

February 12, 2024

Mr. Christopher Aucoin, PhD  
NYSDEC, Division of Environmental Remediation  
Division of Environmental Remediation  
625 Broadway  
Albany, New York 12233-7015

Via email: Christopher.Aucoin@dec.ny.gov

Re: Progress Report: January 2024  
Frost Street Sites: Site ID Nos. 1-30043 I, L, M  
New Cassel Industrial Area, Westbury, New York

Dear Mr. Aucoin,

EnSafe Inc. is pleased to submit this Progress Report for the Frost Street Sites (Site ID Nos. 1-30043 I, L, M) for operation, maintenance, and monitoring (OM&M) activities completed in January 2024 for the onsite air sparge/soil vapor extraction (AS/SVE) and groundwater extraction systems.

### **Air Sparge/Soil Vapor Extraction System – Operable Unit 1**

- AS/SVE system operations continued this month, per the OM&M Manual. During periodic visits, system parameters were logged on dedicated forms (Appendix A). During the month of January, no alarm calls were received.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on January 23 using Summa canisters. These samples were obtained by EnviroTrac, submitted to Con-Test (Pace Analytical Laboratories), and analyzed by Method TO-15. Results are included in Appendix B.
  - Photoionization detector readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [23,140 µg/m<sup>3</sup>]) continue to indicate significant mass extraction.
  - Effluent concentrations are below the carbon exchange indicator concentrations as shown below.

| Frost Street Sites<br>Effluent Compliance |                                                          |                                                                                                |                                                                   |
|-------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| System Flow Rate =                        |                                                          | 800 ft <sup>3</sup> /min                                                                       |                                                                   |
| Compound                                  | Annual Mass<br>Emission Limit <sup>1</sup><br>(lbs/year) | Carbon Exchange<br>Required<br>Indicator<br>Concentration<br>(µg/m <sup>3</sup> ) <sup>2</sup> | January 2024<br>Effluent<br>Concentration<br>(µg/m <sup>3</sup> ) |
| Trichloroethene                           | 500                                                      | 19,000                                                                                         | 2.7                                                               |
| Tetrachloroethene                         | 1,000                                                    | 38,000                                                                                         | 6.3                                                               |
| Vinyl Chloride                            | 100                                                      | 3,800                                                                                          | ND                                                                |
| Cis-1,2-Dichloroethene <sup>3</sup>       | 100                                                      | 3,800                                                                                          | ND                                                                |

**Notes:**

ft/min cubic feet per minute

lbs/year pounds per year

µg/m<sup>3</sup> micrograms per cubic meter

1 Source of Mass Emission Limit: Part 212-2.2 Table 2 — High Toxicity Air Contaminant List

2 These limits were calculated based on Frost Street-specific system operations (i.e., flow rate) in order to remain below the annual HTAC emissions listed in Part 212-2.2 Table 2. Remaining below these concentrations ensures that annual emissions will not exceed the limit which demonstrates compliance with Part 212 without having to perform compound-specific analyses.

3 Cis-1,2-dichloroethene is not a listed HTAC, so the default is 100 lbs/year.

- System condensate water was discharged from the holding tank to the sewer via the onsite connection (January 31 – 550 gallons). Water is treated via activate carbon adsorption prior to discharge and concentrations did not exceed applicable limits (1 part per million total volatile organic compounds), as shown in Appendix C.

**Groundwater Extraction System – Operable Unit 2**

The pumps in EX-1A, EX-1B, EX-1C, and EX-1D operated near design flow rates (30, 30, 48, and 48 gallons per minute, respectively) for all of January except for January 19 at 7:00 AM through 4:45 PM due to an alarm. To date, over 419 million gallons of groundwater have been removed by this system.

If you have any questions or require additional information, please do not hesitate to contact me at 860-665-1140 or [astark@ensafe.com](mailto:astark@ensafe.com).

Sincerely,

EnSafe, Inc., by



Alexandra Stark, P.E.

## Attachments

|         |                              |                                                      |
|---------|------------------------------|------------------------------------------------------|
| Copies: | A. Tamuno, Esq., NYSDEC      | <i>Via email to amtamuno@gw.dec.state.ny.us</i>      |
|         | C. Bethoney, NYSDOH          | <i>Via email to charlotte.bethoney@health.ny.gov</i> |
|         | S. Bogardus, NYSDOH          | <i>Via email to sara.bogardus@health.ny.gov</i>      |
|         | R. Putnam, NCDOH             | <i>Via email to rputnam@nassaucountyny.gov</i>       |
|         | J. Vazquez, U.S. EPA         | <i>Via email to vazquez.julio@epa.gov</i>            |
|         | T. Pupilla, Sanders Equities | <i>Via email to tpupilla@sandersequities.com</i>     |
|         | J. Privitera, Esq., WOH      | <i>Via email to jprivitera@woh.com</i>               |
|         | T. Ruane, WOH                | <i>Via email to truane@woh.com</i>                   |
|         | P. Coop, EnSafe              | <i>Via email to pcoop@ensafe.com</i>                 |
|         | J. Wilkinson, Envirotrac     | <i>Via email to jamesw@envirotrac.com</i>            |

**Appendix A**  
**AS/SVE System Operation and Maintenance Logs**

**Operation & Maintenance Data Sheet**

Ensafe-Frost Street  
101 Frost Street  
Westbury, NY

**EnviroTrac Environmental Services**

5 Old Dock Road, Yaphank, NY 11980  
(631)924-3001, Fax (631)924-5001

Date: 19-Jan  
Weather / Temp: Cloudy / 30 DEG  
Technician / Operator: JW

Arrival Time: 12:30  
Departure Time: 13:30

| System Status                             |          |           |                    |     |                                                  |          |           |           |     |
|-------------------------------------------|----------|-----------|--------------------|-----|--------------------------------------------------|----------|-----------|-----------|-----|
|                                           | Arrival  |           | Departure          |     |                                                  | Arrival  |           | Departure |     |
| SVE Blower 1 (ON/OFF)                     | OFF      |           | ON                 |     | AS Compressor 1 (ON/OFF)                         | OFF      |           | ON        |     |
| SVE Blower 2 (ON/OFF)                     | ON       |           | OFF                |     | AS Compressor 2 (ON/OFF)                         | ON       |           | ON        |     |
|                                           |          |           |                    |     | Air Cooler (ON/OFF)                              | ON       |           | ON        |     |
| Soil Vapor Extraction System              |          |           |                    |     |                                                  |          |           |           |     |
| Blower Air Velocity/Flow Rate (fpm)/(cfm) | 4000     |           | 785                |     | Blower 1 Total Runtime (hrs)                     | 72,868.4 |           |           |     |
| Blower 1 Fresh Air Valve Open (%)         | 0        |           |                    |     | Blower 2 Total Runtime (hrs)                     | 72,641.6 |           |           |     |
| Blower 2 Fresh Air Valve Open (%)         | 0        |           |                    |     | Blower 1 Air Filter Differential Pressure ("H2O) | 0        |           |           |     |
| Blower Inlet Vacuum ("H2O)                | 51       |           |                    |     | Blower 2 Air Filter Differential Pressure ("H2O) | 0        |           |           |     |
| Moisture Separator Vacuum ("Hg)           | 3.5      |           |                    |     | VGAC-1 Influent PID (ppm)                        | 3        |           |           |     |
| VGAC-1 Influent Vacuum ("H2O)             | 46       |           |                    |     | VGAC-1 Effluent PID (ppm)                        | 0        |           |           |     |
| VGAC-1 Effluent Vacuum ("H2O)             | 52       |           |                    |     | VGAC-2 Influent PID (ppm)                        | 3        |           |           |     |
| VGAC-2 Influent Vacuum ("H2O)             | 48       |           |                    |     | VGAC-2 Effluent PID (ppm)                        | 0        |           |           |     |
| VGAC-2 Effluent Vacuum ("H2O)             | 50       |           |                    |     | VGAC-3 Influent PID (ppm)                        | 0        |           |           |     |
| VGAC-3 Influent Pressure ("H2O)           | 6        |           |                    |     | VGAC-3 Effluent PID (ppm)                        | 0        |           |           |     |
| VGAC-3 Effluent Pressure ("H2O)           | 2        |           |                    |     | Blower Effluent PID (ppm)                        | 0        |           |           |     |
| VGAC-3 Influent Temp (DegF)               | 120      |           |                    |     | Transfer Pump Total Runtime (hrs)                | 25,210.0 |           |           |     |
| Blower Effluent Pressure ("H2O)           | 15       |           |                    |     | Condensate Storage Tank Level (gal)              | 300      |           |           |     |
| SVE Manifold Legs - Vacuum/Flow Rate/PID  |          |           |                    |     |                                                  |          |           |           |     |
|                                           | Vacuum   | Velocity  | Flow Rate          | PID |                                                  | Vacuum   | Velocity  | Flow Rate | PID |
| SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)            | 50       | 7000      | 153                | 3   | SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)                   | 44       | 4000      | 87        | 0   |
| SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)            | 50       | 4000      | 87                 | 2   | SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)                   | 52       | 2900      | 63        | 0   |
| SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)            | 44       | 5200      | 113                | 0   | SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)                  | 49       | 6200      | 135       | 5   |
| SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)           | 42       | 4000      | 87                 | 0   | SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)                   | 44       | 2800      | 61        | 0   |
| Air Sparge System                         |          |           |                    |     |                                                  |          |           |           |     |
| Compressor 1 Pressure (psi)               | 16       |           |                    |     | Compressor 2 Pressure (psi)                      | Off      |           |           |     |
| Compressor 1 Runtime (hrs)                | 23,498.2 |           |                    |     | Compressor 2 Temperature (degF)                  | Off      |           |           |     |
| Air Cooler Inlet Temperature (degF)       | 124      |           |                    |     | Compressor 2 Regulator Pressure (psi)            | Off      |           |           |     |
| Air Cooler Outlet Temperature (degF)      | 52       |           |                    |     | Compressor 2 Runtime (hrs)                       | 40,734   |           |           |     |
| Air Cooler Inlet Pressure (psi)           | 18.5     |           |                    |     | AS Manifold Temperature (degF)                   | 45       |           |           |     |
| Air Cooler Outlet Pressure (psi)          | 17       |           |                    |     | AS Manifold Pressure                             | 17       |           |           |     |
| AS Manifold Legs - Pressure/Flow Rate     |          |           |                    |     |                                                  |          |           |           |     |
|                                           | Pressure | Flow Rate |                    |     |                                                  | Pressure | Flow Rate |           |     |
| AS-1 (psi)/(cfm)                          | 18       | 20        | AS-11 (psi)/(cfm)  |     | 15                                               | 10       |           |           |     |
| AS-2 (psi)/(cfm)                          | 17       | 10        | AS-12B (psi)/(cfm) |     | 17                                               | 10       |           |           |     |
| AS-3 (psi)/(cfm)                          | 13       | 15        | AS-13B (psi)/(cfm) |     | 15                                               | 10       |           |           |     |
| AS-4 (psi)/(cfm)                          | 16       | 10        | AS-14 (psi)/(cfm)  |     | 15                                               | 9        |           |           |     |
| AS-5 (psi)/(cfm)                          | 17       | 8         | AS-15 (psi)/(cfm)  |     | 16                                               | 10       |           |           |     |
| AS-6 (psi)/(cfm)                          | 18       | 10        | AS-16B (psi)/(cfm) |     | 15                                               | 11       |           |           |     |
| AS-7 (psi)/(cfm)                          | 18       | 8         | AS-17 (psi)/(cfm)  |     | 16                                               | 10       |           |           |     |
| AS-8 (psi)/(cfm)                          | 16       | 14        | AS-18 (psi)/(cfm)  |     | 15                                               | 10       |           |           |     |
| AS-9 (psi)/(cfm)                          | 17       | 10        | AS-19 (psi)/(cfm)  |     | 16                                               | 5        |           |           |     |
| AS-10B (psi)/(cfm)                        | 15       | 10        |                    |     |                                                  |          |           |           |     |

Notes, Comments & Observations:

Collected monthly air sample.

**Inspection, Maintenance, Lubrication Schedule**  
**Ensafe-Frost Street**  
**101 Frost Street**  
**Westbury, NY**

**EnviroTrac Environmental Services**  
**5 Old Dock Road, Yaphank, NY 11980**  
**(631)924-3001, Fax (631)924-5001**

**Date:** 19-Jan  
**Weather / Temp:** Cloudy / 30 DEG  
**Technician / Operator:** JW

**Arrival Time:** 12:30  
**Departure Time:** 13:30

| Maintenance Item                    | Perform     | Completed (yes/no) | Comments                |
|-------------------------------------|-------------|--------------------|-------------------------|
| <b>SVE Blower B-1</b>               |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Lubricate                          | As Required | N                  | Oil changed on 10/27/23 |
| -Inspect Air Filter                 | Weekly      | Y                  |                         |
| -Amp Draw                           | Quarterly   | N                  |                         |
| -Inspect Belts                      | Weekly      | Y                  |                         |
| <b>SVE Blower B-2</b>               |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Lubricate                          | As Required | N                  | Oil changed on 10/27/23 |
| -Inspect Air Filter                 | Weekly      | Y                  |                         |
| -Amp Draw                           | Quarterly   | N                  |                         |
| -Inspect Belts                      | Weekly      | Y                  |                         |
| <b>SVE Piping</b>                   |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Valves                             | Weekly      | Y                  |                         |
| <b>Phase Separator/Storage Tank</b> |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Check Level Switches               | As Required | Y                  |                         |
| -Inspect water storage tank         | Weekly      | Y                  |                         |
| -Pump water to sewer drain          | As Required | Y                  |                         |
| <b>AS Compressor 1</b>              |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Lubricate                          | As Required | N                  | Oil changed on 7/31/23  |
| -Inspect Filters                    | Weekly      | Y                  |                         |
| -Amp Draw                           | Quarterly   | N                  |                         |
| <b>AS Compressor 2</b>              |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Lubricate                          | As Required | N                  |                         |
| -Inspect Filters                    | Weekly      | N                  |                         |
| -Amp Draw                           | Quarterly   | N                  |                         |
| <b>Air Cooler</b>                   |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Inspect Filters                    | Weekly      | Y                  |                         |
| -Amp Draw                           | Quarterly   | N                  |                         |
| <b>AS Piping</b>                    |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Valves                             | Weekly      | Y                  |                         |
| -Drain Filters/Collectors           | Weekly      | Y                  |                         |
| -Drain Pressure Tank                | Weekly      | Y                  |                         |

