

*Via email to [rob.decandia@dec.ny.gov](mailto:rob.decandia@dec.ny.gov)*

October 10, 2018

Mr. Robert D. DeCandia Jr. P.E  
NYSDEC, Division of Environmental Remediation  
Division of Environmental Remediation  
625 Broadway  
Albany, New York 12233-7015

Re: Progress Report: September 2018  
Frost Street Sites: Site ID #s 1-30043 I, L, M  
New Cassel Industrial Area, Westbury, New York

Dear Mr. DeCandia:

EnSafe Inc. is pleased to submit this Progress Report for the Frost Street Sites (Site ID #s 1-30043 I, L, M) for work completed in September 2018.

**Soil Vapor Extraction (SVE)/Air Sparge (AS) System Operation and Maintenance (O&M) (OU1)**

- Operations continued this month, per the O&M Manual. During periodic O&M visits, system parameters were logged on dedicated O&M forms (**Appendix A**).
- The Frost Street Parties submitted a proposal for system reconfiguration/optimization to support site redevelopment efforts on September 27, 2018.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on September 13, 2018, using Summa canisters. These samples were obtained by EnviroTrac, submitted to Phoenix Environmental Laboratories, and analyzed by Method TO-15. Results are included in **Appendix B**.
  - o Photoionization detector readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, and vinyl chloride [16,684 µg/m<sup>3</sup>]) continue to indicate significant mass extraction.
  - o Effluent concentrations are well below the allowable limits, as shown in the table below.

| Frost Street Sites<br>Effluent Compliance |                                             |                                                                      |                                                                  |
|-------------------------------------------|---------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------|
| System Flow Rate =                        |                                             | 800                                                                  | ft <sup>3</sup> /m                                               |
| Compound                                  | Annual Mass<br>Emission Limit<br>(lbs/year) | Allowable Continuous<br>Annual Concentration<br>(µg/m <sup>3</sup> ) | September 2018<br>Effluent Concentration<br>(µg/m <sup>3</sup> ) |
| Trichloroethene                           | 500                                         | 19,000                                                               | ND                                                               |
| Tetrachloroethene                         | 1,000                                       | 38,000                                                               | ND                                                               |
| Vinyl Chloride                            | 100                                         | 3,800                                                                | ND                                                               |
| Cis-1,2-Dichloroethene                    | 100                                         | 3,800                                                                | 366                                                              |

**Notes:**

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

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

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.

**Groundwater Extraction/Hydraulic Containment System Installation (OU2)**

Currently, the pumps in EX-1B, EX-1C, and EX-1D are operating at design flow rates. The pump in EX-1A malfunctioned in August; the repair and/or replacement of this pump will be determined pending NYSDEC approval of the *Expanded Pumping Test Summary, Findings, and Recommendations*, submitted on August 10, 2018.

**Groundwater Monitoring**

- The second quarter 2018 groundwater sampling report was submitted to NYSDEC on September 21, 2018.
- The third quarter 2018 groundwater sampling event was performed the week of September 24, 2018; this sampling event included collection of quarterly samples for routine VOC analysis as well as emerging contaminant analysis from select wells in accordance with the NYSDEC approved work plan. Results will be submitting in a forthcoming report, when available.

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 <a href="mailto:amtamuno@gw.dec.state.ny.us">amtamuno@gw.dec.state.ny.us</a></i>           |
| C. Bethoney, NYSDOH             | <i>Via email to <a href="mailto:charlotte.bethoney@health.ny.gov">charlotte.bethoney@health.ny.gov</a></i> |
| J. Nealon, NYSDOH               | <i>Via email to <a href="mailto:jacquelyn.nealon@health.ny.gov">jacquelyn.nealon@health.ny.gov</a></i>     |
| R. Putnam, NCDOH                | <i>Via email to <a href="mailto:rputnam@nassaucountyny.gov">rputnam@nassaucountyny.gov</a></i>             |
| T. Mongelli, U.S. EPA           | <i>Via email to <a href="mailto:Mongelli.Thomas@epa.gov">Mongelli.Thomas@epa.gov</a></i>                   |
| T. Pupilla, Sanders Equities    | <i>Via email to <a href="mailto:tpupilla@sandersequities.com">tpupilla@sandersequities.com</a></i>         |
| K. Maldonado, Esq.              | <i>Via email to <a href="mailto:kevinmaldonado64@yahoo.com">kevinmaldonado64@yahoo.com</a></i>             |
| J. Privitera, Esq.              | <i>Via email to <a href="mailto:privitera@mltw.com">privitera@mltw.com</a></i>                             |
| P. Coop, EnSafe                 | <i>Via email to <a href="mailto:pcoop@ensafe.com">pcoop@ensafe.com</a></i>                                 |
| J. Wilkinson, Envirotrac        | <i>Via email to <a href="mailto:jamesw@envirotrac.com">jamesw@envirotrac.com</a></i>                       |