**Operation & Maintenance Data Sheet**

Ensafe-Frost Street  
101 Frost Street  
Westbury, NY

**EnviroTrac Environmental Services**

5 Old Dock Road, Yaphank, NY 11980  
(631)924-3001, Fax (631)924-5001

Date: 31-Jan  
Weather / Temp: Cloudy / 37 DEG  
Technician / Operator: JW

Arrival Time: 9:00  
Departure Time: 12:00

| System Status                             |          |           |           |     |                                                  |          |           |           |     |
|-------------------------------------------|----------|-----------|-----------|-----|--------------------------------------------------|----------|-----------|-----------|-----|
|                                           | Arrival  |           | Departure |     |                                                  | Arrival  |           | Departure |     |
| SVE Blower 1 (ON/OFF)                     | ON       |           | ON        |     | AS Compressor 1 (ON/OFF)                         | OFF      |           | ON        |     |
| SVE Blower 2 (ON/OFF)                     | OFF      |           | OFF       |     | AS Compressor 2 (ON/OFF)                         | ON       |           | ON        |     |
|                                           |          |           |           |     | Air Cooler (ON/OFF)                              | ON       |           | ON        |     |
| Soil Vapor Extraction System              |          |           |           |     |                                                  |          |           |           |     |
| Blower Air Velocity/Flow Rate (fpm)/(cfm) | 4000     |           | 785       |     | Blower 1 Total Runtime (hrs)                     | 73,092.4 |           |           |     |
| Blower 1 Fresh Air Valve Open (%)         | 0        |           |           |     | Blower 2 Total Runtime (hrs)                     | 72,618.6 |           |           |     |
| Blower 2 Fresh Air Valve Open (%)         | 0        |           |           |     | Blower 1 Air Filter Differential Pressure ("H2O) | 0        |           |           |     |
| Blower Inlet Vacuum ("H2O)                | 50       |           |           |     | Blower 2 Air Filter Differential Pressure ("H2O) | 0        |           |           |     |
| Moisture Separator Vacuum ("Hg)           | 3.5      |           |           |     | VGAC-1 Influent PID (ppm)                        | 4        |           |           |     |
| VGAC-1 Influent Vacuum ("H2O)             | 45       |           |           |     | VGAC-1 Effluent PID (ppm)                        | 0        |           |           |     |
| VGAC-1 Effluent Vacuum ("H2O)             | 52       |           |           |     | VGAC-2 Influent PID (ppm)                        | 4        |           |           |     |
| VGAC-2 Influent Vacuum ("H2O)             | 48       |           |           |     | VGAC-2 Effluent PID (ppm)                        | 0        |           |           |     |
| VGAC-2 Effluent Vacuum ("H2O)             | 50       |           |           |     | VGAC-3 Influent PID (ppm)                        | 0        |           |           |     |
| VGAC-3 Influent Pressure ("H2O)           | 6        |           |           |     | VGAC-3 Effluent PID (ppm)                        | 0        |           |           |     |
| VGAC-3 Effluent Pressure ("H2O)           | 2        |           |           |     | Blower Effluent PID (ppm)                        | 0        |           |           |     |
| VGAC-3 Influent Temp (DegF)               | 124      |           |           |     | Transfer Pump Total Runtime (hrs)                | 25,210.4 |           |           |     |
| Blower Effluent Pressure ("H2O)           | 15       |           |           |     | Condensate Storage Tank Level (gal)              | 550 → 0  |           |           |     |
| SVE Manifold Legs - Vacuum/Flow Rate/PID  |          |           |           |     |                                                  |          |           |           |     |
|                                           | Vacuum   | Velocity  | Flow Rate | PID |                                                  | Vacuum   | Velocity  | Flow Rate | PID |
| SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)            | 50       | 7000      | 153       |     | SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)                   | 45       | 4000      | 87        |     |
| SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)            | 50       | 4000      | 87        |     | SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)                   | 52       | 2900      | 63        |     |
| SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)            | 45       | 5000      | 109       |     | SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)                  | 50       | 6000      | 131       |     |
| SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)           | 40       | 4000      | 87        |     | SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)                   | 44       | 3000      | 65        |     |
| Air Sparge System                         |          |           |           |     |                                                  |          |           |           |     |
| Compressor 1 Pressure (psi)               | 15       |           |           |     | Compressor 2 Pressure (psi)                      | Off      |           |           |     |
| Compressor 1 Runtime (hrs)                | 23,784.9 |           |           |     | Compressor 2 Temperature (degF)                  | Off      |           |           |     |
| Air Cooler Inlet Temperature (degF)       | 125      |           |           |     | Compressor 2 Regulator Pressure (psi)            | Off      |           |           |     |
| Air Cooler Outlet Temperature (degF)      | 55       |           |           |     | Compressor 2 Runtime (hrs)                       | 40,734   |           |           |     |
| Air Cooler Inlet Pressure (psi)           | 18.5     |           |           |     | AS Manifold Temperature (degF)                   | 50       |           |           |     |
| Air Cooler Outlet Pressure (psi)          | 17       |           |           |     | AS Manifold Pressure                             | 16       |           |           |     |
| AS Manifold Legs - Pressure/Flow Rate     |          |           |           |     |                                                  |          |           |           |     |
|                                           | Pressure | Flow Rate |           |     |                                                  | Pressure | Flow Rate |           |     |
| AS-1 (psi)/(cfm)                          | 18       | 15        |           |     | AS-11 (psi)/(cfm)                                | 15       | 10        |           |     |
| AS-2 (psi)/(cfm)                          | 18       | 10        |           |     | AS-12B (psi)/(cfm)                               | 17       | 10        |           |     |
| AS-3 (psi)/(cfm)                          | 15       | 15        |           |     | AS-13B (psi)/(cfm)                               | 15       | 10        |           |     |
| AS-4 (psi)/(cfm)                          | 15       | 10        |           |     | AS-14 (psi)/(cfm)                                | 15       | 10        |           |     |
| AS-5 (psi)/(cfm)                          | 15       | 10        |           |     | AS-15 (psi)/(cfm)                                | 16       | 10        |           |     |
| AS-6 (psi)/(cfm)                          | 18       | 10        |           |     | AS-16B (psi)/(cfm)                               | 15       | 11        |           |     |
| AS-7 (psi)/(cfm)                          | 18       | 10        |           |     | AS-17 (psi)/(cfm)                                | 15       | 10        |           |     |
| AS-8 (psi)/(cfm)                          | 15       | 15        |           |     | AS-18 (psi)/(cfm)                                | 15       | 10        |           |     |
| AS-9 (psi)/(cfm)                          | 15       | 10        |           |     | AS-19 (psi)/(cfm)                                | 15       | 5         |           |     |
| AS-10B (psi)/(cfm)                        | 15       | 10        |           |     |                                                  |          |           |           |     |

**Notes, Comments & Observations:**

Collected discharge water sample.

Performed semi-annual claw pump maintenance.

**Inspection, Maintenance, Lubrication Schedule**  
**Ensafe-Frost Street**  
**101 Frost Street**  
**Westbury, NY**

**EnviroTrac Environmental Services**  
**5 Old Dock Road, Yaphank, NY 11980**  
**(631)924-3001, Fax (631)924-5001**

**Date:** 31-Jan  
**Weather / Temp:** Cloudy / 37 DEG  
**Technician / Operator:** JW

**Arrival Time:** 9:00  
**Departure Time:** 12:00

| Maintenance Item                    | Perform     | Completed (yes/no) | Comments                |
|-------------------------------------|-------------|--------------------|-------------------------|
| <b>SVE Blower B-1</b>               |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Lubricate                          | As Required | N                  | Oil changed on 10/27/23 |
| -Inspect Air Filter                 | Weekly      | Y                  |                         |
| -Amp Draw                           | Quarterly   | N                  |                         |
| -Inspect Belts                      | Weekly      | Y                  |                         |
| <b>SVE Blower B-2</b>               |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Lubricate                          | As Required | N                  | Oil changed on 10/27/23 |
| -Inspect Air Filter                 | Weekly      | Y                  |                         |
| -Amp Draw                           | Quarterly   | N                  |                         |
| -Inspect Belts                      | Weekly      | Y                  |                         |
| <b>SVE Piping</b>                   |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Valves                             | Weekly      | Y                  |                         |
| <b>Phase Separator/Storage Tank</b> |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Check Level Switches               | As Required | Y                  |                         |
| -Inspect water storage tank         | Weekly      | Y                  |                         |
| -Pump water to sewer drain          | As Required | Y                  |                         |
| <b>AS Compressor 1</b>              |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Lubricate                          | As Required | Y                  | Oil changed on 1/31/24  |
| -Inspect Filters                    | Weekly      | Y                  |                         |
| -Amp Draw                           | Quarterly   | N                  |                         |
| <b>AS Compressor 2</b>              |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Lubricate                          | As Required | N                  |                         |
| -Inspect Filters                    | Weekly      | N                  |                         |
| -Amp Draw                           | Quarterly   | N                  |                         |
| <b>Air Cooler</b>                   |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Inspect Filters                    | Weekly      | Y                  |                         |
| -Amp Draw                           | Quarterly   | N                  |                         |
| <b>AS Piping</b>                    |             |                    |                         |
| -Inspect                            | Weekly      | Y                  |                         |
| -Valves                             | Weekly      | Y                  |                         |
| -Drain Filters/Collectors           | Weekly      | Y                  |                         |
| -Drain Pressure Tank                | Weekly      | Y                  |                         |



**Appendix B**  
**AS/SVE System Influent/Effluent Sampling**  
**Laboratory Analytical Results**

February 6, 2024

James Wilkinson  
EnviroTrac Ltd - Yaphank, NY  
5 Old Dock Road  
Yaphank, NY 11980

Project Location: Westbury, NY  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 24A2045

Enclosed are results of analyses for samples as received by the laboratory on January 23, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano  
Project Manager

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| Chain of Custody/Sample Receipt      | 25 |

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332EnviroTrac Ltd - Yaphank, NY  
5 Old Dock Road  
Yaphank, NY 11980  
ATTN: James Wilkinson

REPORT DATE: 2/6/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

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WORK ORDER NUMBER: 24A2045

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Westbury, NY

| FIELD SAMPLE # | LAB ID:    | MATRIX | SAMPLE DESCRIPTION | TEST           | SUB LAB |
|----------------|------------|--------|--------------------|----------------|---------|
| SVE Effluent   | 24A2045-01 | Air    |                    | -<br>EPA TO-15 |         |
| SVE Influent   | 24A2045-02 | Air    |                    | -<br>EPA TO-15 |         |

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**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**EPA TO-15****Qualifications:**

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**L-05**

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

**Analyte & Samples(s) Qualified:****Ethanol**

B364573-BS1

**Naphthalene**B364573-BS1

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**RL-11**

Elevated reporting limit due to high concentration of target compounds.

**Analyte & Samples(s) Qualified:**24A2045-02[SVE Influent]

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**V-06**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

**Analyte & Samples(s) Qualified:****1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)**

B364573-BS1, S099773-CCV1

**Dichlorodifluoromethane (Freon 12)**24A2045-01[SVE Effluent], B364573-BS1, S099773-CCV1

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**V-20**

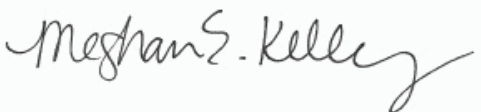
Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**Analyte & Samples(s) Qualified:****Vinyl Acetate**

B364573-BS1, S099773-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley  
Reporting Specialist

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**ANALYTICAL RESULTS**

Project Location: Westbury, NY  
Date Received: 1/23/2024  
**Field Sample #: SVE Effluent**  
**Sample ID: 24A2045-01**  
Sample Matrix: Air  
Sampled: 1/19/2024 12:30

Sample Description/Location:  
Sub Description/Location:  
Canister ID: 2723  
Canister Size: 3 liter  
Flow Controller ID: 4574  
Sample Type: 15 min

**Work Order: 24A2045**  
Initial Vacuum(in Hg): -30  
Final Vacuum(in Hg): -7  
Receipt Vacuum(in Hg): -4.3  
Flow Controller Type: Fixed-Orifice  
Flow Controller Calibration  
RPD Pre and Post-Sampling:

| EPA TO-15                                          |         |      |           |         |      |          |              |  |         |
|----------------------------------------------------|---------|------|-----------|---------|------|----------|--------------|--|---------|
| Analyte                                            | ppbv    |      | Flag/Qual | ug/m3   |      | Dilution | Date/Time    |  | Analyst |
|                                                    | Results | RL   |           | Results | RL   |          | Analyzed     |  |         |
| Acetone                                            | ND      | 4.0  |           | ND      | 9.5  | 2        | 1/26/24 3:54 |  | TPH     |
| Benzene                                            | 0.30    | 0.10 |           | 0.95    | 0.32 | 2        | 1/26/24 3:54 |  | TPH     |
| Benzyl chloride                                    | ND      | 0.10 |           | ND      | 0.52 | 2        | 1/26/24 3:54 |  | TPH     |
| Bromodichloromethane                               | ND      | 0.10 |           | ND      | 0.67 | 2        | 1/26/24 3:54 |  | TPH     |
| Bromoform                                          | ND      | 0.10 |           | ND      | 1.0  | 2        | 1/26/24 3:54 |  | TPH     |
| Bromomethane                                       | ND      | 0.10 |           | ND      | 0.39 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,3-Butadiene                                      | ND      | 0.10 |           | ND      | 0.22 | 2        | 1/26/24 3:54 |  | TPH     |
| 2-Butanone (MEK)                                   | ND      | 4.0  |           | ND      | 12   | 2        | 1/26/24 3:54 |  | TPH     |
| Carbon Disulfide                                   | ND      | 1.0  |           | ND      | 3.1  | 2        | 1/26/24 3:54 |  | TPH     |
| Carbon Tetrachloride                               | ND      | 0.10 |           | ND      | 0.63 | 2        | 1/26/24 3:54 |  | TPH     |
| Chlorobenzene                                      | ND      | 0.10 |           | ND      | 0.46 | 2        | 1/26/24 3:54 |  | TPH     |
| Chloroethane                                       | ND      | 0.10 |           | ND      | 0.26 | 2        | 1/26/24 3:54 |  | TPH     |
| Chloroform                                         | ND      | 0.10 |           | ND      | 0.49 | 2        | 1/26/24 3:54 |  | TPH     |
| Chloromethane                                      | 0.33    | 0.20 |           | 0.69    | 0.41 | 2        | 1/26/24 3:54 |  | TPH     |
| Cyclohexane                                        | ND      | 0.10 |           | ND      | 0.34 | 2        | 1/26/24 3:54 |  | TPH     |
| Dibromochloromethane                               | ND      | 0.10 |           | ND      | 0.85 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,2-Dibromoethane (EDB)                            | ND      | 0.10 |           | ND      | 0.77 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,2-Dichlorobenzene                                | ND      | 0.10 |           | ND      | 0.60 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,3-Dichlorobenzene                                | ND      | 0.10 |           | ND      | 0.60 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,4-Dichlorobenzene                                | ND      | 0.10 |           | ND      | 0.60 | 2        | 1/26/24 3:54 |  | TPH     |
| Dichlorodifluoromethane (Freon 12)                 | 0.70    | 0.10 | V-06      | 3.4     | 0.49 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,1-Dichloroethane                                 | ND      | 0.10 |           | ND      | 0.40 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,2-Dichloroethane                                 | ND      | 0.10 |           | ND      | 0.40 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,1-Dichloroethylene                               | ND      | 0.10 |           | ND      | 0.40 | 2        | 1/26/24 3:54 |  | TPH     |
| cis-1,2-Dichloroethylene                           | ND      | 0.10 |           | ND      | 0.40 | 2        | 1/26/24 3:54 |  | TPH     |
| trans-1,2-Dichloroethylene                         | ND      | 0.10 |           | ND      | 0.40 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,2-Dichloropropane                                | ND      | 0.10 |           | ND      | 0.46 | 2        | 1/26/24 3:54 |  | TPH     |
| cis-1,3-Dichloropropene                            | ND      | 0.10 |           | ND      | 0.45 | 2        | 1/26/24 3:54 |  | TPH     |
| trans-1,3-Dichloropropene                          | ND      | 0.10 |           | ND      | 0.45 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | ND      | 0.10 |           | ND      | 0.70 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,4-Dioxane                                        | ND      | 1.0  |           | ND      | 3.6  | 2        | 1/26/24 3:54 |  | TPH     |
| Ethanol                                            | ND      | 4.0  |           | ND      | 7.5  | 2        | 1/26/24 3:54 |  | TPH     |
| Ethyl Acetate                                      | ND      | 1.0  |           | ND      | 3.6  | 2        | 1/26/24 3:54 |  | TPH     |
| Ethylbenzene                                       | ND      | 0.10 |           | ND      | 0.43 | 2        | 1/26/24 3:54 |  | TPH     |
| 4-Ethyltoluene                                     | ND      | 0.10 |           | ND      | 0.49 | 2        | 1/26/24 3:54 |  | TPH     |
| Heptane                                            | ND      | 0.10 |           | ND      | 0.41 | 2        | 1/26/24 3:54 |  | TPH     |
| Hexachlorobutadiene                                | ND      | 0.10 |           | ND      | 1.1  | 2        | 1/26/24 3:54 |  | TPH     |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**ANALYTICAL RESULTS**

Project Location: Westbury, NY  
 Date Received: 1/23/2024  
**Field Sample #: SVE Effluent**  
**Sample ID: 24A2045-01**  
 Sample Matrix: Air  
 Sampled: 1/19/2024 12:30

Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2723  
 Canister Size: 3 liter  
 Flow Controller ID: 4574  
 Sample Type: 15 min

**Work Order: 24A2045**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -7  
 Receipt Vacuum(in Hg): -4.3  
 Flow Controller Type: Fixed-Orifice  
 Flow Controller Calibration  
 RPD Pre and Post-Sampling:

| EPA TO-15                                         |         |      |           |         |      |          |              |  |         |
|---------------------------------------------------|---------|------|-----------|---------|------|----------|--------------|--|---------|
| Analyte                                           | ppbv    |      | Flag/Qual | ug/m3   |      | Dilution | Date/Time    |  | Analyst |
|                                                   | Results | RL   |           | Results | RL   |          | Analyzed     |  |         |
| Hexane                                            | ND      | 4.0  |           | ND      | 14   | 2        | 1/26/24 3:54 |  | TPH     |
| 2-Hexanone (MBK)                                  | ND      | 0.10 |           | ND      | 0.41 | 2        | 1/26/24 3:54 |  | TPH     |
| Isopropanol                                       | ND      | 4.0  |           | ND      | 9.8  | 2        | 1/26/24 3:54 |  | TPH     |
| Methyl tert-Butyl Ether (MTBE)                    | ND      | 0.10 |           | ND      | 0.36 | 2        | 1/26/24 3:54 |  | TPH     |
| Methylene Chloride                                | ND      | 1.0  |           | ND      | 3.5  | 2        | 1/26/24 3:54 |  | TPH     |
| 4-Methyl-2-pentanone (MIBK)                       | ND      | 0.10 |           | ND      | 0.41 | 2        | 1/26/24 3:54 |  | TPH     |
| Naphthalene                                       | ND      | 0.10 |           | ND      | 0.52 | 2        | 1/26/24 3:54 |  | TPH     |
| Propene                                           | ND      | 4.0  |           | ND      | 6.9  | 2        | 1/26/24 3:54 |  | TPH     |
| Styrene                                           | ND      | 0.10 |           | ND      | 0.43 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,1,2,2-Tetrachloroethane                         | ND      | 0.10 |           | ND      | 0.69 | 2        | 1/26/24 3:54 |  | TPH     |
| Tetrachloroethylene                               | 0.93    | 0.10 |           | 6.3     | 0.68 | 2        | 1/26/24 3:54 |  | TPH     |
| Tetrahydrofuran                                   | ND      | 1.0  |           | ND      | 2.9  | 2        | 1/26/24 3:54 |  | TPH     |
| Toluene                                           | 0.47    | 0.10 |           | 1.8     | 0.38 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,2,4-Trichlorobenzene                            | ND      | 0.10 |           | ND      | 0.74 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,1,1-Trichloroethane                             | ND      | 0.10 |           | ND      | 0.55 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,1,2-Trichloroethane                             | ND      | 0.10 |           | ND      | 0.55 | 2        | 1/26/24 3:54 |  | TPH     |
| Trichloroethylene                                 | 0.50    | 0.10 |           | 2.7     | 0.54 | 2        | 1/26/24 3:54 |  | TPH     |
| Trichlorofluoromethane (Freon 11)                 | ND      | 0.40 |           | ND      | 2.2  | 2        | 1/26/24 3:54 |  | TPH     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND      | 0.40 |           | ND      | 3.1  | 2        | 1/26/24 3:54 |  | TPH     |
| 1,2,4-Trimethylbenzene                            | ND      | 0.10 |           | ND      | 0.49 | 2        | 1/26/24 3:54 |  | TPH     |
| 1,3,5-Trimethylbenzene                            | ND      | 0.10 |           | ND      | 0.49 | 2        | 1/26/24 3:54 |  | TPH     |
| Vinyl Acetate                                     | ND      | 2.0  |           | ND      | 7.0  | 2        | 1/26/24 3:54 |  | TPH     |
| Vinyl Chloride                                    | ND      | 0.10 |           | ND      | 0.26 | 2        | 1/26/24 3:54 |  | TPH     |
| m&p-Xylene                                        | ND      | 0.20 |           | ND      | 0.87 | 2        | 1/26/24 3:54 |  | TPH     |
| o-Xylene                                          | ND      | 0.10 |           | ND      | 0.43 | 2        | 1/26/24 3:54 |  | TPH     |

| Surrogates               | % Recovery | % REC Limits |         |      |
|--------------------------|------------|--------------|---------|------|
| 4-Bromofluorobenzene (1) | 91.9       | 70-130       | 1/26/24 | 3:54 |

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## ANALYTICAL RESULTS

 Project Location: Westbury, NY  
 Date Received: 1/23/2024  
**Field Sample #: SVE Influent**  
**Sample ID: 24A2045-02**  
 Sample Matrix: Air  
 Sampled: 1/19/2024 12:35

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2577  
 Canister Size: 3 liter  
 Flow Controller ID: 4573  
 Sample Type: 15 min

**Work Order: 24A2045**  
 Initial Vacuum(in Hg): -28  
 Final Vacuum(in Hg): -6  
 Receipt Vacuum(in Hg): -5.6  
 Flow Controller Type: Fixed-Orifice  
 Flow Controller Calibration  
 RPD Pre and Post-Sampling:

| EPA TO-15                                          |         |     |           |         |     |          |           |      |         |
|----------------------------------------------------|---------|-----|-----------|---------|-----|----------|-----------|------|---------|
| Sample Flags: RL-11                                |         |     |           |         |     |          |           |      |         |
| Analyte                                            | ppbv    |     | Flag/Qual | ug/m3   |     | Dilution | Date/Time |      | Analyst |
|                                                    | Results | RL  |           | Results | RL  |          | Analyzed  |      |         |
| Acetone                                            | ND      | 60  |           | ND      | 140 | 30       | 1/31/24   | 0:47 | KMC     |
| Benzene                                            | ND      | 1.5 |           | ND      | 4.8 | 30       | 1/31/24   | 0:47 | KMC     |
| Benzyl chloride                                    | ND      | 1.5 |           | ND      | 7.8 | 30       | 1/31/24   | 0:47 | KMC     |
| Bromodichloromethane                               | ND      | 1.5 |           | ND      | 10  | 30       | 1/31/24   | 0:47 | KMC     |
| Bromoform                                          | ND      | 1.5 |           | ND      | 16  | 30       | 1/31/24   | 0:47 | KMC     |
| Bromomethane                                       | ND      | 1.5 |           | ND      | 5.8 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,3-Butadiene                                      | ND      | 1.5 |           | ND      | 3.3 | 30       | 1/31/24   | 0:47 | KMC     |
| 2-Butanone (MEK)                                   | ND      | 60  |           | ND      | 180 | 30       | 1/31/24   | 0:47 | KMC     |
| Carbon Disulfide                                   | ND      | 15  |           | ND      | 47  | 30       | 1/31/24   | 0:47 | KMC     |
| Carbon Tetrachloride                               | ND      | 1.5 |           | ND      | 9.4 | 30       | 1/31/24   | 0:47 | KMC     |
| Chlorobenzene                                      | ND      | 1.5 |           | ND      | 6.9 | 30       | 1/31/24   | 0:47 | KMC     |
| Chloroethane                                       | ND      | 1.5 |           | ND      | 4.0 | 30       | 1/31/24   | 0:47 | KMC     |
| Chloroform                                         | ND      | 1.5 |           | ND      | 7.3 | 30       | 1/31/24   | 0:47 | KMC     |
| Chloromethane                                      | ND      | 3.0 |           | ND      | 6.2 | 30       | 1/31/24   | 0:47 | KMC     |
| Cyclohexane                                        | ND      | 1.5 |           | ND      | 5.2 | 30       | 1/31/24   | 0:47 | KMC     |
| Dibromochloromethane                               | ND      | 1.5 |           | ND      | 13  | 30       | 1/31/24   | 0:47 | KMC     |
| 1,2-Dibromoethane (EDB)                            | ND      | 1.5 |           | ND      | 12  | 30       | 1/31/24   | 0:47 | KMC     |
| 1,2-Dichlorobenzene                                | ND      | 1.5 |           | ND      | 9.0 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,3-Dichlorobenzene                                | ND      | 1.5 |           | ND      | 9.0 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,4-Dichlorobenzene                                | ND      | 1.5 |           | ND      | 9.0 | 30       | 1/31/24   | 0:47 | KMC     |
| Dichlorodifluoromethane (Freon 12)                 | ND      | 1.5 |           | ND      | 7.4 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,1-Dichloroethane                                 | ND      | 1.5 |           | ND      | 6.1 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,2-Dichloroethane                                 | ND      | 1.5 |           | ND      | 6.1 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,1-Dichloroethylene                               | ND      | 1.5 |           | ND      | 5.9 | 30       | 1/31/24   | 0:47 | KMC     |
| cis-1,2-Dichloroethylene                           | 75      | 1.5 |           | 300     | 5.9 | 30       | 1/31/24   | 0:47 | KMC     |
| trans-1,2-Dichloroethylene                         | ND      | 1.5 |           | ND      | 5.9 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,2-Dichloropropane                                | ND      | 1.5 |           | ND      | 6.9 | 30       | 1/31/24   | 0:47 | KMC     |
| cis-1,3-Dichloropropene                            | ND      | 1.5 |           | ND      | 6.8 | 30       | 1/31/24   | 0:47 | KMC     |
| trans-1,3-Dichloropropene                          | ND      | 1.5 |           | ND      | 6.8 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | ND      | 1.5 |           | ND      | 10  | 30       | 1/31/24   | 0:47 | KMC     |
| 1,4-Dioxane                                        | ND      | 15  |           | ND      | 54  | 30       | 1/31/24   | 0:47 | KMC     |
| Ethanol                                            | ND      | 60  |           | ND      | 110 | 30       | 1/31/24   | 0:47 | KMC     |
| Ethyl Acetate                                      | ND      | 15  |           | ND      | 54  | 30       | 1/31/24   | 0:47 | KMC     |
| Ethylbenzene                                       | ND      | 1.5 |           | ND      | 6.5 | 30       | 1/31/24   | 0:47 | KMC     |
| 4-Ethyltoluene                                     | ND      | 1.5 |           | ND      | 7.4 | 30       | 1/31/24   | 0:47 | KMC     |
| Heptane                                            | ND      | 1.5 |           | ND      | 6.1 | 30       | 1/31/24   | 0:47 | KMC     |
| Hexachlorobutadiene                                | ND      | 1.5 |           | ND      | 16  | 30       | 1/31/24   | 0:47 | KMC     |



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**ANALYTICAL RESULTS**

Project Location: Westbury, NY  
 Date Received: 1/23/2024  
**Field Sample #: SVE Influent**  
**Sample ID: 24A2045-02**  
 Sample Matrix: Air  
 Sampled: 1/19/2024 12:35

Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2577  
 Canister Size: 3 liter  
 Flow Controller ID: 4573  
 Sample Type: 15 min

**Work Order: 24A2045**  
 Initial Vacuum(in Hg): -28  
 Final Vacuum(in Hg): -6  
 Receipt Vacuum(in Hg): -5.6  
 Flow Controller Type: Fixed-Orifice  
 Flow Controller Calibration  
 RPD Pre and Post-Sampling:

| EPA TO-15                                         |         |     |           |         |     |          |           |      |         |
|---------------------------------------------------|---------|-----|-----------|---------|-----|----------|-----------|------|---------|
| Sample Flags: RL-11                               |         |     |           |         |     |          |           |      |         |
| Analyte                                           | ppbv    |     | Flag/Qual | ug/m3   |     | Dilution | Date/Time |      | Analyst |
|                                                   | Results | RL  |           | Results | RL  |          | Analyzed  |      |         |
| Hexane                                            | ND      | 60  |           | ND      | 210 | 30       | 1/31/24   | 0:47 | KMC     |
| 2-Hexanone (MBK)                                  | ND      | 1.5 |           | ND      | 6.1 | 30       | 1/31/24   | 0:47 | KMC     |
| Isopropanol                                       | ND      | 60  |           | ND      | 150 | 30       | 1/31/24   | 0:47 | KMC     |
| Methyl tert-Butyl Ether (MTBE)                    | ND      | 1.5 |           | ND      | 5.4 | 30       | 1/31/24   | 0:47 | KMC     |
| Methylene Chloride                                | ND      | 15  |           | ND      | 52  | 30       | 1/31/24   | 0:47 | KMC     |
| 4-Methyl-2-pentanone (MIBK)                       | ND      | 1.5 |           | ND      | 6.1 | 30       | 1/31/24   | 0:47 | KMC     |
| Naphthalene                                       | ND      | 1.5 |           | ND      | 7.9 | 30       | 1/31/24   | 0:47 | KMC     |
| Propene                                           | ND      | 60  |           | ND      | 100 | 30       | 1/31/24   | 0:47 | KMC     |
| Styrene                                           | ND      | 1.5 |           | ND      | 6.4 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,1,2,2-Tetrachloroethane                         | ND      | 1.5 |           | ND      | 10  | 30       | 1/31/24   | 0:47 | KMC     |
| Tetrachloroethylene                               | 3300    | 7.5 |           | 22000   | 51  | 150      | 1/26/24   | 4:23 | TPH     |
| Tetrahydrofuran                                   | ND      | 15  |           | ND      | 44  | 30       | 1/31/24   | 0:47 | KMC     |
| Toluene                                           | ND      | 1.5 |           | ND      | 5.7 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,2,4-Trichlorobenzene                            | ND      | 1.5 |           | ND      | 11  | 30       | 1/31/24   | 0:47 | KMC     |
| 1,1,1-Trichloroethane                             | ND      | 1.5 |           | ND      | 8.2 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,1,2-Trichloroethane                             | ND      | 1.5 |           | ND      | 8.2 | 30       | 1/31/24   | 0:47 | KMC     |
| Trichloroethylene                                 | 160     | 1.5 |           | 840     | 8.1 | 30       | 1/31/24   | 0:47 | KMC     |
| Trichlorofluoromethane (Freon 11)                 | ND      | 6.0 |           | ND      | 34  | 30       | 1/31/24   | 0:47 | KMC     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND      | 6.0 |           | ND      | 46  | 30       | 1/31/24   | 0:47 | KMC     |
| 1,2,4-Trimethylbenzene                            | ND      | 1.5 |           | ND      | 7.4 | 30       | 1/31/24   | 0:47 | KMC     |
| 1,3,5-Trimethylbenzene                            | ND      | 1.5 |           | ND      | 7.4 | 30       | 1/31/24   | 0:47 | KMC     |
| Vinyl Acetate                                     | ND      | 30  |           | ND      | 110 | 30       | 1/31/24   | 0:47 | KMC     |
| Vinyl Chloride                                    | ND      | 1.5 |           | ND      | 3.8 | 30       | 1/31/24   | 0:47 | KMC     |
| m&p-Xylene                                        | ND      | 3.0 |           | ND      | 13  | 30       | 1/31/24   | 0:47 | KMC     |
| o-Xylene                                          | ND      | 1.5 |           | ND      | 6.5 | 30       | 1/31/24   | 0:47 | KMC     |

| Surrogates               | % Recovery | % REC Limits |              |
|--------------------------|------------|--------------|--------------|
| 4-Bromofluorobenzene (1) | 89.8       | 70-130       | 1/26/24 4:23 |
| 4-Bromofluorobenzene (1) | 84.0       | 70-130       | 1/31/24 0:47 |

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

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**Sample Extraction Data****Prep Method:TO-15 Prep      Analytical Method:EPA TO-15**

| Lab Number [Field ID]        | Batch   | Pressure Dilution | Pre Dilution | Pre-Dil Initial mL | Pre-Dil Final mL | Default Injection mL | Actual Injection mL | Date     |
|------------------------------|---------|-------------------|--------------|--------------------|------------------|----------------------|---------------------|----------|
| 24A2045-01 [SVE Effluent]    | B364573 | 1.5               | 1            | N/A                | 1000             | 200                  | 150                 | 01/25/24 |
| 24A2045-02RE1 [SVE Influent] | B364573 | 1.5               | 100          | 10                 | 1000             | 200                  | 200                 | 01/25/24 |

**Prep Method:TO-15 Prep      Analytical Method:EPA TO-15**

| Lab Number [Field ID]     | Batch   | Pressure Dilution | Pre Dilution | Pre-Dil Initial mL | Pre-Dil Final mL | Default Injection mL | Actual Injection mL | Date     |
|---------------------------|---------|-------------------|--------------|--------------------|------------------|----------------------|---------------------|----------|
| 24A2045-02 [SVE Influent] | B364820 | 1.5               | 1            | N/A                | 1000             | 200                  | 10                  | 01/30/24 |

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**QUALITY CONTROL**
**Air Toxics by EPA Compendium Methods - Quality Control**

| Analyte | ppbv    |    | ug/m3   |    | Spike Level | Source | %REC | %REC   | RPD | RPD   | Flag/Qual |
|---------|---------|----|---------|----|-------------|--------|------|--------|-----|-------|-----------|
|         | Results | RL | Results | RL | ppbv        | Result | %REC | Limits | RPD | Limit |           |

**Batch B364573 - TO-15 Prep**
**Blank (B364573-BLK1)**

Prepared &amp; Analyzed: 01/25/24

|                                                    |    |       |
|----------------------------------------------------|----|-------|
| Acetone                                            | ND | 0.80  |
| Benzene                                            | ND | 0.020 |
| Benzyl chloride                                    | ND | 0.020 |
| Bromodichloromethane                               | ND | 0.020 |
| Bromoform                                          | ND | 0.020 |
| Bromomethane                                       | ND | 0.020 |
| 1,3-Butadiene                                      | ND | 0.020 |
| 2-Butanone (MEK)                                   | ND | 0.80  |
| Carbon Disulfide                                   | ND | 0.20  |
| Carbon Tetrachloride                               | ND | 0.020 |
| Chlorobenzene                                      | ND | 0.020 |
| Chloroethane                                       | ND | 0.020 |
| Chloroform                                         | ND | 0.020 |
| Chloromethane                                      | ND | 0.040 |
| Cyclohexane                                        | ND | 0.020 |
| Dibromochloromethane                               | ND | 0.020 |
| 1,2-Dibromoethane (EDB)                            | ND | 0.020 |
| 1,2-Dichlorobenzene                                | ND | 0.020 |
| 1,3-Dichlorobenzene                                | ND | 0.020 |
| 1,4-Dichlorobenzene                                | ND | 0.020 |
| Dichlorodifluoromethane (Freon 12)                 | ND | 0.020 |
| 1,1-Dichloroethane                                 | ND | 0.020 |
| 1,2-Dichloroethane                                 | ND | 0.020 |
| 1,1-Dichloroethylene                               | ND | 0.020 |
| cis-1,2-Dichloroethylene                           | ND | 0.020 |
| trans-1,2-Dichloroethylene                         | ND | 0.020 |
| 1,2-Dichloropropane                                | ND | 0.020 |
| cis-1,3-Dichloropropene                            | ND | 0.020 |
| trans-1,3-Dichloropropene                          | ND | 0.020 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | ND | 0.020 |
| 1,4-Dioxane                                        | ND | 0.20  |
| Ethanol                                            | ND | 0.80  |
| Ethyl Acetate                                      | ND | 0.20  |
| Ethylbenzene                                       | ND | 0.020 |
| 4-Ethyltoluene                                     | ND | 0.020 |
| Heptane                                            | ND | 0.020 |
| Hexachlorobutadiene                                | ND | 0.020 |
| Hexane                                             | ND | 0.80  |
| 2-Hexanone (MBK)                                   | ND | 0.020 |
| Isopropanol                                        | ND | 0.80  |
| Methyl tert-Butyl Ether (MTBE)                     | ND | 0.020 |
| Methylene Chloride                                 | ND | 0.20  |
| 4-Methyl-2-pentanone (MIBK)                        | ND | 0.020 |
| Naphthalene                                        | ND | 0.020 |
| Propene                                            | ND | 0.80  |
| Styrene                                            | ND | 0.020 |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**
**Air Toxics by EPA Compendium Methods - Quality Control**

| Analyte | ppbv    |    | ug/m3   |    | Spike Level | Source | %REC | %REC   | RPD | Flag/Qual |
|---------|---------|----|---------|----|-------------|--------|------|--------|-----|-----------|
|         | Results | RL | Results | RL | ppbv        | Result | %REC | Limits | RPD |           |

**Batch B364573 - TO-15 Prep**
**Blank (B364573-BLK1)**

Prepared &amp; Analyzed: 01/25/24

|                                                   |    |       |
|---------------------------------------------------|----|-------|
| 1,1,2,2-Tetrachloroethane                         | ND | 0.020 |
| Tetrachloroethylene                               | ND | 0.020 |
| Tetrahydrofuran                                   | ND | 0.20  |
| Toluene                                           | ND | 0.020 |
| 1,2,4-Trichlorobenzene                            | ND | 0.020 |
| 1,1,1-Trichloroethane                             | ND | 0.020 |
| 1,1,2-Trichloroethane                             | ND | 0.020 |
| Trichloroethylene                                 | ND | 0.020 |
| Trichlorofluoromethane (Freon 11)                 | ND | 0.080 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.080 |
| 1,2,4-Trimethylbenzene                            | ND | 0.020 |
| 1,3,5-Trimethylbenzene                            | ND | 0.020 |
| Vinyl Acetate                                     | ND | 0.40  |
| Vinyl Chloride                                    | ND | 0.020 |
| m&p-Xylene                                        | ND | 0.040 |
| o-Xylene                                          | ND | 0.020 |

|                                            |             |             |             |               |
|--------------------------------------------|-------------|-------------|-------------|---------------|
| <i>Surrogate: 4-Bromofluorobenzene (1)</i> | <i>7.36</i> | <i>8.00</i> | <i>92.0</i> | <i>70-130</i> |
|--------------------------------------------|-------------|-------------|-------------|---------------|