**Appendix A**  
**SVE/AS System O&M 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:** 7-Sep  
**Weather / Temp:** Sunny / 70 DEG  
**Technician / Operator:** JW

**Arrival Time:** 10:00  
**Departure Time:** 15:30

| System Status                             |                 |           |                                                  |          |                                 |          |          |           |     |
|-------------------------------------------|-----------------|-----------|--------------------------------------------------|----------|---------------------------------|----------|----------|-----------|-----|
|                                           | Arrival         | Departure |                                                  | Arrival  | Departure                       |          |          |           |     |
| SVE Blower 1 (ON/OFF)                     | OFF             | ON        | Sensaphone (ON/OFF)                              | ON       | ON                              |          |          |           |     |
| SVE Blower 2 (ON/OFF)                     | ON              | OFF       | Surge Protection (ON/OFF)                        | ON       | ON                              |          |          |           |     |
| AS Compressor 1 (ON/OFF)                  | OFF             | OFF       | Lightning Protection (White/Black)               | White    | White                           |          |          |           |     |
| AS Compressor 2 (ON/OFF)                  | ON              | ON        |                                                  |          |                                 |          |          |           |     |
| Soil Vapor Extraction System              |                 |           |                                                  |          |                                 |          |          |           |     |
| Blower Air Velocity/Flow Rate (fpm)/(cfm) | 4800            | 942       | Blower 1 Total Runtime (hrs)                     | 51,835.5 |                                 |          |          |           |     |
| Blower 1 Fresh Air Valve Open (%)         | 0               |           | Blower 2 Total Runtime (hrs)                     | 51,634.6 |                                 |          |          |           |     |
| Blower 2 Fresh Air Valve Open (%)         | 0               |           | Blower 1 Air Filter Differential Pressure ("H2O) | 0        |                                 |          |          |           |     |
| Moisture Separator Vacuum ("Hg)           | 3.5             |           | Blower 2 Air Filter Differential Pressure ("H2O) | 0        |                                 |          |          |           |     |
| VGAC-1 Influent Vacuum ("H2O)             | 43              |           | VGAC-1 Influent PID (ppm)                        | 2.7      |                                 |          |          |           |     |
| VGAC-1 Effluent Vacuum ("H2O)             | 45              |           | VGAC-1 Effluent PID (ppm)                        | 0.0      |                                 |          |          |           |     |
| VGAC-2 Influent Vacuum ("H2O)             | 40              |           | VGAC-2 Influent PID (ppm)                        | 2.7      |                                 |          |          |           |     |
| VGAC-2 Effluent Vacuum ("H2O)             | 45              |           | VGAC-2 Effluent PID (ppm)                        | 0.0      |                                 |          |          |           |     |
| VGAC-3 Influent Pressure ("H2O)           | 50              |           | VGAC-3 Influent PID (ppm)                        | 0.0      |                                 |          |          |           |     |
| VGAC-3 Effluent Pressure ("H2O)           | 60              |           | VGAC-3 Effluent PID (ppm)                        | 0.0      |                                 |          |          |           |     |
| VGAC-3 Influent Temp (DegF)               | NA              |           | Blower Effluent PID (ppm)                        | 0.0      |                                 |          |          |           |     |
| Blower Effluent Pressure ("H2O)           | 9               |           |                                                  |          |                                 |          |          |           |     |
| Transfer Pump Total Runtime (hrs)         | 25,033.0        |           | Condensate Storage Tank Level (gal)              | 0        |                                 |          |          |           |     |
| SVE Manifold Legs - Vacuum/Flow Rate/PID  |                 |           |                                                  |          |                                 |          |          |           |     |
|                                           | Vacuum          | Velocity  | Flow Rate                                        | PID      |                                 | Vacuum   | Velocity | Flow Rate | PID |
| SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)            | 47              | 7300      | 159                                              |          | SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)  | 39       | 4500     | 98        |     |
| SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)            | 49              | 4500      | 98                                               |          | SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)  | 40       | 3400     | 74        |     |
| SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)            | 40              | 5200      | 113                                              |          | SVE-6B ("H2O)/(FPM)/(cfm)/(ppm) | 39       | 6500     | 142       |     |
| SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)           | 40              | 4500      | 98                                               |          | SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)  | 42       | 3400     | 74        |     |
| Air Sparge System                         |                 |           |                                                  |          |                                 |          |          |           |     |
| Compressor 1 Pressure (psi)               | Off for repairs |           |                                                  |          | Compressor 2 Pressure (psi)     | 94       |          |           |     |
| Compressor 1 Temperature (degF)           | Off for repairs |           |                                                  |          | Compressor 2 Temperature (degF) | 195      |          |           |     |
| Compressor 1 Runtime (hrs)                | 27,317          |           |                                                  |          | Compressor 2 Runtime (hrs)      | 29,029   |          |           |     |
| Manifold Regulator Pressure (psi)         | 75              |           |                                                  |          |                                 |          |          |           |     |
| AS Manifold Legs - Pressure/Flow Rate     |                 |           |                                                  |          |                                 |          |          |           |     |
|                                           | Pressure        |           | Flow Rate                                        |          |                                 | Pressure |          | Flow Rate |     |
| AS-1 (psi)/(cfm)                          | 15              |           | 10                                               |          | AS-11 (psi)/(cfm)               | 13       |          | 4         |     |
| AS-2 (psi)/(cfm)                          | 15              |           | 5                                                |          | AS-12B (psi)/(cfm)              | 14       |          | 8         |     |
| AS-3 (psi)/(cfm)                          | 13              |           | 5                                                |          | AS-13B (psi)/(cfm)              | 13       |          | 9         |     |
| AS-4 (psi)/(cfm)                          | 13              |           | 7                                                |          | AS-14 (psi)/(cfm)               | 14       |          | 10        |     |
| AS-5 (psi)/(cfm)                          | 15              |           | 5                                                |          | AS-15 (psi)/(cfm)               | 13       |          | 9         |     |
| AS-6 (psi)/(cfm)                          | 14              |           | 6                                                |          | AS-16B (psi)/(cfm)              | 13       |          | 9         |     |
| AS-7 (psi)/(cfm)                          | 14              |           | 4                                                |          | AS-17 (psi)/(cfm)               | 14       |          | 4         |     |
| AS-8 (psi)/(cfm)                          | 14              |           | 9                                                |          | AS-18 (psi)/(cfm)               | 12       |          | 5         |     |
| AS-9 (psi)/(cfm)                          | 14              |           | 6                                                |          | AS-19 (psi)/(cfm)               | 13       |          | 4         |     |
| AS-10B (psi)/(cfm)                        | 13              |           | 10                                               |          |                                 |          |          |           |     |

**Notes, Comments & Observations:**

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**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: 13-Sep  
 Weather / Temp: Cloudy / 70 DEG  
 Technician / Operator: JW

Arrival Time: 9:30  
 Departure Time: 9:45

| System Status                            |                 |           |                                                  |          |                                 |          |          |           |     |
|------------------------------------------|-----------------|-----------|--------------------------------------------------|----------|---------------------------------|----------|----------|-----------|-----|
|                                          | Arrival         | Departure |                                                  | Arrival  | Departure                       |          |          |           |     |
| SVE Blower 1 (ON/OFF)                    | OFF             | ON        | Sensaphone (ON/OFF)                              | ON       | ON                              |          |          |           |     |
| SVE Blower 2 (ON/OFF)                    | ON              | OFF       | Surge Protection (ON/OFF)                        | ON       | ON                              |          |          |           |     |
| AS Compressor 1 (ON/OFF)                 | OFF             | OFF       | Lightning Protection (White/Black)               | White    | White                           |          |          |           |     |
| AS Compressor 2 (ON/OFF)                 | ON              | ON        |                                                  |          |                                 |          |          |           |     |
| Soil Vapor Extraction System             |                 |           |                                                  |          |                                 |          |          |           |     |
| Blower Air Velocity/Flow Rate (fpm)/cfm) | 4700            | 923       | Blower 1 Total Runtime (hrs)                     | 51,907.5 |                                 |          |          |           |     |
| Blower 1 Fresh Air Valve Open (%)        | 0               |           | Blower 2 Total Runtime (hrs)                     | 51,702.0 |                                 |          |          |           |     |
| Blower 2 Fresh Air Valve Open (%)        | 0               |           | Blower 1 Air Filter Differential Pressure ("H2O) | 0        |                                 |          |          |           |     |
| Moisture Separator Vacuum ("Hg)          | 3.5             |           | Blower 2 Air Filter Differential Pressure ("H2O) | 0        |                                 |          |          |           |     |
| VGAC-1 Influent Vacuum ("H2O)            | 43              |           | VGAC-1 Influent PID (ppm)                        | 1.5      |                                 |          |          |           |     |
| VGAC-1 Effluent Vacuum ("H2O)            | 45              |           | VGAC-1 Effluent PID (ppm)                        | 0.0      |                                 |          |          |           |     |
| VGAC-2 Influent Vacuum ("H2O)            | 40              |           | VGAC-2 Influent PID (ppm)                        | 1.5      |                                 |          |          |           |     |
| VGAC-2 Effluent Vacuum ("H2O)            | 45              |           | VGAC-2 Effluent PID (ppm)                        | 0.0      |                                 |          |          |           |     |
| VGAC-3 Influent Pressure ("H2O)          | 50              |           | VGAC-3 Influent PID (ppm)                        | 0.0      |                                 |          |          |           |     |
| VGAC-3 Effluent Pressure ("H2O)          | 60              |           | VGAC-3 Effluent PID (ppm)                        | 0.0      |                                 |          |          |           |     |
| VGAC-3 Influent Temp (DegF)              | NA              |           | Blower Effluent PID (ppm)                        | 0.0      |                                 |          |          |           |     |
| Blower Effluent Pressure ("H2O)          | 9               |           |                                                  |          |                                 |          |          |           |     |
| Transfer Pump Total Runtime (hrs)        | 25,033.0        |           | Condensate Storage Tank Level (gal)              | 0        |                                 |          |          |           |     |
| SVE Manifold Legs - Vacuum/Flow Rate/PID |                 |           |                                                  |          |                                 |          |          |           |     |