**LCS (B364573-BS1)**

Prepared &amp; Analyzed: 01/25/24

|                                    |      |      |      |        |
|------------------------------------|------|------|------|--------|
| Acetone                            | 5.72 | 5.00 | 114  | 70-130 |
| Benzene                            | 5.47 | 5.00 | 109  | 70-130 |
| Benzyl chloride                    | 5.64 | 5.00 | 113  | 70-130 |
| Bromodichloromethane               | 5.58 | 5.00 | 112  | 70-130 |
| Bromoform                          | 5.70 | 5.00 | 114  | 70-130 |
| Bromomethane                       | 6.32 | 5.00 | 126  | 70-130 |
| 1,3-Butadiene                      | 5.86 | 5.00 | 117  | 70-130 |
| 2-Butanone (MEK)                   | 5.08 | 5.00 | 102  | 70-130 |
| Carbon Disulfide                   | 6.42 | 5.00 | 128  | 70-130 |
| Carbon Tetrachloride               | 5.00 | 5.00 | 99.9 | 70-130 |
| Chlorobenzene                      | 5.55 | 5.00 | 111  | 70-130 |
| Chloroethane                       | 5.83 | 5.00 | 117  | 70-130 |
| Chloroform                         | 5.96 | 5.00 | 119  | 70-130 |
| Chloromethane                      | 5.71 | 5.00 | 114  | 70-130 |
| Cyclohexane                        | 5.45 | 5.00 | 109  | 70-130 |
| Dibromochloromethane               | 5.74 | 5.00 | 115  | 70-130 |
| 1,2-Dibromoethane (EDB)            | 5.45 | 5.00 | 109  | 70-130 |
| 1,2-Dichlorobenzene                | 5.51 | 5.00 | 110  | 70-130 |
| 1,3-Dichlorobenzene                | 6.04 | 5.00 | 121  | 70-130 |
| 1,4-Dichlorobenzene                | 6.09 | 5.00 | 122  | 70-130 |
| Dichlorodifluoromethane (Freon 12) | 6.40 | 5.00 | 128  | 70-130 |
| 1,1-Dichloroethane                 | 6.13 | 5.00 | 123  | 70-130 |
| 1,2-Dichloroethane                 | 5.67 | 5.00 | 113  | 70-130 |
| 1,1-Dichloroethylene               | 6.19 | 5.00 | 124  | 70-130 |
| cis-1,2-Dichloroethylene           | 5.48 | 5.00 | 110  | 70-130 |
| trans-1,2-Dichloroethylene         | 6.20 | 5.00 | 124  | 70-130 |
| 1,2-Dichloropropane                | 5.79 | 5.00 | 116  | 70-130 |

V-06

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**
**Air Toxics by EPA Compendium Methods - Quality Control**

| Analyte                                               | ppbv    |    | ug/m3   |    | Spike Level<br>ppbv           | Source<br>Result | %REC  | %REC<br>Limits | RPD | RPD<br>Limit | Flag/Qual |
|-------------------------------------------------------|---------|----|---------|----|-------------------------------|------------------|-------|----------------|-----|--------------|-----------|
|                                                       | Results | RL | Results | RL |                               |                  |       |                |     |              |           |
| Batch B364573 - TO-15 Prep                            |         |    |         |    |                               |                  |       |                |     |              |           |
| LCS (B364573-BS1)                                     |         |    |         |    | Prepared & Analyzed: 01/25/24 |                  |       |                |     |              |           |
| cis-1,3-Dichloropropene                               | 5.49    |    |         |    | 5.00                          |                  | 110   | 70-130         |     |              |           |
| trans-1,3-Dichloropropene                             | 5.78    |    |         |    | 5.00                          |                  | 116   | 70-130         |     |              |           |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane<br>(Freon 114) | 6.05    |    |         |    | 5.00                          |                  | 121   | 70-130         |     |              | V-06      |
| 1,4-Dioxane                                           | 5.68    |    |         |    | 5.00                          |                  | 114   | 70-130         |     |              |           |
| Ethanol                                               | 7.90    |    |         |    | 5.00                          |                  | 158 * | 70-130         |     |              | L-05      |
| Ethyl Acetate                                         | 4.64    |    |         |    | 5.00                          |                  | 92.8  | 70-130         |     |              |           |
| Ethylbenzene                                          | 5.75    |    |         |    | 5.00                          |                  | 115   | 70-130         |     |              |           |
| 4-Ethyltoluene                                        | 5.86    |    |         |    | 5.00                          |                  | 117   | 70-130         |     |              |           |
| Heptane                                               | 5.38    |    |         |    | 5.00                          |                  | 108   | 70-130         |     |              |           |
| Hexachlorobutadiene                                   | 5.00    |    |         |    | 4.25                          |                  | 118   | 70-130         |     |              |           |
| Hexane                                                | 5.41    |    |         |    | 5.00                          |                  | 108   | 70-130         |     |              |           |
| 2-Hexanone (MBK)                                      | 5.87    |    |         |    | 5.00                          |                  | 117   | 70-130         |     |              |           |
| Isopropanol                                           | 5.69    |    |         |    | 5.00                          |                  | 114   | 70-130         |     |              |           |
| Methyl tert-Butyl Ether (MTBE)                        | 6.11    |    |         |    | 5.00                          |                  | 122   | 70-130         |     |              |           |
| Methylene Chloride                                    | 5.80    |    |         |    | 5.00                          |                  | 116   | 70-130         |     |              |           |
| 4-Methyl-2-pentanone (MIBK)                           | 5.35    |    |         |    | 5.00                          |                  | 107   | 70-130         |     |              |           |
| Naphthalene                                           | 5.14    |    |         |    | 3.68                          |                  | 140 * | 70-130         |     |              | L-05      |
| Propene                                               | 4.76    |    |         |    | 5.00                          |                  | 95.1  | 70-130         |     |              |           |
| Styrene                                               | 5.58    |    |         |    | 5.00                          |                  | 112   | 70-130         |     |              |           |
| 1,1,2,2-Tetrachloroethane                             | 6.14    |    |         |    | 5.00                          |                  | 123   | 70-130         |     |              |           |
| Tetrachloroethylene                                   | 5.40    |    |         |    | 5.00                          |                  | 108   | 70-130         |     |              |           |
| Tetrahydrofuran                                       | 4.97    |    |         |    | 5.00                          |                  | 99.5  | 70-130         |     |              |           |
| Toluene                                               | 5.61    |    |         |    | 5.00                          |                  | 112   | 70-130         |     |              |           |
| 1,2,4-Trichlorobenzene                                | 5.01    |    |         |    | 3.90                          |                  | 128   | 70-130         |     |              |           |
| 1,1,1-Trichloroethane                                 | 5.34    |    |         |    | 5.00                          |                  | 107   | 70-130         |     |              |           |
| 1,1,2-Trichloroethane                                 | 6.17    |    |         |    | 5.00                          |                  | 123   | 70-130         |     |              |           |
| Trichloroethylene                                     | 5.39    |    |         |    | 5.00                          |                  | 108   | 70-130         |     |              |           |
| Trichlorofluoromethane (Freon 11)                     | 6.15    |    |         |    | 5.00                          |                  | 123   | 70-130         |     |              |           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)     | 6.16    |    |         |    | 5.00                          |                  | 123   | 70-130         |     |              |           |
| 1,2,4-Trimethylbenzene                                | 5.64    |    |         |    | 5.00                          |                  | 113   | 70-130         |     |              |           |
| 1,3,5-Trimethylbenzene                                | 5.78    |    |         |    | 5.00                          |                  | 116   | 70-130         |     |              |           |
| Vinyl Acetate                                         | 6.48    |    |         |    | 5.00                          |                  | 130   | 70-130         |     |              | V-20      |
| Vinyl Chloride                                        | 6.24    |    |         |    | 5.00                          |                  | 125   | 70-130         |     |              |           |
| m&p-Xylene                                            | 12.0    |    |         |    | 10.0                          |                  | 120   | 70-130         |     |              |           |
| o-Xylene                                              | 5.83    |    |         |    | 5.00                          |                  | 117   | 70-130         |     |              |           |
| Surrogate: 4-Bromofluorobenzene (1)                   | 7.78    |    |         |    | 8.00                          |                  | 97.2  | 70-130         |     |              |           |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**
**Air Toxics by EPA Compendium Methods - Quality Control**

| Analyte | ppbv    |    | ug/m3   |    | Spike Level | Source | %REC |        | RPD |                 |
|---------|---------|----|---------|----|-------------|--------|------|--------|-----|-----------------|
|         | Results | RL | Results | RL | ppbv        | Result | %REC | Limits | RPD | Limit Flag/Qual |

**Batch B364820 - TO-15 Prep**
**Blank (B364820-BLK1)**

Prepared &amp; Analyzed: 01/30/24

|                                                    |    |       |
|----------------------------------------------------|----|-------|
| Acetone                                            | ND | 0.80  |
| Benzene                                            | ND | 0.020 |
| Benzyl chloride                                    | ND | 0.020 |
| Bromodichloromethane                               | ND | 0.020 |
| Bromoform                                          | ND | 0.020 |
| Bromomethane                                       | ND | 0.020 |
| 1,3-Butadiene                                      | ND | 0.020 |
| 2-Butanone (MEK)                                   | ND | 0.80  |
| Carbon Disulfide                                   | ND | 0.20  |
| Carbon Tetrachloride                               | ND | 0.020 |
| Chlorobenzene                                      | ND | 0.020 |
| Chloroethane                                       | ND | 0.020 |
| Chloroform                                         | ND | 0.020 |
| Chloromethane                                      | ND | 0.040 |
| Cyclohexane                                        | ND | 0.020 |
| Dibromochloromethane                               | ND | 0.020 |
| 1,2-Dibromoethane (EDB)                            | ND | 0.020 |
| 1,2-Dichlorobenzene                                | ND | 0.020 |
| 1,3-Dichlorobenzene                                | ND | 0.020 |
| 1,4-Dichlorobenzene                                | ND | 0.020 |
| Dichlorodifluoromethane (Freon 12)                 | ND | 0.020 |
| 1,1-Dichloroethane                                 | ND | 0.020 |
| 1,2-Dichloroethane                                 | ND | 0.020 |
| 1,1-Dichloroethylene                               | ND | 0.020 |
| cis-1,2-Dichloroethylene                           | ND | 0.020 |
| trans-1,2-Dichloroethylene                         | ND | 0.020 |
| 1,2-Dichloropropane                                | ND | 0.020 |
| cis-1,3-Dichloropropene                            | ND | 0.020 |
| trans-1,3-Dichloropropene                          | ND | 0.020 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | ND | 0.020 |
| 1,4-Dioxane                                        | ND | 0.20  |
| Ethanol                                            | ND | 0.80  |
| Ethyl Acetate                                      | ND | 0.20  |
| Ethylbenzene                                       | ND | 0.020 |
| 4-Ethyltoluene                                     | ND | 0.020 |
| Heptane                                            | ND | 0.020 |
| Hexachlorobutadiene                                | ND | 0.020 |
| Hexane                                             | ND | 0.80  |
| 2-Hexanone (MBK)                                   | ND | 0.020 |
| Isopropanol                                        | ND | 0.80  |
| Methyl tert-Butyl Ether (MTBE)                     | ND | 0.020 |
| Methylene Chloride                                 | ND | 0.20  |
| 4-Methyl-2-pentanone (MIBK)                        | ND | 0.020 |
| Naphthalene                                        | ND | 0.020 |
| Propene                                            | ND | 0.80  |
| Styrene                                            | ND | 0.020 |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**
**Air Toxics by EPA Compendium Methods - Quality Control**

| Analyte | ppbv    |    | ug/m3   |    | Spike Level | Source | %REC   | %REC | RPD   | Flag/Qual |
|---------|---------|----|---------|----|-------------|--------|--------|------|-------|-----------|
|         | Results | RL | Results | RL | ppbv        | Result | Limits | RPD  | Limit |           |

**Batch B364820 - TO-15 Prep**
**Blank (B364820-BLK1)**

Prepared &amp; Analyzed: 01/30/24

|                                                   |    |       |
|---------------------------------------------------|----|-------|
| 1,1,2,2-Tetrachloroethane                         | ND | 0.020 |
| Tetrachloroethylene                               | ND | 0.020 |
| Tetrahydrofuran                                   | ND | 0.20  |
| Toluene                                           | ND | 0.020 |
| 1,2,4-Trichlorobenzene                            | ND | 0.020 |
| 1,1,1-Trichloroethane                             | ND | 0.020 |
| 1,1,2-Trichloroethane                             | ND | 0.020 |
| Trichloroethylene                                 | ND | 0.020 |
| Trichlorofluoromethane (Freon 11)                 | ND | 0.080 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.080 |
| 1,2,4-Trimethylbenzene                            | ND | 0.020 |
| 1,3,5-Trimethylbenzene                            | ND | 0.020 |
| Vinyl Acetate                                     | ND | 0.40  |
| Vinyl Chloride                                    | ND | 0.020 |
| m&p-Xylene                                        | ND | 0.040 |
| o-Xylene                                          | ND | 0.020 |

Surrogate: 4-Bromofluorobenzene (1) 7.49 8.00 93.6 70-130

**LCS (B364820-BS1)**

Prepared &amp; Analyzed: 01/30/24

|                                    |      |      |      |        |
|------------------------------------|------|------|------|--------|
| Acetone                            | 4.81 | 5.00 | 96.3 | 70-130 |
| Benzene                            | 4.94 | 5.00 | 98.8 | 70-130 |
| Benzyl chloride                    | 4.99 | 5.00 | 99.9 | 70-130 |
| Bromodichloromethane               | 5.10 | 5.00 | 102  | 70-130 |
| Bromoform                          | 4.92 | 5.00 | 98.4 | 70-130 |
| Bromomethane                       | 5.34 | 5.00 | 107  | 70-130 |
| 1,3-Butadiene                      | 4.93 | 5.00 | 98.7 | 70-130 |
| 2-Butanone (MEK)                   | 4.37 | 5.00 | 87.4 | 70-130 |
| Carbon Disulfide                   | 5.45 | 5.00 | 109  | 70-130 |
| Carbon Tetrachloride               | 4.15 | 5.00 | 82.9 | 70-130 |
| Chlorobenzene                      | 4.95 | 5.00 | 99.1 | 70-130 |
| Chloroethane                       | 4.94 | 5.00 | 98.8 | 70-130 |
| Chloroform                         | 5.12 | 5.00 | 102  | 70-130 |
| Chloromethane                      | 4.76 | 5.00 | 95.2 | 70-130 |
| Cyclohexane                        | 4.83 | 5.00 | 96.7 | 70-130 |
| Dibromochloromethane               | 5.01 | 5.00 | 100  | 70-130 |
| 1,2-Dibromoethane (EDB)            | 4.84 | 5.00 | 96.9 | 70-130 |
| 1,2-Dichlorobenzene                | 4.75 | 5.00 | 95.1 | 70-130 |
| 1,3-Dichlorobenzene                | 5.33 | 5.00 | 107  | 70-130 |
| 1,4-Dichlorobenzene                | 5.31 | 5.00 | 106  | 70-130 |
| Dichlorodifluoromethane (Freon 12) | 5.32 | 5.00 | 106  | 70-130 |
| 1,1-Dichloroethane                 | 5.09 | 5.00 | 102  | 70-130 |
| 1,2-Dichloroethane                 | 4.79 | 5.00 | 95.9 | 70-130 |
| 1,1-Dichloroethylene               | 5.37 | 5.00 | 107  | 70-130 |
| cis-1,2-Dichloroethylene           | 4.84 | 5.00 | 96.8 | 70-130 |
| trans-1,2-Dichloroethylene         | 5.20 | 5.00 | 104  | 70-130 |
| 1,2-Dichloropropane                | 5.20 | 5.00 | 104  | 70-130 |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**
**Air Toxics by EPA Compendium Methods - Quality Control**