|                                          | Vacuum          | Velocity  | Flow Rate                                        | PID      |                                 | Vacuum   | Velocity | Flow Rate | PID |
| SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)           | 44              | 7000      | 153                                              | 3.0      | SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)  | 36       | 4300     | 94        | 0.0 |
| SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)           | 47              | 4500      | 98                                               | 0.0      | SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)  | 38       | 3000     | 65        | 0.0 |
| SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)           | 38              | 5000      | 109                                              | 0.0      | SVE-6B ("H2O)/(FPM)/(cfm)/(ppm) | 38       | 6000     | 131       | 5.2 |
| SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)          | 37              | 4300      | 94                                               | 0.0      | SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)  | 40       | 3100     | 68        | 0.0 |
| Air Sparge System                        |                 |           |                                                  |          |                                 |          |          |           |     |
| Compressor 1 Pressure (psi)              | Off for repairs |           |                                                  |          | Compressor 2 Pressure (psi)     | 95       |          |           |     |
| Compressor 1 Temperature (degF)          | Off for repairs |           |                                                  |          | Compressor 2 Temperature (degF) | 193      |          |           |     |
| Compressor 1 Runtime (hrs)               | 27,317          |           |                                                  |          | Compressor 2 Runtime (hrs)      | 29,169   |          |           |     |
| Manifold Regulator Pressure (psi)        | 75              |           |                                                  |          |                                 |          |          |           |     |
| AS Manifold Legs - Pressure/Flow Rate    |                 |           |                                                  |          |                                 |          |          |           |     |
|                                          | Pressure        |           | Flow Rate                                        |          |                                 | Pressure |          | Flow Rate |     |
| AS-1 (psi)/cfm)                          | 15              |           | 10                                               |          | AS-11 (psi)/cfm)                | 14       |          | 4         |     |
| AS-2 (psi)/cfm)                          | 15              |           | 6                                                |          | AS-12B (psi)/cfm)               | 14       |          | 8         |     |
| AS-3 (psi)/cfm)                          | 13              |           | 5                                                |          | AS-13B (psi)/cfm)               | 13       |          | 10        |     |
| AS-4 (psi)/cfm)                          | 13              |           | 8                                                |          | AS-14 (psi)/cfm)                | 14       |          | 9         |     |
| AS-5 (psi)/cfm)                          | 15              |           | 6                                                |          | AS-15 (psi)/cfm)                | 14       |          | 10        |     |
| AS-6 (psi)/cfm)                          | 15              |           | 6                                                |          | AS-16B (psi)/cfm)               | 13       |          | 9         |     |
| AS-7 (psi)/cfm)                          | 14              |           | 9                                                |          | AS-17 (psi)/cfm)                | 14       |          | 4         |     |
| AS-8 (psi)/cfm)                          | 14              |           | 9                                                |          | AS-18 (psi)/cfm)                | 13       |          | 5         |     |
| AS-9 (psi)/cfm)                          | 14              |           | 6                                                |          | AS-19 (psi)/cfm)                | 13       |          | 4         |     |
| AS-10B (psi)/cfm)                        | 13              |           | 10                                               |          |                                 |          |          |           |     |