| Analyte                                            | ppbv    |    | ug/m3   |    | Spike Level                   | Source | %REC | %REC   | RPD | RPD | Flag/Qual |
|----------------------------------------------------|---------|----|---------|----|-------------------------------|--------|------|--------|-----|-----|-----------|
|                                                    | Results | RL | Results | RL | ppbv                          | Result |      | Limits |     |     |           |
| Batch B364820 - TO-15 Prep                         |         |    |         |    |                               |        |      |        |     |     |           |
| LCS (B364820-BS1)                                  |         |    |         |    | Prepared & Analyzed: 01/30/24 |        |      |        |     |     |           |
| cis-1,3-Dichloropropene                            | 5.00    |    |         |    | 5.00                          |        | 99.9 | 70-130 |     |     |           |
| trans-1,3-Dichloropropene                          | 5.17    |    |         |    | 5.00                          |        | 103  | 70-130 |     |     |           |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | 5.03    |    |         |    | 5.00                          |        | 101  | 70-130 |     |     |           |
| 1,4-Dioxane                                        | 5.00    |    |         |    | 5.00                          |        | 100  | 70-130 |     |     |           |
| Ethanol                                            | 6.43    |    |         |    | 5.00                          |        | 129  | 70-130 |     |     |           |
| Ethyl Acetate                                      | 4.03    |    |         |    | 5.00                          |        | 80.5 | 70-130 |     |     |           |
| Ethylbenzene                                       | 5.11    |    |         |    | 5.00                          |        | 102  | 70-130 |     |     |           |
| 4-Ethyltoluene                                     | 5.10    |    |         |    | 5.00                          |        | 102  | 70-130 |     |     |           |
| Heptane                                            | 4.87    |    |         |    | 5.00                          |        | 97.5 | 70-130 |     |     |           |
| Hexachlorobutadiene                                | 4.50    |    |         |    | 5.00                          |        | 90.0 | 70-130 |     |     |           |
| Hexane                                             | 4.76    |    |         |    | 5.00                          |        | 95.2 | 70-130 |     |     |           |
| 2-Hexanone (MBK)                                   | 5.12    |    |         |    | 5.00                          |        | 102  | 70-130 |     |     |           |
| Isopropanol                                        | 4.72    |    |         |    | 5.00                          |        | 94.3 | 70-130 |     |     |           |
| Methyl tert-Butyl Ether (MTBE)                     | 5.04    |    |         |    | 5.00                          |        | 101  | 70-130 |     |     |           |
| Methylene Chloride                                 | 4.86    |    |         |    | 5.00                          |        | 97.1 | 70-130 |     |     |           |
| 4-Methyl-2-pentanone (MIBK)                        | 4.90    |    |         |    | 5.00                          |        | 98.0 | 70-130 |     |     |           |
| Naphthalene                                        | 4.31    |    |         |    | 5.00                          |        | 86.2 | 70-130 |     |     |           |
| Propene                                            | 4.33    |    |         |    | 5.00                          |        | 86.6 | 70-130 |     |     |           |
| Styrene                                            | 4.81    |    |         |    | 5.00                          |        | 96.2 | 70-130 |     |     |           |
| 1,1,2,2-Tetrachloroethane                          | 5.46    |    |         |    | 5.00                          |        | 109  | 70-130 |     |     |           |
| Tetrachloroethylene                                | 4.79    |    |         |    | 5.00                          |        | 95.8 | 70-130 |     |     |           |
| Tetrahydrofuran                                    | 4.49    |    |         |    | 5.00                          |        | 89.8 | 70-130 |     |     |           |
| Toluene                                            | 4.98    |    |         |    | 5.00                          |        | 99.5 | 70-130 |     |     |           |
| 1,2,4-Trichlorobenzene                             | 4.27    |    |         |    | 5.00                          |        | 85.4 | 70-130 |     |     |           |
| 1,1,1-Trichloroethane                              | 4.87    |    |         |    | 5.00                          |        | 97.3 | 70-130 |     |     |           |
| 1,1,2-Trichloroethane                              | 5.49    |    |         |    | 5.00                          |        | 110  | 70-130 |     |     |           |
| Trichloroethylene                                  | 4.89    |    |         |    | 5.00                          |        | 97.8 | 70-130 |     |     |           |
| Trichlorofluoromethane (Freon 11)                  | 5.07    |    |         |    | 5.00                          |        | 101  | 70-130 |     |     |           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)  | 5.14    |    |         |    | 5.00                          |        | 103  | 70-130 |     |     |           |
| 1,2,4-Trimethylbenzene                             | 5.03    |    |         |    | 5.00                          |        | 101  | 70-130 |     |     |           |
| 1,3,5-Trimethylbenzene                             | 5.10    |    |         |    | 5.00                          |        | 102  | 70-130 |     |     |           |
| Vinyl Acetate                                      | 5.81    |    |         |    | 5.00                          |        | 116  | 70-130 |     |     |           |
| Vinyl Chloride                                     | 5.25    |    |         |    | 5.00                          |        | 105  | 70-130 |     |     |           |
| m&p-Xylene                                         | 10.7    |    |         |    | 10.0                          |        | 107  | 70-130 |     |     |           |
| o-Xylene                                           | 5.15    |    |         |    | 5.00                          |        | 103  | 70-130 |     |     |           |
| Surrogate: 4-Bromofluorobenzene (1)                | 7.94    |    |         |    | 8.00                          |        | 99.3 | 70-130 |     |     |           |



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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332**FLAG/QUALIFIER SUMMARY**

|       |                                                                                                                                                                                                         |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *     | QC result is outside of established limits.                                                                                                                                                             |
| †     | Wide recovery limits established for difficult compound.                                                                                                                                                |
| ‡     | Wide RPD limits established for difficult compound.                                                                                                                                                     |
| #     | Data exceeded client recommended or regulatory level                                                                                                                                                    |
| ND    | Not Detected                                                                                                                                                                                            |
| RL    | Reporting Limit is at the level of quantitation (LOQ)                                                                                                                                                   |
| DL    | Detection Limit is the lower limit of detection determined by the MDL study                                                                                                                             |
| MCL   | Maximum Contaminant Level                                                                                                                                                                               |
|       | Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.                                                  |
|       | No results have been blank subtracted unless specified in the case narrative section.                                                                                                                   |
| L-05  | Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.                                   |
| RL-11 | Elevated reporting limit due to high concentration of target compounds.                                                                                                                                 |
| V-06  | Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.                                                                         |
| V-20  | Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound. |

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**EPA TO-15**

| Internal Standard                        | Response | RT    | Reference Response        | Reference RT | Area % | Area % Limits            | RT Diff | RT Diff Limit | Q |
|------------------------------------------|----------|-------|---------------------------|--------------|--------|--------------------------|---------|---------------|---|
| <b>Initial Cal Check (S091464-ICV1 )</b> |          |       | Lab File ID: L23A214020.D |              |        | Analyzed: 08/02/23 23:42 |         |               |   |
| Bromochloromethane (1)                   | 300782   | 2.867 | 314027                    | 2.871        | 96     | 60 - 140                 | -0.0040 | +/-0.50       |   |
| 1,4-Difluorobenzene (1)                  | 878479   | 3.54  | 895773                    | 3.54         | 98     | 60 - 140                 | 0.0000  | +/-0.50       |   |
| Chlorobenzene-d5 (1)                     | 823159   | 5.202 | 837397                    | 5.202        | 98     | 60 - 140                 | 0.0000  | +/-0.50       |   |

**INTERNAL STANDARD AREA AND RT SUMMARY**
**EPA TO-15**

| Internal Standard                        | Response | RT    | Reference Response        | Reference RT | Area % | Area % Limits            | RT Diff | RT Diff Limit | Q |
|------------------------------------------|----------|-------|---------------------------|--------------|--------|--------------------------|---------|---------------|---|
| <b>Calibration Check (S099773-CCV1 )</b> |          |       | Lab File ID: L24A025003.D |              |        | Analyzed: 01/25/24 10:30 |         |               |   |
| Bromochloromethane (1)                   | 239681   | 2.865 |                           |              |        | 60 - 140                 |         | +/-0.50       |   |
| 1,4-Difluorobenzene (1)                  | 675323   | 3.538 |                           |              |        | 60 - 140                 |         | +/-0.50       |   |
| Chlorobenzene-d5 (1)                     | 607724   | 5.196 |                           |              |        | 60 - 140                 |         | +/-0.50       |   |
| <b>LCS (B364573-BS1 )</b>                |          |       | Lab File ID: L24A025004.D |              |        | Analyzed: 01/25/24 10:55 |         |               |   |
| Bromochloromethane (1)                   | 237990   | 2.864 | 239681                    | 2.865        | 99     | 60 - 140                 | -0.0010 | +/-0.50       |   |
| 1,4-Difluorobenzene (1)                  | 681491   | 3.539 | 675323                    | 3.538        | 101    | 60 - 140                 | 0.0010  | +/-0.50       |   |
| Chlorobenzene-d5 (1)                     | 604735   | 5.196 | 607724                    | 5.196        | 100    | 60 - 140                 | 0.0000  | +/-0.50       |   |
| <b>Blank (B364573-BLK1 )</b>             |          |       | Lab File ID: L24A025007.D |              |        | Analyzed: 01/25/24 12:27 |         |               |   |
| Bromochloromethane (1)                   | 237927   | 2.869 | 239681                    | 2.865        | 99     | 60 - 140                 | 0.0040  | +/-0.50       |   |
| 1,4-Difluorobenzene (1)                  | 627255   | 3.538 | 675323                    | 3.538        | 93     | 60 - 140                 | 0.0000  | +/-0.50       |   |
| Chlorobenzene-d5 (1)                     | 571542   | 5.194 | 607724                    | 5.196        | 94     | 60 - 140                 | -0.0020 | +/-0.50       |   |
| <b>SVE Effluent (24A2045-01 )</b>        |          |       | Lab File ID: L24A025037.D |              |        | Analyzed: 01/26/24 03:54 |         |               |   |
| Bromochloromethane (1)                   | 215701   | 2.869 | 239681                    | 2.865        | 90     | 60 - 140                 | 0.0040  | +/-0.50       |   |
| 1,4-Difluorobenzene (1)                  | 568719   | 3.537 | 675323                    | 3.538        | 84     | 60 - 140                 | -0.0010 | +/-0.50       |   |
| Chlorobenzene-d5 (1)                     | 518617   | 5.194 | 607724                    | 5.196        | 85     | 60 - 140                 | -0.0020 | +/-0.50       |   |
| <b>SVE Influent (24A2045-02RE1 )</b>     |          |       | Lab File ID: L24A025038.D |              |        | Analyzed: 01/26/24 04:23 |         |               |   |
| Bromochloromethane (1)                   | 216527   | 2.864 | 239681                    | 2.865        | 90     | 60 - 140                 | -0.0010 | +/-0.50       |   |
| 1,4-Difluorobenzene (1)                  | 570795   | 3.537 | 675323                    | 3.538        | 85     | 60 - 140                 | -0.0010 | +/-0.50       |   |
| Chlorobenzene-d5 (1)                     | 534560   | 5.194 | 607724                    | 5.196        | 88     | 60 - 140                 | -0.0020 | +/-0.50       |   |

**INTERNAL STANDARD AREA AND RT SUMMARY**
**EPA TO-15**

| Internal Standard                        | Response | RT    | Reference Response        | Reference RT | Area % | Area % Limits            | RT Diff | RT Diff Limit | Q |
|------------------------------------------|----------|-------|---------------------------|--------------|--------|--------------------------|---------|---------------|---|
| <b>Calibration Check (S099909-CCV1 )</b> |          |       | Lab File ID: L24A030003.D |              |        | Analyzed: 01/30/24 10:10 |         |               |   |
| Bromochloromethane (1)                   | 260856   | 2.865 |                           |              |        | 60 - 140                 |         | +/-0.50       |   |
| 1,4-Difluorobenzene (1)                  | 738265   | 3.538 |                           |              |        | 60 - 140                 |         | +/-0.50       |   |
| Chlorobenzene-d5 (1)                     | 664095   | 5.196 |                           |              |        | 60 - 140                 |         | +/-0.50       |   |

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## INTERNAL STANDARD AREA AND RT SUMMARY

## EPA TO-15

| Internal Standard                                                                    | Response | RT    | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|--------------------------------------------------------------------------------------|----------|-------|--------------------|--------------|--------|---------------|---------|---------------|---|
| <b>LCS (B364820-BS1 )</b> Lab File ID: L24A030004.D Analyzed: 01/30/24 10:36         |          |       |                    |              |        |               |         |               |   |
| Bromochloromethane (1)                                                               | 269457   | 2.865 | 260856             | 2.865        | 103    | 60 - 140      | 0.0000  | +/-0.50       |   |
| 1,4-Difluorobenzene (1)                                                              | 737227   | 3.538 | 738265             | 3.538        | 100    | 60 - 140      | 0.0000  | +/-0.50       |   |
| Chlorobenzene-d5 (1)                                                                 | 662963   | 5.196 | 664095             | 5.196        | 100    | 60 - 140      | 0.0000  | +/-0.50       |   |
| <b>Blank (B364820-BLK1 )</b> Lab File ID: L24A030007.D Analyzed: 01/30/24 12:08      |          |       |                    |              |        |               |         |               |   |
| Bromochloromethane (1)                                                               | 267556   | 2.869 | 260856             | 2.865        | 103    | 60 - 140      | 0.0040  | +/-0.50       |   |
| 1,4-Difluorobenzene (1)                                                              | 693652   | 3.537 | 738265             | 3.538        | 94     | 60 - 140      | -0.0010 | +/-0.50       |   |
| Chlorobenzene-d5 (1)                                                                 | 639922   | 5.194 | 664095             | 5.196        | 96     | 60 - 140      | -0.0020 | +/-0.50       |   |
| <b>SVE Influent (24A2045-02 )</b> Lab File ID: L24A030028.D Analyzed: 01/31/24 00:47 |          |       |                    |              |        |               |         |               |   |
| Bromochloromethane (1)                                                               | 246834   | 2.864 | 260856             | 2.865        | 95     | 60 - 140      | -0.0010 | +/-0.50       |   |
| 1,4-Difluorobenzene (1)                                                              | 668863   | 3.537 | 738265             | 3.538        | 91     | 60 - 140      | -0.0010 | +/-0.50       |   |
| Chlorobenzene-d5 (1)                                                                 | 627321   | 5.194 | 664095             | 5.196        | 94     | 60 - 140      | -0.0020 | +/-0.50       |   |

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## CONTINUING CALIBRATION CHECK

EPA TO-15

S099773-CCV1

| COMPOUND                                           | TYPE | CONC. (ppbv) |      | RESPONSE FACTOR |           |         | % DIFF / DRIFT |           |
|----------------------------------------------------|------|--------------|------|-----------------|-----------|---------|----------------|-----------|
|                                                    |      | STD          | CCV  | ICAL            | CCV       | MIN (#) | CCV            | LIMIT (#) |
| Acetone                                            | A    | 5.00         | 5.61 | 1.122255        | 1.25918   |         | 12.2           | 30        |
| Benzene                                            | A    | 5.00         | 5.75 | 0.7254293       | 0.8336135 |         | 14.9           | 30        |
| Benzyl chloride                                    | A    | 5.00         | 5.79 | 0.65192         | 0.7550006 |         | 15.8           | 30        |
| Bromodichloromethane                               | A    | 5.00         | 5.86 | 0.5567047       | 0.6527318 |         | 17.2           | 30        |
| Bromoform                                          | A    | 5.00         | 5.58 | 0.4926101       | 0.5500102 |         | 11.7           | 30        |
| Bromomethane                                       | A    | 5.00         | 6.37 | 0.6308676       | 0.8034479 |         | 27.4           | 30        |
| 1,3-Butadiene                                      | A    | 5.00         | 5.99 | 0.551149        | 0.6606047 |         | 19.9           | 30        |
| 2-Butanone (MEK)                                   | A    | 5.00         | 4.82 | 1.381604        | 1.332792  |         | -3.5           | 30        |
| Carbon Disulfide                                   | A    | 5.00         | 6.33 | 2.063757        | 2.612466  |         | 26.6           | 30        |
| Carbon Tetrachloride                               | A    | 5.00         | 5.49 | 0.5110368       | 0.5615659 |         | 9.9            | 30        |
| Chlorobenzene                                      | A    | 5.00         | 5.68 | 0.7219812       | 0.8202329 |         | 13.6           | 30        |
| Chloroethane                                       | A    | 5.00         | 5.83 | 0.411751        | 0.4801916 |         | 16.6           | 30        |
| Chloroform                                         | A    | 5.00         | 5.91 | 1.439332        | 1.700607  |         | 18.2           | 30        |
| Chloromethane                                      | A    | 5.00         | 5.82 | 0.6101459       | 0.7107113 |         | 16.5           | 30        |
| Cyclohexane                                        | A    | 5.00         | 5.31 | 0.3030286       | 0.3218253 |         | 6.2            | 30        |
| Dibromochloromethane                               | A    | 5.00         | 5.66 | 0.5644122       | 0.6390427 |         | 13.2           | 30        |
| 1,2-Dibromoethane (EDB)                            | A    | 5.00         | 5.64 | 0.5076449       | 0.5724204 |         | 12.8           | 30        |
| 1,2-Dichlorobenzene                                | A    | 5.00         | 5.50 | 0.6234765       | 0.6852742 |         | 9.9            | 30        |
| 1,3-Dichlorobenzene                                | A    | 5.00         | 6.30 | 0.6267236       | 0.7893741 |         | 26.0           | 30        |
| 1,4-Dichlorobenzene                                | A    | 5.00         | 6.24 | 0.5801365       | 0.7241366 |         | 24.8           | 30        |
| Dichlorodifluoromethane (Freon 12)                 | A    | 5.00         | 6.59 | 1.768079        | 2.329122  |         | 31.7           | 30 *      |
| 1,1-Dichloroethane                                 | A    | 5.00         | 6.20 | 1.392824        | 1.726555  |         | 24.0           | 30        |
| 1,2-Dichloroethane                                 | A    | 5.00         | 5.92 | 0.9772927       | 1.157452  |         | 18.4           | 30        |
| 1,1-Dichloroethylene                               | A    | 5.00         | 6.49 | 1.127187        | 1.464066  |         | 29.9           | 30        |
| cis-1,2-Dichloroethylene                           | A    | 5.00         | 5.67 | 0.908952        | 1.031251  |         | 13.5           | 30        |
| trans-1,2-Dichloroethylene                         | A    | 5.00         | 6.18 | 1.128232        | 1.394874  |         | 23.6           | 30        |
| 1,2-Dichloropropane                                | A    | 5.00         | 5.89 | 0.2601948       | 0.3066835 |         | 17.9           | 30        |
| cis-1,3-Dichloropropene                            | A    | 5.00         | 6.28 | 0.3962271       | 0.4974354 |         | 25.5           | 30        |
| trans-1,3-Dichloropropene                          | A    | 5.00         | 5.44 | 0.3522842       | 0.382916  |         | 8.7            | 30        |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | A    | 5.00         | 6.61 | 1.784687        | 2.359903  |         | 32.2           | 30 *      |
| 1,4-Dioxane                                        | A    | 5.00         | 5.31 | 0.1742852       | 0.1851416 |         | 6.2            | 30        |
| Ethanol                                            | A    | 5.00         | 5.66 | 0.1732414       | 0.1962942 |         | 13.3           | 30        |
| Ethyl Acetate                                      | A    | 5.00         | 4.48 | 0.2390169       | 0.2140512 |         | -10.4          | 30        |
| Ethylbenzene                                       | A    | 5.00         | 5.90 | 1.176902        | 1.388686  |         | 18.0           | 30        |
| 4-Ethyltoluene                                     | A    | 5.00         | 5.80 | 1.247069        | 1.446988  |         | 16.0           | 30        |
| Heptane                                            | A    | 5.00         | 5.48 | 0.2286847       | 0.2504804 |         | 9.5            | 30        |
| Hexachlorobutadiene                                | A    | 5.00         | 4.91 | 0.4755616       | 0.4668119 |         | -1.8           | 30        |
| Hexane                                             | A    | 5.00         | 5.26 | 0.7442178       | 0.7825935 |         | 5.2            | 30        |