Notes, Comments & Observations:

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**Operation & Maintenance Data Sheet**  
Ensae-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: 21-Sep  
Weather / Temp: Clear / 70 DEG  
Technician / Operator: JW

Arrival Time: 9:30  
Departure Time: 10:00

| System Status                             |                 |           |           |     |                                                  |          |           |           |     |
|-------------------------------------------|-----------------|-----------|-----------|-----|--------------------------------------------------|----------|-----------|-----------|-----|
|                                           | Arrival         |           | Departure |     |                                                  | Arrival  |           | Departure |     |
| SVE Blower 1 (ON/OFF)                     | OFF             |           | ON        |     | Sensaphone (ON/OFF)                              | ON       |           | ON        |     |
| SVE Blower 2 (ON/OFF)                     | ON              |           | OFF       |     | Surge Protection (ON/OFF)                        | ON       |           | ON        |     |
| AS Compressor 1 (ON/OFF)                  | OFF             |           | OFF       |     | Lightning Protection (White/Black)               | White    |           | White     |     |
| AS Compressor 2 (ON/OFF)                  | OFF             |           | ON        |     |                                                  |          |           |           |     |
| Soil Vapor Extraction System              |                 |           |           |     |                                                  |          |           |           |     |
| Blower Air Velocity/Flow Rate (fpm)/(cfm) | 4700            |           | 923       |     | Blower 1 Total Runtime (hrs)                     | 52,003.6 |           |           |     |
| Blower 1 Fresh Air Valve Open (%)         | 0               |           |           |     | Blower 2 Total Runtime (hrs)                     | 51,798.2 |           |           |     |
| Blower 2 Fresh Air Valve Open (%)         | 0               |           |           |     | Blower 1 Air Filter Differential Pressure ("H2O) | 0        |           |           |     |
| Moisture Separator Vacuum ("Hg)           | 3.5             |           |           |     | Blower 2 Air Filter Differential Pressure ("H2O) | 0        |           |           |     |
| VGAC-1 Influent Vacuum ("H2O)             | 43              |           |           |     | VGAC-1 Influent PID (ppm)                        | 2.4      |           |           |     |
| VGAC-1 Effluent Vacuum ("H2O)             | 45              |           |           |     | VGAC-1 Effluent PID (ppm)                        | 0.0      |           |           |     |
| VGAC-2 Influent Vacuum ("H2O)             | 40              |           |           |     | VGAC-2 Influent PID (ppm)                        | 2.4      |           |           |     |
| VGAC-2 Effluent Vacuum ("H2O)             | 45              |           |           |     | VGAC-2 Effluent PID (ppm)                        | 0.0      |           |           |     |
| VGAC-3 Influent Pressure ("H2O)           | 50              |           |           |     | VGAC-3 Influent PID (ppm)                        | 0.0      |           |           |     |
| VGAC-3 Effluent Pressure ("H2O)           | 60              |           |           |     | VGAC-3 Effluent PID (ppm)                        | 0.0      |           |           |     |
| VGAC-3 Influent Temp (DegF)               | NA              |           |           |     | Blower Effluent PID (ppm)                        | 0.0      |           |           |     |
| Blower Effluent Pressure ("H2O)           | 9               |           |           |     |                                                  |          |           |           |     |
| Transfer Pump Total Runtime (hrs)         | 25,033.0        |           |           |     | Condensate Storage Tank Level (gal)              | 0        |           |           |     |
| SVE Manifold Legs - Vacuum/Flow Rate/PID  |                 |           |           |     |                                                  |          |           |           |     |
|                                           | Vacuum          | Velocity  | Flow Rate | PID |                                                  | Vacuum   | Velocity  | Flow Rate | PID |
| SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)            | 44              | 7000      | 153       |     | SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)                   | 36       | 4300      | 94        |     |
| SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)            | 45              | 4500      | 98        |     | SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)                   | 38       | 3000      | 65        |     |
| SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)            | 40              | 5000      | 109       |     | SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)                  | 38       | 6000      | 131       |     |
| SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)           | 40              | 4300      | 94        |     | SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)                   | 40       | 3100      | 68        |     |
| Air Sparge System                         |                 |           |           |     |                                                  |          |           |           |     |
| Compressor 1 Pressure (psi)               | Off for repairs |           |           |     | Compressor 2 Pressure (psi)                      | 93       |           |           |     |
| Compressor 1 Temperature (degF)           | Off for repairs |           |           |     | Compressor 2 Temperature (degF)                  | 172      |           |           |     |
| Compressor 1 Runtime (hrs)                | 27,317          |           |           |     | Compressor 2 Runtime (hrs)                       | 29,247   |           |           |     |
| Manifold Regulator Pressure (psi)         | 73              |           |           |     |                                                  |          |           |           |     |
| AS Manifold Legs - Pressure/Flow Rate     |                 |           |           |     |                                                  |          |           |           |     |
|                                           | Pressure        | Flow Rate |           |     |                                                  | Pressure | Flow Rate |           |     |
| AS-1 (psi)/(cfm)                          | 15              | 10        |           |     | AS-11 (psi)/(cfm)                                | 14       | 4         |           |     |
| AS-2 (psi)/(cfm)                          | 15              | 6         |           |     | AS-12B (psi)/(cfm)                               | 14       | 8         |           |     |
| AS-3 (psi)/(cfm)                          | 13              | 5         |           |     | AS-13B (psi)/(cfm)                               | 12       | 10        |           |     |
| AS-4 (psi)/(cfm)                          | 13              | 8         |           |     | AS-14 (psi)/(cfm)                                | 14       | 10        |           |     |
| AS-5 (psi)/(cfm)                          | 15              | 5         |           |     | AS-15 (psi)/(cfm)                                | 14       | 10        |           |     |
| AS-6 (psi)/(cfm)                          | 15              | 5         |           |     | AS-16B (psi)/(cfm)                               | 13       | 10        |           |     |
| AS-7 (psi)/(cfm)                          | 14              | 10        |           |     | AS-17 (psi)/(cfm)                                | 14       | 5         |           |     |
| AS-8 (psi)/(cfm)                          | 14              | 10        |           |     | AS-18 (psi)/(cfm)                                | 13       | 5         |           |     |
| AS-9 (psi)/(cfm)                          | 14              | 6         |           |     | AS-19 (psi)/(cfm)                                | 13       | 4         |           |     |
| AS-10B (psi)/(cfm)                        | 13              | 10        |           |     |                                                  |          |           |           |     |

Notes, Comments & Observations:

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**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:** 25-Sep  
**Weather / Temp:** Rain / 70 DEG  
**Technician / Operator:** JW

**Arrival Time:** 17:00  
**Departure Time:** 17:30

| System Status                             |                 |           |                                                  |                                 |                                 |        |          |           |     |  |
|-------------------------------------------|-----------------|-----------|--------------------------------------------------|---------------------------------|---------------------------------|--------|----------|-----------|-----|--|
|                                           | Arrival         | Departure |                                                  | Arrival                         | Departure                       |        |          |           |     |  |
| SVE Blower 1 (ON/OFF)                     | OFF             | ON        | Sensaphone (ON/OFF)                              | ON                              | ON                              |        |          |           |     |  |
| SVE Blower 2 (ON/OFF)                     | ON              | OFF       | Surge Protection (ON/OFF)                        | ON                              | ON                              |        |          |           |     |  |
| AS Compressor 1 (ON/OFF)                  | OFF             | OFF       | Lightning Protection (White/Black)               | White                           | White                           |        |          |           |     |  |
| AS Compressor 2 (ON/OFF)                  | ON              | OFF       |                                                  |                                 |                                 |        |          |           |     |  |
| Soil Vapor Extraction System              |                 |           |                                                  |                                 |                                 |        |          |           |     |  |
| Blower Air Velocity/Flow Rate (fpm)/(cfm) | 4650            | 913       | Blower 1 Total Runtime (hrs)                     | 52,055.4                        |                                 |        |          |           |     |  |
| Blower 1 Fresh Air Valve Open (%)         | 0               |           | Blower 2 Total Runtime (hrs)                     | 51,850.1                        |                                 |        |          |           |     |  |
| Blower 2 Fresh Air Valve Open (%)         | 0               |           | Blower 1 Air Filter Differential Pressure ("H2O) | 0                               |                                 |        |          |           |     |  |
| Moisture Separator Vacuum ("Hg)           | 3.5             |           | Blower 2 Air Filter Differential Pressure ("H2O) | 0                               |                                 |        |          |           |     |  |
| VGAC-1 Influent Vacuum ("H2O)             | 43              |           | VGAC-1 Influent PID (ppm)                        | 2.7                             |                                 |        |          |           |     |  |
| VGAC-1 Effluent Vacuum ("H2O)             | 45              |           | VGAC-1 Effluent PID (ppm)                        | 0.0                             |                                 |        |          |           |     |  |
| VGAC-2 Influent Vacuum ("H2O)             | 40              |           | VGAC-2 Influent PID (ppm)                        | 2.7                             |                                 |        |          |           |     |  |
| VGAC-2 Effluent Vacuum ("H2O)             | 45              |           | VGAC-2 Effluent PID (ppm)                        | 0.0                             |                                 |        |          |           |     |  |
| VGAC-3 Influent Pressure ("H2O)           | 50              |           | VGAC-3 Influent PID (ppm)                        | 0.0                             |                                 |        |          |           |     |  |
| VGAC-3 Effluent Pressure ("H2O)           | 60              |           | VGAC-3 Effluent PID (ppm)                        | 0.0                             |                                 |        |          |           |     |  |
| VGAC-3 Influent Temp (DegF)               | NA              |           | Blower Effluent PID (ppm)                        | 0.0                             |                                 |        |          |           |     |  |
| Blower Effluent Pressure ("H2O)           | 10              |           |                                                  |                                 |                                 |        |          |           |     |  |
| Transfer Pump Total Runtime (hrs)         | 25,033.0        |           | Condensate Storage Tank Level (gal)              | 0                               |                                 |        |          |           |     |  |
| SVE Manifold Legs - Vacuum/Flow Rate/PID  |                 |           |                                                  |                                 |                                 |        |          |           |     |  |