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## CONTINUING CALIBRATION CHECK

EPA TO-15

S099773-CCV1

| COMPOUND                                          | TYPE | CONC. (ppbv) |      | RESPONSE FACTOR |           |         | % DIFF / DRIFT |           |
|---------------------------------------------------|------|--------------|------|-----------------|-----------|---------|----------------|-----------|
|                                                   |      | STD          | CCV  | ICAL            | CCV       | MIN (#) | CCV            | LIMIT (#) |
| 2-Hexanone (MBK)                                  | A    | 5.00         | 6.09 | 0.5993899       | 0.7296444 |         | 21.7           | 30        |
| Isopropanol                                       | A    | 5.00         | 5.78 | 1.180699        | 1.365034  |         | 15.6           | 30        |
| Methyl tert-Butyl Ether (MTBE)                    | A    | 5.00         | 6.05 | 2.130891        | 2.577206  |         | 20.9           | 30        |
| Methylene Chloride                                | A    | 5.00         | 5.88 | 0.8716214       | 1.024482  |         | 17.5           | 30        |
| 4-Methyl-2-pentanone (MIBK)                       | A    | 5.00         | 5.84 | 0.2414371       | 0.2818894 |         | 16.8           | 30        |
| Naphthalene                                       | A    | 5.00         | 4.90 | 0.954618        | 0.9364751 |         | -1.9           | 30        |
| Propene                                           | A    | 5.00         | 4.85 | 0.4075236       | 0.3955057 |         | -2.9           | 30        |
| Styrene                                           | A    | 5.00         | 5.80 | 0.6680173       | 0.7748333 |         | 16.0           | 30        |
| 1,1,2,2-Tetrachloroethane                         | A    | 5.00         | 6.35 | 0.6838293       | 0.8689418 |         | 27.1           | 30        |
| Tetrachloroethylene                               | A    | 5.00         | 5.59 | 0.4174566       | 0.4670304 |         | 11.9           | 30        |
| Tetrahydrofuran                                   | A    | 5.00         | 4.58 | 0.9111963       | 0.8346894 |         | -8.4           | 30        |
| Toluene                                           | A    | 5.00         | 5.72 | 0.9385805       | 1.073448  |         | 14.4           | 30        |
| 1,2,4-Trichlorobenzene                            | A    | 5.00         | 5.18 | 0.3693275       | 0.3825315 |         | 3.6            | 30        |
| 1,1,1-Trichloroethane                             | A    | 5.00         | 5.82 | 0.5075792       | 0.5902669 |         | 16.3           | 30        |
| 1,1,2-Trichloroethane                             | A    | 5.00         | 6.39 | 0.309655        | 0.3958955 |         | 27.9           | 30        |
| Trichloroethylene                                 | A    | 5.00         | 5.58 | 0.3356598       | 0.3746782 |         | 11.6           | 30        |
| Trichlorofluoromethane (Freon 11)                 | A    | 5.00         | 6.33 | 1.816743        | 2.299683  |         | 26.6           | 30        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | A    | 5.00         | 6.40 | 1.436582        | 1.83797   |         | 27.9           | 30        |
| 1,2,4-Trimethylbenzene                            | A    | 5.00         | 5.98 | 1.021302        | 1.221381  |         | 19.6           | 30        |
| 1,3,5-Trimethylbenzene                            | A    | 5.00         | 6.11 | 1.055296        | 1.288656  |         | 22.1           | 30        |
| Vinyl Acetate                                     | A    | 5.00         | 7.18 | 1.463541        | 2.102341  |         | 43.6           | 30 *      |
| Vinyl Chloride                                    | A    | 5.00         | 6.38 | 0.7105757       | 0.9060443 |         | 27.5           | 30        |
| m&p-Xylene                                        | A    | 10.0         | 12.3 | 0.9711506       | 1.195037  |         | 23.1           | 30        |
| o-Xylene                                          | A    | 5.00         | 6.07 | 0.9550518       | 1.159784  |         | 21.4           | 30        |

# Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

\* Values outside of QC limits

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## CONTINUING CALIBRATION CHECK

EPA TO-15

S099909-CCV1

| COMPOUND                                           | TYPE | CONC. (ppbv) |      | RESPONSE FACTOR |           |         | % DIFF / DRIFT |           |
|----------------------------------------------------|------|--------------|------|-----------------|-----------|---------|----------------|-----------|
|                                                    |      | STD          | CCV  | ICAL            | CCV       | MIN (#) | CCV            | LIMIT (#) |
| Acetone                                            | A    | 5.00         | 4.95 | 1.122255        | 1.111902  |         | -0.9           | 30        |
| Benzene                                            | A    | 5.00         | 5.18 | 0.7254293       | 0.7508155 |         | 3.5            | 30        |
| Benzyl chloride                                    | A    | 5.00         | 5.04 | 0.65192         | 0.6577107 |         | 0.9            | 30        |
| Bromodichloromethane                               | A    | 5.00         | 5.21 | 0.5567047       | 0.5798113 |         | 4.2            | 30        |
| Bromoform                                          | A    | 5.00         | 4.96 | 0.4926101       | 0.4883783 |         | -0.9           | 30        |
| Bromomethane                                       | A    | 5.00         | 5.70 | 0.6308676       | 0.718496  |         | 13.9           | 30        |
| 1,3-Butadiene                                      | A    | 5.00         | 5.28 | 0.551149        | 0.5816972 |         | 5.5            | 30        |
| 2-Butanone (MEK)                                   | A    | 5.00         | 4.42 | 1.381604        | 1.221155  |         | -11.6          | 30        |
| Carbon Disulfide                                   | A    | 5.00         | 5.58 | 2.063757        | 2.303708  |         | 11.6           | 30        |
| Carbon Tetrachloride                               | A    | 5.00         | 4.66 | 0.5110368       | 0.4763948 |         | -6.8           | 30        |
| Chlorobenzene                                      | A    | 5.00         | 5.20 | 0.7219812       | 0.7503794 |         | 3.9            | 30        |
| Chloroethane                                       | A    | 5.00         | 5.21 | 0.411751        | 0.4287975 |         | 4.1            | 30        |
| Chloroform                                         | A    | 5.00         | 5.40 | 1.439332        | 1.554476  |         | 8.0            | 30        |
| Chloromethane                                      | A    | 5.00         | 5.23 | 0.6101459       | 0.6386052 |         | 4.7            | 30        |
| Cyclohexane                                        | A    | 5.00         | 4.84 | 0.3030286       | 0.2931674 |         | -3.3           | 30        |
| Dibromochloromethane                               | A    | 5.00         | 5.10 | 0.5644122       | 0.5753081 |         | 1.9            | 30        |
| 1,2-Dibromoethane (EDB)                            | A    | 5.00         | 5.18 | 0.5076449       | 0.5253995 |         | 3.5            | 30        |
| 1,2-Dichlorobenzene                                | A    | 5.00         | 4.88 | 0.6234765       | 0.60806   |         | -2.5           | 30        |
| 1,3-Dichlorobenzene                                | A    | 5.00         | 5.21 | 0.6267236       | 0.653333  |         | 4.2            | 30        |
| 1,4-Dichlorobenzene                                | A    | 5.00         | 5.20 | 0.5801365       | 0.6036847 |         | 4.1            | 30        |
| Dichlorodifluoromethane (Freon 12)                 | A    | 5.00         | 5.80 | 1.768079        | 2.05086   |         | 16.0           | 30        |
| 1,1-Dichloroethane                                 | A    | 5.00         | 5.46 | 1.392824        | 1.519944  |         | 9.1            | 30        |
| 1,2-Dichloroethane                                 | A    | 5.00         | 5.34 | 0.9772927       | 1.044616  |         | 6.9            | 30        |
| 1,1-Dichloroethylene                               | A    | 5.00         | 5.74 | 1.127187        | 1.293373  |         | 14.7           | 30        |
| cis-1,2-Dichloroethylene                           | A    | 5.00         | 5.23 | 0.908952        | 0.9499617 |         | 4.5            | 30        |
| trans-1,2-Dichloroethylene                         | A    | 5.00         | 5.40 | 1.128232        | 1.217861  |         | 7.9            | 30        |
| 1,2-Dichloropropane                                | A    | 5.00         | 5.28 | 0.2601948       | 0.2748238 |         | 5.6            | 30        |
| cis-1,3-Dichloropropene                            | A    | 5.00         | 5.70 | 0.3962271       | 0.4521152 |         | 14.1           | 30        |
| trans-1,3-Dichloropropene                          | A    | 5.00         | 4.87 | 0.3522842       | 0.3428579 |         | -2.7           | 30        |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | A    | 5.00         | 5.88 | 1.784687        | 2.099647  |         | 17.6           | 30        |
| 1,4-Dioxane                                        | A    | 5.00         | 4.71 | 0.1742852       | 0.1641318 |         | -5.8           | 30        |
| Ethanol                                            | A    | 5.00         | 5.22 | 0.1732414       | 0.1808507 |         | 4.4            | 30        |
| Ethyl Acetate                                      | A    | 5.00         | 4.14 | 0.2390169       | 0.1980618 |         | -17.1          | 30        |
| Ethylbenzene                                       | A    | 5.00         | 5.36 | 1.176902        | 1.26055   |         | 7.1            | 30        |
| 4-Ethyltoluene                                     | A    | 5.00         | 5.07 | 1.247069        | 1.264354  |         | 1.4            | 30        |
| Heptane                                            | A    | 5.00         | 4.93 | 0.2286847       | 0.2254345 |         | -1.4           | 30        |
| Hexachlorobutadiene                                | A    | 5.00         | 4.56 | 0.4755616       | 0.4341475 |         | -8.7           | 30        |
| Hexane                                             | A    | 5.00         | 4.80 | 0.7442178       | 0.7145889 |         | -4.0           | 30        |

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## CONTINUING CALIBRATION CHECK

EPA TO-15

S099909-CCV1

| COMPOUND                                          | TYPE | CONC. (ppbv) |      | RESPONSE FACTOR |           |         | % DIFF / DRIFT |           |
|---------------------------------------------------|------|--------------|------|-----------------|-----------|---------|----------------|-----------|
|                                                   |      | STD          | CCV  | ICAL            | CCV       | MIN (#) | CCV            | LIMIT (#) |
| 2-Hexanone (MBK)                                  | A    | 5.00         | 5.47 | 0.5993899       | 0.6562386 |         | 9.5            | 30        |
| Isopropanol                                       | A    | 5.00         | 5.14 | 1.180699        | 1.212967  |         | 2.7            | 30        |
| Methyl tert-Butyl Ether (MTBE)                    | A    | 5.00         | 5.36 | 2.130891        | 2.282988  |         | 7.1            | 30        |
| Methylene Chloride                                | A    | 5.00         | 5.24 | 0.8716214       | 0.9131352 |         | 4.8            | 30        |
| 4-Methyl-2-pentanone (MIBK)                       | A    | 5.00         | 5.12 | 0.2414371       | 0.2471503 |         | 2.4            | 30        |
| Naphthalene                                       | A    | 5.00         | 4.16 | 0.954618        | 0.7943297 |         | -16.8          | 30        |
| Propene                                           | A    | 5.00         | 4.48 | 0.4075236       | 0.3650873 |         | -10.4          | 30        |
| Styrene                                           | A    | 5.00         | 5.31 | 0.6680173       | 0.7090142 |         | 6.1            | 30        |
| 1,1,2,2-Tetrachloroethane                         | A    | 5.00         | 5.65 | 0.6838293       | 0.7723907 |         | 13.0           | 30        |
| Tetrachloroethylene                               | A    | 5.00         | 5.04 | 0.4174566       | 0.4206169 |         | 0.8            | 30        |
| Tetrahydrofuran                                   | A    | 5.00         | 3.94 | 0.9111963       | 0.7174349 |         | -21.3          | 30        |
| Toluene                                           | A    | 5.00         | 5.08 | 0.9385805       | 0.9535527 |         | 1.6            | 30        |
| 1,2,4-Trichlorobenzene                            | A    | 5.00         | 4.18 | 0.3693275       | 0.3090835 |         | -16.3          | 30        |
| 1,1,1-Trichloroethane                             | A    | 5.00         | 5.22 | 0.5075792       | 0.5302291 |         | 4.5            | 30        |
| 1,1,2-Trichloroethane                             | A    | 5.00         | 5.70 | 0.309655        | 0.3531157 |         | 14.0           | 30        |
| Trichloroethylene                                 | A    | 5.00         | 5.06 | 0.3356598       | 0.3393578 |         | 1.1            | 30        |
| Trichlorofluoromethane (Freon 11)                 | A    | 5.00         | 5.49 | 1.816743        | 1.994418  |         | 9.8            | 30        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | A    | 5.00         | 5.55 | 1.436582        | 1.594786  |         | 11.0           | 30        |
| 1,2,4-Trimethylbenzene                            | A    | 5.00         | 5.37 | 1.021302        | 1.096315  |         | 7.3            | 30        |
| 1,3,5-Trimethylbenzene                            | A    | 5.00         | 5.40 | 1.055296        | 1.140365  |         | 8.1            | 30        |
| Vinyl Acetate                                     | A    | 5.00         | 6.29 | 1.463541        | 1.840887  |         | 25.8           | 30        |
| Vinyl Chloride                                    | A    | 5.00         | 5.67 | 0.7105757       | 0.8060232 |         | 13.4           | 30        |
| m&p-Xylene                                        | A    | 10.0         | 11.2 | 0.9711506       | 1.083665  |         | 11.6           | 30        |
| o-Xylene                                          | A    | 5.00         | 5.51 | 0.9550518       | 1.053206  |         | 10.3           | 30        |

# Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

\* Values outside of QC limits

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**CERTIFICATIONS**
**Certified Analyses included in this Report**

| Analyte                                            | Certifications    |
|----------------------------------------------------|-------------------|
| <b><i>EPA TO-15 in Air</i></b>                     |                   |
| Acetone                                            | NY,ME,NH          |
| Benzene                                            | FL,NJ,NY,ME,NH,VA |
| Benzyl chloride                                    | FL,NJ,NY,ME,NH,VA |
| Bromodichloromethane                               | NJ,NY,ME,NH,VA    |
| Bromoform                                          | NJ,NY,ME,NH,VA    |
| Bromomethane                                       | FL,NJ,NY,ME,NH    |
| 1,3-Butadiene                                      | NJ,NY,ME,NH,VA    |
| 2-Butanone (MEK)                                   | FL,NJ,NY,ME,NH,VA |
| Carbon Disulfide                                   | NJ,NY,ME,NH,VA    |
| Carbon Tetrachloride                               | FL,NJ,NY,ME,NH,VA |
| Chlorobenzene                                      | FL,NJ,NY,ME,NH,VA |
| Chloroethane                                       | FL,NJ,NY,ME,NH,VA |
| Chloroform                                         | FL,NJ,NY,ME,NH,VA |
| Chloromethane                                      | FL,NJ,NY,ME,NH,VA |
| Cyclohexane                                        | NJ,NY,ME,NH,VA    |
| Dibromochloromethane                               | NY,ME,NH          |
| 1,2-Dibromoethane (EDB)                            | NJ,NY,ME,NH       |
| 1,2-Dichlorobenzene                                | FL,NJ,NY,ME,NH,VA |
| 1,3-Dichlorobenzene                                | NJ,NY,ME,NH       |
| 1,4-Dichlorobenzene                                | FL,NJ,NY,ME,NH,VA |
| Dichlorodifluoromethane (Freon 12)                 | NY,ME,NH          |
| 1,1-Dichloroethane                                 | FL,NJ,NY,ME,NH,VA |
| 1,2-Dichloroethane                                 | FL,NJ,NY,ME,NH,VA |
| 1,1-Dichloroethylene                               | FL,NJ,NY,ME,NH,VA |
| cis-1,2-Dichloroethylene                           | FL,NY,ME,NH,VA    |
| trans-1,2-Dichloroethylene                         | NJ,NY,ME,NH,VA    |
| 1,2-Dichloropropane                                | FL,NJ,NY,ME,NH,VA |
| cis-1,3-Dichloropropene                            | FL,NJ,NY,ME,NH,VA |
| trans-1,3-Dichloropropene                          | NY,ME,NH          |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | NJ,NY,ME,NH,VA    |
| 1,4-Dioxane                                        | NJ,NY,ME,NH,VA    |
| Ethylbenzene                                       | FL,NJ,NY,ME,NH,VA |
| Heptane                                            | NJ,NY,ME,NH,VA    |
| Hexachlorobutadiene                                | NJ,NY,ME,NH,VA    |
| Hexane                                             | FL,NJ,NY,ME,NH,VA |
| Isopropanol                                        | NY,ME,NH          |
| Methyl tert-Butyl Ether (MTBE)                     | FL,NJ,NY,ME,NH,VA |
| Methylene Chloride                                 | FL,NJ,NY,ME,NH,VA |
| 4-Methyl-2-pentanone (MIBK)                        | FL,NJ,NY,ME,NH    |
| Naphthalene                                        | NY,ME,NH          |
| Styrene                                            | FL,NJ,NY,ME,NH,VA |
| 1,1,2,2-Tetrachloroethane                          | FL,NJ,NY,ME,NH,VA |
| Tetrachloroethylene                                | FL,NJ,NY,ME,NH,VA |
| Toluene                                            | FL,NJ,NY,ME,NH,VA |
| 1,2,4-Trichlorobenzene                             | NJ,NY,ME,NH,VA    |
| 1,1,1-Trichloroethane                              | FL,NJ,NY,ME,NH,VA |
| 1,1,2-Trichloroethane                              | FL,NJ,NY,ME,NH,VA |