|                                           | Vacuum          | Velocity  | Flow Rate                                        | PID                             |                                 | Vacuum | Velocity | Flow Rate | PID |  |
| SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)            | 44              | 7000      | 153                                              |                                 | SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)  | 36     | 4500     | 98        |     |  |
| SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)            | 45              | 4300      | 94                                               |                                 | SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)  | 38     | 3000     | 65        |     |  |
| SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)            | 40              | 5000      | 109                                              |                                 | SVE-6B ("H2O)/(FPM)/(cfm)/(ppm) | 38     | 6500     | 142       |     |  |
| SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)           | 40              | 4000      | 87                                               |                                 | SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)  | 40     | 3000     | 65        |     |  |
| Air Sparge System                         |                 |           |                                                  |                                 |                                 |        |          |           |     |  |
| Compressor 1 Pressure (psi)               | Off for repairs |           |                                                  | Compressor 2 Pressure (psi)     | 95                              |        |          |           |     |  |
| Compressor 1 Temperature (degF)           | Off for repairs |           |                                                  | Compressor 2 Temperature (degF) | 190                             |        |          |           |     |  |
| Compressor 1 Runtime (hrs)                | 27,317          |           |                                                  | Compressor 2 Runtime (hrs)      | 29,350                          |        |          |           |     |  |
| Manifold Regulator Pressure (psi)         | 75              |           |                                                  |                                 |                                 |        |          |           |     |  |
| AS Manifold Legs - Pressure/Flow Rate     |                 |           |                                                  |                                 |                                 |        |          |           |     |  |
|                                           | Pressure        | Flow Rate |                                                  | Pressure                        | Flow Rate                       |        |          |           |     |  |
| AS-1 (psi)/(cfm)                          | 15              | 10        | AS-11 (psi)/(cfm)                                | 14                              | 4                               |        |          |           |     |  |
| AS-2 (psi)/(cfm)                          | 15              | 7         | AS-12B (psi)/(cfm)                               | 14                              | 8                               |        |          |           |     |  |
| AS-3 (psi)/(cfm)                          | 13              | 5         | AS-13B (psi)/(cfm)                               | 13                              | 10                              |        |          |           |     |  |
| AS-4 (psi)/(cfm)                          | 13              | 8         | AS-14 (psi)/(cfm)                                | 13                              | 10                              |        |          |           |     |  |
| AS-5 (psi)/(cfm)                          | 15              | 6         | AS-15 (psi)/(cfm)                                | 14                              | 10                              |        |          |           |     |  |
| AS-6 (psi)/(cfm)                          | 15              | 6         | AS-16B (psi)/(cfm)                               | 13                              | 8                               |        |          |           |     |  |
| AS-7 (psi)/(cfm)                          | 14              | 10        | AS-17 (psi)/(cfm)                                | 14                              | 5                               |        |          |           |     |  |
| AS-8 (psi)/(cfm)                          | 14              | 10        | AS-18 (psi)/(cfm)                                | 13                              | 5                               |        |          |           |     |  |
| AS-9 (psi)/(cfm)                          | 14              | 6         | AS-19 (psi)/(cfm)                                | 13                              | 4                               |        |          |           |     |  |
| AS-10B (psi)/(cfm)                        | 14              | 10        |                                                  |                                 |                                 |        |          |           |     |  |