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**CERTIFICATIONS**
**Certified Analyses included in this Report**

| Analyte                                           | Certifications    |
|---------------------------------------------------|-------------------|
| <b><i>EPA TO-15 in Air</i></b>                    |                   |
| Trichloroethylene                                 | FL,NJ,NY,ME,NH,VA |
| Trichlorofluoromethane (Freon 11)                 | NY,ME,NH          |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | NJ,NY,ME,NH,VA    |
| 1,2,4-Trimethylbenzene                            | NJ,NY,ME,NH       |
| 1,3,5-Trimethylbenzene                            | NJ,NY,ME,NH       |
| Vinyl Acetate                                     | FL,NJ,NY,ME,NH,VA |
| Vinyl Chloride                                    | FL,NJ,NY,ME,NH,VA |
| m&p-Xylene                                        | FL,NJ,NY,ME,NH,VA |
| o-Xylene                                          | FL,NJ,NY,ME,NH,VA |

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

| Code | Description                         | Number        | Expires    |
|------|-------------------------------------|---------------|------------|
| NY   | New York State Department of Health | 10899 NELAP   | 04/1/2024  |
| NH   | New Hampshire Environmental Lab     | 2516 NELAP    | 02/5/2024  |
| NJ   | New Jersey DEP                      | MA007 NELAP   | 06/30/2024 |
| FL   | Florida Department of Health        | E871027 NELAP | 06/30/2024 |
| ME   | State of Maine                      | MA00100       | 06/9/2025  |
| VA   | Commonwealth of Virginia            | 460217        | 12/14/2024 |



|                                                                                   |                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
|  | <b>DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist</b> |
|                                                                                   | <b>Effective Date: 07/13/2023</b>                                      |

## Log In Back-Sheet

Client EnviroTRAC  
 Project Frost St. OUI  
 MCP/RCP Required \_\_\_\_\_  
 Deliverable Package Requirement \_\_\_\_\_  
 Location Westbury, NY  
 PWSID# (When Applicable) \_\_\_\_\_  
 Arrival Method COURIER  
 Received By / Date / Time KMC 11/23/24 0910  
 Back-Sheet By / Date / Time KMC 11/23/24 0945  
 Temperature Method \_\_\_\_\_ # \_\_\_\_\_  
 Temp  $\leq 6^{\circ}\text{C}$  \_\_\_\_\_ Actual Temperature \_\_\_\_\_  
 Rush Samples: Yes / No \_\_\_\_\_ Notify \_\_\_\_\_  
 Short Hold: Yes / No \_\_\_\_\_ Notify \_\_\_\_\_

### Notes regarding Samples/COC outside of SOP:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)  
 Any False statement will be brought to the attention of the Client – True or False

|                                      | True                                | False                               |
|--------------------------------------|-------------------------------------|-------------------------------------|
| Received on Ice                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Received in Cooler                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Custody Seal: DATE _____ TIME _____  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| COC Relinquished                     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| COC/Samples Labels Agree             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Samples in Good Condition        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Samples Received within Holding Time | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Is there enough Volume               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Proper Media/Container Used          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Individually Certified Cans          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Trip Blanks                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| COC Legible                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒  
 Project ☒ IDs ☒ Collection Date/Time ☒

| Container   | # | Size | Regulator | Duration | Accessories |  |                  |  |
|-------------|---|------|-----------|----------|-------------|--|------------------|--|
| Summa Cans  | 2 | 3L   | 2         | 15min    | Nut/Ferrule |  | IC Train         |  |
| Tedlar Bags |   |      |           |          | Tubing      |  |                  |  |
| TO-17 Tubes |   |      |           |          | T-Connector |  | Shipping Charges |  |
| Radiello    |   |      |           |          | Syringe     |  |                  |  |
| Pufs/ TO-11 |   |      |           |          | Tedlar      |  |                  |  |

| Can #'s      |      |   |    |    | Regs #'s     |      |   |    |    |
|--------------|------|---|----|----|--------------|------|---|----|----|
| 1            | 2723 | 6 | 11 | 16 | 1            | 4574 | 6 | 11 | 16 |
| 2            | 2577 | 7 | 12 | 17 | 2            | 4573 | 7 | 12 | 17 |
| 3            |      | 8 | 13 | 18 | 3            |      | 8 | 13 | 18 |
| 4            |      | 9 | 14 | 19 | 4            |      | 9 | 14 | 19 |
| Unused Media |      |   |    |    | Pufs/TO-17's |      |   |    |    |
| 1            |      | 5 | 10 | 15 | 1            |      | 6 | 11 | 16 |
| 2            |      | 6 | 11 | 16 | 2            |      | 7 | 12 | 17 |
| 3            |      | 7 | 12 | 17 | 3            |      | 8 | 13 | 18 |
| 4            |      | 8 | 13 | 18 | 4            |      | 9 | 14 | 19 |

Qualtrax ID: 127034

Page 1 of 1

**Appendix C**  
**AS/SVE System Water Sample**  
**Laboratory Analytical Results**



Monday, February 05, 2024

Attn: James Wilkinson  
EnviroTrac  
5 Old Dock Rd  
Yaphank, NY 11980

Project ID: FROST ST OUI  
SDG ID: GCP97772  
Sample ID#s: CP97772 - CP97773

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

February 05, 2024

SDG I.D.: GCP97772

Project ID: FROST ST OUI

---

| Client Id           | Lab Id  | Matrix       |
|---------------------|---------|--------------|
| SVE DISCHARGE WATER | CP97772 | GROUND WATER |
| TRIP BLANK          | CP97773 | GROUND WATER |



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

February 05, 2024

FOR: Attn: James Wilkinson  
EnviroTrac  
5 Old Dock Rd  
Yaphank, NY 11980

## Sample Information

Matrix: GROUND WATER  
Location Code: ENVIOTR  
Rush Request: Standard  
P.O.#:

## Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

## Date

01/31/24  
01/31/24

## Time

10:30  
16:55

## Laboratory Data

SDG ID: GCP97772  
Phoenix ID: CP97772

Project ID: FROST ST OUI  
Client ID: SVE DISCHARGE WATER

| Parameter              | Result    | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time      | By  | Reference    |
|------------------------|-----------|------------|-------------|-------|----------|----------------|-----|--------------|
| Cadmium                | < 0.001   | 0.001      |             | mg/L  | 1        | 02/02/24       | TH  | SW6010D      |
| Chromium               | < 0.001   | 0.001      |             | mg/L  | 1        | 02/02/24       | TH  | SW6010D      |
| Copper                 | 0.040     | 0.005      |             | mg/L  | 1        | 02/02/24       | TH  | SW6010D      |
| Iron                   | 0.231     | 0.010      |             | mg/L  | 1        | 02/02/24       | TH  | SW6010D      |
| Nickel                 | < 0.001   | 0.001      |             | mg/L  | 1        | 02/02/24       | TH  | SW6010D      |
| Zinc                   | 0.014     | 0.004      |             | mg/L  | 1        | 02/02/24       | TH  | SW6010D      |
| Chromium, Hexavalent   | < 0.01    | 0.01       |             | mg/L  | 1        | 01/31/24 23:20 | GW  | SM3500CRB-11 |
| PCB Extraction         | Completed |            |             |       |          | 01/31/24       | P/P | E608.3       |
| Total Metals Digestion | Completed |            |             |       |          | 02/01/24       | AG  | SW3010A      |

## Polychlorinated Biphenyls

|          |    |       |       |      |   |          |    |        |   |
|----------|----|-------|-------|------|---|----------|----|--------|---|
| PCB-1016 | ND | 0.047 | 0.047 | ug/L | 1 | 02/01/24 | SC | E608.3 |   |
| PCB-1221 | ND | 0.047 | 0.047 | ug/L | 1 | 02/01/24 | SC | E608.3 |   |
| PCB-1232 | ND | 0.047 | 0.047 | ug/L | 1 | 02/01/24 | SC | E608.3 |   |
| PCB-1242 | ND | 0.047 | 0.047 | ug/L | 1 | 02/01/24 | SC | E608.3 |   |
| PCB-1248 | ND | 0.047 | 0.047 | ug/L | 1 | 02/01/24 | SC | E608.3 |   |
| PCB-1254 | ND | 0.047 | 0.047 | ug/L | 1 | 02/01/24 | SC | E608.3 |   |
| PCB-1260 | ND | 0.047 | 0.047 | ug/L | 1 | 02/01/24 | SC | E608.3 |   |
| PCB-1262 | ND | 0.047 | 0.047 | ug/L | 1 | 02/01/24 | SC | E608.3 | 1 |
| PCB-1268 | ND | 0.047 | 0.047 | ug/L | 1 | 02/01/24 | SC | E608.3 | 1 |

## QA/QC Surrogates

|                       |    |  |   |   |          |    |            |
|-----------------------|----|--|---|---|----------|----|------------|
| % DCBP                | 80 |  | % | 1 | 02/01/24 | SC | 30 - 150 % |
| % DCBP (Confirmation) | 76 |  | % | 1 | 02/01/24 | SC | 30 - 150 % |
| % TCMX                | 80 |  | % | 1 | 02/01/24 | SC | 30 - 150 % |
| % TCMX (Confirmation) | 75 |  | % | 1 | 02/01/24 | SC | 30 - 150 % |

| Parameter                      | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| <b><u>Volatiles</u></b>        |        |            |             |       |          |           |    |            |
| 1,1,1-Trichloroethane          | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| 1,1,2,2-tetrachloroethane      | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| 1,1,2-Trichloroethane          | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| 1,1-Dichloroethane             | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| 1,1-Dichloroethene             | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| 1,2-Dichlorobenzene            | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| 1,2-Dichloroethane             | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| 1,2-Dichloropropane            | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| 1,3-Dichlorobenzene            | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| 1,4-Dichlorobenzene            | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Benzene                        | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Bromodichloromethane           | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Bromoform                      | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Bromomethane                   | 0.56   | 0.50       | 0.50        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Carbon disulfide               | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Carbon tetrachloride           | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Chlorobenzene                  | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Chloroethane                   | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Chloroform                     | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Chloromethane                  | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| cis-1,2-Dichloroethene         | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| cis-1,3-Dichloropropene        | ND     | 0.40       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Dibromochloromethane           | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Ethylbenzene                   | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Isopropylbenzene               | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| m&p-Xylene                     | ND     | 0.50       | 0.42        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Methyl tert-butyl ether (MTBE) | ND     | 1.0        | 0.50        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Methylene chloride             | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Naphthalene                    | ND     | 1.0        | 1.0         | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| o-Xylene                       | ND     | 0.50       | 0.45        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Tetrachloroethene              | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Toluene                        | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| trans-1,2-Dichloroethene       | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| trans-1,3-Dichloropropene      | ND     | 0.40       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Trichloroethene                | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Trichlorofluoromethane         | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| Vinyl chloride                 | ND     | 0.50       | 0.25        | ug/L  | 1        | 02/01/24  | MH | E624.1     |
| <b><u>QA/QC Surrogates</u></b> |        |            |             |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4       | 99     |            |             | %     | 1        | 02/01/24  | MH | 70 - 130 % |
| % Bromofluorobenzene           | 97     |            |             | %     | 1        | 02/01/24  | MH | 70 - 130 % |
| % Dibromofluoromethane         | 99     |            |             | %     | 1        | 02/01/24  | MH | 70 - 130 % |
| % Toluene-d8                   | 98     |            |             | %     | 1        | 02/01/24  | MH | 70 - 130 % |



Project ID: FROST ST OUI  
Client ID: SVE DISCHARGE WATER

Phoenix I.D.: CP97772

| Parameter | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference |
|-----------|--------|------------|-------------|-------|----------|-----------|----|-----------|
|-----------|--------|------------|-------------|-------|----------|-----------|----|-----------|

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

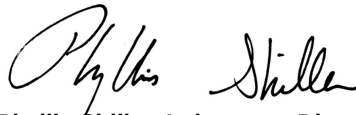
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

624 Analyses:

Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**February 05, 2024**

**Reviewed and Released by: Anil Makol, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
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# Analysis Report

February 05, 2024

FOR: Attn: James Wilkinson  
EnviroTrac  
5 Old Dock Rd  
Yaphank, NY 11980

## Sample Information

Matrix: GROUND WATER  
Location Code: ENVIOTR  
Rush Request: Standard  
P.O.#:

## Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

## Date

01/31/24  
01/31/24

## Time

10:30  
16:55

## Laboratory Data

SDG ID: GCP97772  
Phoenix ID: CP97773

Project ID: FROST ST OUI  
Client ID: TRIP BLANK

| Parameter                 | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference |
|---------------------------|--------|------------|-------------|-------|----------|-----------|----|-----------|
| <b>Volatiles</b>          |        |            |             |       |          |           |    |           |
| 1,1,1-Trichloroethane     | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| 1,1,2,2-tetrachloroethane | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| 1,1,2-Trichloroethane     | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| 1,1-Dichloroethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| 1,1-Dichloroethene        | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| 1,2-Dichlorobenzene       | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| 1,2-Dichloroethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| 1,2-Dichloropropane       | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| 1,3-Dichlorobenzene       | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| 1,4-Dichlorobenzene       | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Benzene                   | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Bromodichloromethane      | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Bromoform                 | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Bromomethane              | ND     | 0.50       | 0.50        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Carbon disulfide          | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Carbon tetrachloride      | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Chlorobenzene             | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Chloroethane              | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Chloroform                | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Chloromethane             | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| cis-1,2-Dichloroethene    | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| cis-1,3-Dichloropropene   | ND     | 0.40       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Dibromochloromethane      | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Ethylbenzene              | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| Isopropylbenzene          | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1    |
| m&p-Xylene                | ND     | 0.50       | 0.42        | ug/L  | 1        | 01/31/24  | MH | E624.1    |

| Parameter                      | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| Methyl tert-butyl ether (MTBE) | ND     | 1.0        | 0.50        | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| Methylene chloride             | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| Naphthalene                    | ND     | 1.0        | 1.0         | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| o-Xylene                       | ND     | 0.50       | 0.45        | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| Tetrachloroethene              | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| Toluene                        | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| trans-1,2-Dichloroethene       | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| trans-1,3-Dichloropropene      | ND     | 0.40       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| Trichloroethene                | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| Trichlorofluoromethane         | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| Vinyl chloride                 | ND     | 0.50       | 0.25        | ug/L  | 1        | 01/31/24  | MH | E624.1     |
| <b><u>QA/QC Surrogates</u></b> |        |            |             |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4       | 99     |            |             | %     | 1        | 01/31/24  | MH | 70 - 130 % |
| % Bromofluorobenzene           | 97     |            |             | %     | 1        | 01/31/24  | MH | 70 - 130 % |
| % Dibromofluoromethane         | 100    |            |             | %     | 1        | 01/31/24  | MH | 70 - 130 % |
| % Toluene-d8                   | 98     |            |             | %     | 1        | 01/31/24  | MH | 70 - 130 % |

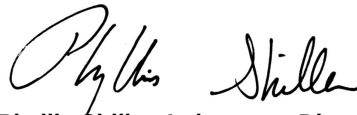
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

TRIP BLANK INCLUDED.

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**Phyllis Shiller, Laboratory Director**

**February 05, 2024**

**Reviewed and Released by: Anil Makol, Project Manager**



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102



## QA/QC Report

February 05, 2024

### QA/QC Data

SDG I.D.: GCP97772

| Parameter                                                  | Blank | Blk<br>RL | Sample<br>Result | Dup<br>Result | Dup<br>RPD | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|------------------------------------------------------------|-------|-----------|------------------|---------------|------------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 716648 (mg/L), QC Sample No: CP97772 (CP97772) |       |           |                  |               |            |          |           |            |         |          |           |                    |                    |
| <u>ICP Metals - Aqueous</u>                                |       |           |                  |               |            |          |           |            |         |          |           |                    |                    |
| Cadmium                                                    | BRL   | 0.001     | <0.001           | <0.001        | NC         | 99.3     | 97.3      | 2.0        | 99.8    |          |           | 80 - 120           | 20                 |
| Chromium                                                   | BRL   | 0.001     | <0.001           | <0.001        | NC         | 101      | 98.5      | 2.5        | 101     |          |           | 80 - 120           | 20                 |
| Copper                                                     | BRL   | 0.005     | 0.040            | 0.042         | 4.90       | 97.5     | 92.6      | 5.2        | 96.9    |          |           | 80 - 120           | 20                 |
| Iron                                                       | BRL   | 0.010     | 0.231            | 0.190         | 19.5       | 103      | 100       | 3.0        | 96.2    |          |           | 80 - 120           | 20                 |
| Nickel                                                     | BRL   | 0.001     | <0.001           | <0.001        | NC         | 102      | 99.2      | 2.8        | 102     |          |           | 80 - 120           | 20                 |
| Zinc                                                       | BRL   | 0.004     | 0.014            | 0.013         | NC         | 92.8     | 90.4      | 2.6        | 93.1    |          |           | 80 - 120           | 20                 |

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.



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## QA/QC Report

February 05, 2024

### QA/QC Data

SDG I.D.: GCP97772

| Parameter                                                                                                               | Blank | Blk<br>RL | Sample<br>Result | Dup<br>Result | Dup<br>RPD | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------------------|-------|-----------|------------------|---------------|------------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 716503 (mg/L), QC Sample No: CP97849 (CP97772)                                                              |       |           |                  |               |            |          |           |            |         |          |           |                    |                    |
| Chromium, Hexavalent                                                                                                    | BRL   | 0.01      | <0.01            | <0.01         | NC         | 93.0     |           |            | 91.8    |          |           | 90 - 110           | 20                 |
| Comment:                                                                                                                |       |           |                  |               |            |          |           |            |         |          |           |                    |                    |
| Additional Hexavalent Chromium criteria: LCS acceptance range for waters is 90-110% and MS acceptance range is 85-115%. |       |           |                  |               |            |          |           |            |         |          |           |                    |                    |



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## QA/QC Report

February 05, 2024

### QA/QC Data

SDG I.D.: GCP97772

| Parameter                                                  | Blank | Blk<br>RL | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|------------------------------------------------------------|-------|-----------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 716454 (ug/L), QC Sample No: CP97848 (CP97772) |       |           |          |           |            |         |          |           |                    |                    |
| <u>Polychlorinated Biphenyls - Ground Water</u>            |       |           |          |           |            |         |          |           |                    |                    |
| PCB-1016                                                   | ND    | 0.050     | 85       | 87        | 2.3        |         |          |           | 50 - 140           | 20                 |
| PCB-1221                                                   | ND    | 0.050     |          |           |            |         |          |           | 40 - 140           | 20                 |
| PCB-1232                                                   | ND    | 0.050     |          |           |            |         |          |           | 40 - 140           | 20                 |
| PCB-1242                                                   | ND    | 0.050     |          |           |            |         |          |           | 40 - 140           | 20                 |
| PCB-1248                                                   | ND    | 0.050     |          |           |            |         |          |           | 40 - 140           | 20                 |
| PCB-1254                                                   | ND    | 0.050     |          |           |            |         |          |           | 40 - 140           | 20                 |
| PCB-1260                                                   | ND    | 0.050     | 81       | 89        | 9.4        |         |          |           | 30 - 140           | 20                 |
| PCB-1262                                                   | ND    | 0.050     |          |           |            |         |          |           | 40 - 140           | 20                 |
| PCB-1268                                                   | ND    | 0.050     |          |           |            |         |          |           | 40 - 140           | 20                 |
| % DCBP (Surrogate Rec)                                     | 89    | %         | 81       | 80        | 1.2        |         |          |           | 30 - 150           | 20                 |
| % DCBP (Surrogate Rec) (Confirm)                           | 87    | %         | 76       | 76        | 0.0        |         |          |           | 30 - 150           | 20                 |
| % TCMX (Surrogate Rec)                                     | 82    | %         | 83       | 83        | 0.0        |         |          |           | 30 - 150           | 20                 |
| % TCMX (Surrogate Rec) (Confirm)                           | 76    | %         | 79       | 79        | 0.0        |         |          |           | 30 - 150           | 20                 |

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 716563 (ug/L), QC Sample No: CP98024 (CP97772, CP97773)

### Volatiles - Ground Water

|                           |    |      |     |     |      |     |     |      |          |    |
|---------------------------|----|------|-----|-----|------|-----|-----|------|----------|----|
| 1,1,1-Trichloroethane     | ND | 1.0  | 103 | 93  | 10.2 | 92  | 95  | 3.2  | 75 - 125 | 20 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 108 | 95  | 12.8 | 104 | 106 | 1.9  | 60 - 140 | 20 |
| 1,1,2-Trichloroethane     | ND | 1.0  | 108 | 96  | 11.8 | 101 | 103 | 2.0  | 71 - 129 | 20 |
| 1,1-Dichloroethane        | ND | 1.0  | 106 | 96  | 9.9  | 95  | 100 | 5.1  | 72 - 128 | 20 |
| 1,1-Dichloroethene        | ND | 1.0  | 98  | 91  | 7.4  | 88  | 93  | 5.5  | 50 - 150 | 20 |
| 1,2-Dichlorobenzene       | ND | 1.0  | 105 | 96  | 9.0  | 100 | 101 | 1.0  | 63 - 137 | 20 |
| 1,2-Dichloroethane        | ND | 1.0  | 105 | 93  | 12.1 | 101 | 100 | 1.0  | 68 - 132 | 20 |
| 1,2-Dichloropropane       | ND | 1.0  | 104 | 96  | 8.0  | 99  | 103 | 4.0  | 40 - 160 | 20 |
| 1,3-Dichlorobenzene       | ND | 1.0  | 107 | 95  | 11.9 | 100 | 102 | 2.0  | 73 - 127 | 20 |
| 1,4-Dichlorobenzene       | ND | 1.0  | 108 | 96  | 11.8 | 99  | 100 | 1.0  | 63 - 137 | 20 |
| Benzene                   | ND | 0.70 | 106 | 97  | 8.9  | 102 | 102 | 0.0  | 64 - 136 | 20 |
| Bromodichloromethane      | ND | 0.50 | 106 | 96  | 9.9  | 101 | 101 | 0.0  | 65 - 135 | 20 |
| Bromoform                 | ND | 1.0  | 107 | 90  | 17.3 | 92  | 96  | 4.3  | 71 - 129 | 20 |
| Bromomethane              | ND | 1.0  | 105 | 95  | 10.0 | 59  | 69  | 15.6 | 40 - 160 | 20 |
| Carbon Disulfide          | ND | 1.0  | 105 | 95  | 10.0 | 91  | 95  | 4.3  | 70 - 130 | 30 |
| Carbon tetrachloride      | ND | 1.0  | 98  | 88  | 10.8 | 89  | 92  | 3.3  | 73 - 127 | 20 |
| Chlorobenzene             | ND | 1.0  | 105 | 96  | 9.0  | 102 | 104 | 1.9  | 66 - 134 | 20 |
| Chloroethane              | ND | 1.0  | 110 | 100 | 9.5  | 97  | 99  | 2.0  | 40 - 160 | 20 |
| Chloroform                | ND | 1.0  | 105 | 93  | 12.1 | 92  | 97  | 5.3  | 67 - 133 | 20 |
| Chloromethane             | ND | 1.0  | 109 | 100 | 8.6  | 88  | 97  | 9.7  | 40 - 160 | 20 |
| cis-1,2-Dichloroethene    | ND | 1.0  | 103 | 95  | 8.1  | 92  | 102 | 10.3 | 69 - 131 | 20 |
| cis-1,3-Dichloropropene   | ND | 0.40 | 106 | 99  | 6.8  | 95  | 102 | 7.1  | 40 - 160 | 20 |
| Dibromochloromethane      | ND | 0.50 | 110 | 95  | 14.6 | 99  | 102 | 3.0  | 67 - 133 | 20 |

# QA/QC Data

SDG I.D.: GCP97772

| Parameter                   | Blank | Blk<br>RL | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|-----------------------------|-------|-----------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| Ethylbenzene                | ND    | 1.0       | 106      | 94        | 12.0       | 99      | 102      | 3.0       | 59 - 141           | 20                 |
| Isopropylbenzene            | ND    | 1.0       | 101      | 93        | 8.2        | 97      | 97       | 0.0       | 70 - 130           | 30                 |
| m&p-Xylene                  | ND    | 1.0       | 105      | 95        | 10.0       | 99      | 102      | 3.0       | 70 - 130           | 30                 |
| Methyl t-butyl ether (MTBE) | ND    | 1.0       | 107      | 94        | 12.9       | 96      | 99       | 3.1       | 70 - 130           | 30                 |
| Methylene chloride          | ND    | 1.0       | 102      | 92        | 10.3       | 93      | 94       | 1.1       | 60 - 140           | 20                 |
| Naphthalene                 | ND    | 1.0       | 112      | 99        | 12.3       | 107     | 110      | 2.8       | 70 - 130           | 30                 |
| o-Xylene                    | ND    | 1.0       | 102      | 92        | 10.3       | 98      | 101      | 3.0       | 70 - 130           | 30                 |
| Tetrachloroethene           | ND    | 1.0       | 104      | 93        | 11.2       | 95      | 97       | 2.1       | 73 - 127           | 20                 |
| Toluene                     | ND    | 1.0       | 103      | 94        | 9.1        | 99      | 102      | 3.0       | 74 - 126           | 20                 |
| trans-1,2-Dichloroethene    | ND    | 1.0       | 102      | 92        | 10.3       | 92      | 98       | 6.3       | 69 - 131           | 20                 |
| trans-1,3-Dichloropropene   | ND    | 0.40      | 108      | 96        | 11.8       | 96      | 100      | 4.1       | 50 - 150           | 20                 |
| Trichloroethene             | ND    | 1.0       | 105      | 98        | 6.9        | 98      | 99       | 1.0       | 66 - 134           | 20                 |
| Trichlorofluoromethane      | ND    | 1.0       | 104      | 93        | 11.2       | 89      | 93       | 4.4       | 48 - 152           | 20                 |
| Vinyl chloride              | ND    | 1.0       | 106      | 98        | 7.8        | 92      | 96       | 4.3       | 40 - 160           | 20                 |
| % 1,2-dichlorobenzene-d4    | 101   | %         | 100      | 100       | 0.0        | 100     | 100      | 0.0       | 70 - 130           | 30                 |
| % Bromofluorobenzene        | 97    | %         | 98       | 98        | 0.0        | 98      | 98       | 0.0       | 70 - 130           | 30                 |
| % Dibromofluoromethane      | 101   | %         | 102      | 99        | 3.0        | 100     | 96       | 4.1       | 70 - 130           | 30                 |
| % Toluene-d8                | 98    | %         | 99       | 101       | 2.0        | 99      | 101      | 2.0       | 70 - 130           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director  
February 05, 2024

Monday, February 05, 2024

Criteria: None  
State: NY

Sample Criteria Exceedances Report  
GCP97772 - ENVIROTR

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL<br>Criteria | Analysis<br>Units |
|--------|-------|-----------------|----------|--------|----|----------|----------------|-------------------|
|--------|-------|-----------------|----------|--------|----|----------|----------------|-------------------|

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Comments

February 05, 2024

SDG I.D.: GCP97772

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The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

### **PCB 608 Narration**

**AU-ECD1 02/01/24-1:** CP97772

The following Initial Calibration compounds did not meet RSD% criteria: PCB 1016 16% (15%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: PCB 1016 16% (15%)



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# **NY Temperature Narration**

**February 05, 2024**

**SDG I.D.: GCP97772**

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The samples in this delivery group were received at 1.6°C.  
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



**PHOENIX**  
Environmental Laboratories, Inc.

Bobbi Aloisa

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From: Bobbi Aloisa  
Sent: Thursday, February 01, 2024 1:50 PM  
To: James Wilkinson, PE; Bobbi Aloisa  
Subject: 624  
Attachments: GCP97772-ChainofCustody-1.pdf

Hi James

We can't report the following compounds on the chain attached for the sample that required 624 because we did not receive 2 "as is" vials in addition to the HCL for the sample that is being requested for 624 VOC's. We need 2 "as is" vials and 3 "hcl" vials when running samples for method 624. If these compounds are not constituents of concern then it might not be a problem. Please see below

624 Analyses:

Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial

Please LMK if you have any questions

Bobbi

**Bobbi Aloisa**

Vice President | Director of Client Services

**Phoenix Environmental Laboratories, Inc.**

587 East Middle Turnpike | Manchester, CT 06040

Direct Line: (860)-645-8728

[www.phoenixlabs.com](http://www.phoenixlabs.com)



| PHOENIX<br>Environmental Laboratories, Inc.                                                                                                                                                                               |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  | NY/NJ/PA CHAIN OF CUSTODY RECORD                                                                                                                                                            |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040<br>Email: Makrina.Nolan, makrina@phoenixlabs.com Fax (860) 645-0823<br>Client Services (860) 645-1102                                                        |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  | Templ. QC Pg 1 of 1<br>Contact Options:<br><input type="checkbox"/> Phone: _____<br><input type="checkbox"/> Fax: _____<br><input checked="" type="checkbox"/> Email: jgmesw@enviro-labs.ca |  |
| Customer: EnviroTrac                                                                                                                                                                                                      |                                                                           | Project: EUST ST OVI                                                                                                                                                                                                                                                                                                                   |               | This section MUST be completed with Bottle Quantities. |  |                                                                                                                                                                                             |  |
| Address: 5 Old Dock Rd<br>Tappan, NY 10980                                                                                                                                                                                |                                                                           | Report to: EnviroTrac                                                                                                                                                                                                                                                                                                                  |               |                                                        |  |                                                                                                                                                                                             |  |
|                                                                                                                                                                                                                           |                                                                           | Invoice to: EnviroTrac                                                                                                                                                                                                                                                                                                                 |               |                                                        |  |                                                                                                                                                                                             |  |
|                                                                                                                                                                                                                           |                                                                           | QUOTE # :                                                                                                                                                                                                                                                                                                                              |               |                                                        |  |                                                                                                                                                                                             |  |
| Client Sample - Information - Identification                                                                                                                                                                              |                                                                           | Analysis Request                                                                                                                                                                                                                                                                                                                       |               |                                                        |  |                                                                                                                                                                                             |  |
| Sampler's Signature                                                                                                                                                                                                       | Date: 1/31/24                                                             | (Key to Abbreviations)                                                                                                                                                                                                                                                                                                                 |               |                                                        |  |                                                                                                                                                                                             |  |
| Matrix Code:                                                                                                                                                                                                              | DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water OIL=Oil |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe B=Bulk L=Liquid                                                                                                                                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| PHOENIX USE ONLY                                                                                                                                                                                                          | Sample Matrix                                                             | Date Sampled                                                                                                                                                                                                                                                                                                                           | Time Sampled  |                                                        |  |                                                                                                                                                                                             |  |
| 97772                                                                                                                                                                                                                     | SUE DRAINAGE WATER                                                        | 1/31                                                                                                                                                                                                                                                                                                                                   | 10:30         |                                                        |  |                                                                                                                                                                                             |  |
| 97773                                                                                                                                                                                                                     | TAP BLANK                                                                 |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| Relinquished by: [Signature]                                                                                                                                                                                              |                                                                           | Accepted by: [Signature]                                                                                                                                                                                                                                                                                                               | Date: 1/31/24 | Time: 11:50                                            |  |                                                                                                                                                                                             |  |
| Comments, Special Requirements or Regulations:                                                                                                                                                                            |                                                                           | Data Format:<br><input type="checkbox"/> Phoenix Std Report <input type="checkbox"/> EQUIS<br><input checked="" type="checkbox"/> Excel <input type="checkbox"/> NJ Hazsite EDD<br><input checked="" type="checkbox"/> PDF <input type="checkbox"/> NY EZ EDD (ASP)<br><input type="checkbox"/> GIS/Key <input type="checkbox"/> Other |               |                                                        |  |                                                                                                                                                                                             |  |
| Turnaround:                                                                                                                                                                                                               |                                                                           | Data Package:                                                                                                                                                                                                                                                                                                                          |               |                                                        |  |                                                                                                                                                                                             |  |
| <input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input type="checkbox"/> 4 Days* <input type="checkbox"/> 5 Days* <input type="checkbox"/> Standard * SURCHARGE APPLIES |                                                                           | <input type="checkbox"/> NJ Reduced Deliv.* <input type="checkbox"/> Other                                                                                                                                                                                                                                                             |               |                                                        |  |                                                                                                                                                                                             |  |
| Res. Criteria <input type="checkbox"/>                                                                                                                                                                                    |                                                                           | Impact to GW Soil Cleanup Criteria <input type="checkbox"/>                                                                                                                                                                                                                                                                            |               |                                                        |  |                                                                                                                                                                                             |  |
| Non-Res. Criteria <input type="checkbox"/>                                                                                                                                                                                |                                                                           | Impact to GW soil screen Criteria <input type="checkbox"/>                                                                                                                                                                                                                                                                             |               |                                                        |  |                                                                                                                                                                                             |  |
| TOGS GW <input type="checkbox"/>                                                                                                                                                                                          |                                                                           | GW Criteria <input type="checkbox"/>                                                                                                                                                                                                                                                                                                   |               |                                                        |  |                                                                                                                                                                                             |  |
| CF-51 SOIL <input type="checkbox"/>                                                                                                                                                                                       |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| 375SSCO <input type="checkbox"/>                                                                                                                                                                                          |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| Unrestricted Soil <input type="checkbox"/>                                                                                                                                                                                |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| 375SSCO <input type="checkbox"/>                                                                                                                                                                                          |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| Residential Soil <input type="checkbox"/>                                                                                                                                                                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| 375SSCO <input type="checkbox"/>                                                                                                                                                                                          |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| Restricted Soil <input type="checkbox"/>                                                                                                                                                                                  |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| 375SSCO <input type="checkbox"/>                                                                                                                                                                                          |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| Commercial Soil <input type="checkbox"/>                                                                                                                                                                                  |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| Industrial Soil <input type="checkbox"/>                                                                                                                                                                                  |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| Subpart 5 DW <input type="checkbox"/>                                                                                                                                                                                     |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| Clean Fill Limits <input type="checkbox"/>                                                                                                                                                                                |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| PA-GW <input type="checkbox"/>                                                                                                                                                                                            |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| Reg Fill Limits <input type="checkbox"/>                                                                                                                                                                                  |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| PA Soil Restricted <input type="checkbox"/>                                                                                                                                                                               |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| PA Soil non-restricted <input type="checkbox"/>                                                                                                                                                                           |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |
| State Samples Collected? <input checked="" type="checkbox"/>                                                                                                                                                              |                                                                           |                                                                                                                                                                                                                                                                                                                                        |               |                                                        |  |                                                                                                                                                                                             |  |