**Notes, Comments & Observations:** \_\_\_\_\_

Shut off AS compressor for GW sampling. \_\_\_\_\_

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**ALARM VISIT LOG**  
**AS/SVE SYSTEM**  
**101 FROST STREET, WESTBURY, NY**

[illegible]

**Appendix B**  
**SVE System Influent/Effluent Sampling (TO-15)**  
**Laboratory Analytical Results**



Thursday, September 27, 2018

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

Project ID: ENSAFE-WESTBURY  
Sample ID#s: CB36626 - CB36627

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 have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

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  
UT Lab Registration #CT00007  
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



## Analysis Report

September 27, 2018

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

### Sample Information

Matrix: AIR  
Location Code: ENVIOTR  
Rush Request: 72 Hour  
P.O.#:  
Canister Id: 782

### Custody Information

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

### Date

09/13/18 9:31  
09/21/18 15:57

### Time

Project ID: ENSAFE-WESTBURY  
Client ID: SVE EFFLUENT

### Laboratory Data

SDG ID: GCB36626  
Phoenix ID: CB36626

| Parameter                      | ppbv<br>Result | ppbv<br>RL | ug/m3<br>Result | ug/m3<br>RL | Date/Time | By  | Dilution |
|--------------------------------|----------------|------------|-----------------|-------------|-----------|-----|----------|
| <b><u>Volatiles (TO15)</u></b> |                |            |                 |             |           |     |          |
| 1,1,1,2-Tetrachloroethane      | ND             | 0.146      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,1,1-Trichloroethane          | ND             | 0.183      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,1,2,2-Tetrachloroethane      | ND             | 0.146      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,1,2-Trichloroethane          | ND             | 0.183      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,1-Dichloroethane             | ND             | 0.247      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,1-Dichloroethene             | 0.090          | 0.051      | 0.36            | 0.20        | 09/24/18  | KCA | 1        |
| 1,2,4-Trichlorobenzene         | ND             | 0.135      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2,4-Trimethylbenzene         | ND             | 0.204      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2-Dibromoethane(EDB)         | ND             | 0.130      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2-Dichlorobenzene            | ND             | 0.166      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2-Dichloroethane             | ND             | 0.247      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2-dichloropropane            | ND             | 0.217      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2-Dichlorotetrafluoroethane  | ND             | 0.143      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,3,5-Trimethylbenzene         | ND             | 0.204      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,3-Butadiene                  | ND             | 0.452      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,3-Dichlorobenzene            | ND             | 0.166      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,4-Dichlorobenzene            | ND             | 0.166      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,4-Dioxane                    | ND             | 0.278      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 2-Hexanone(MBK)                | ND             | 0.244      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 4-Ethyltoluene                 | ND             | 0.204      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 4-Isopropyltoluene             | ND             | 0.182      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 4-Methyl-2-pentanone(MIBK)     | ND             | 0.244      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Acetone                        | 3.51           | S 0.421    | 8.33            | 1.00        | 09/24/18  | KCA | 1        |
| Acrylonitrile                  | ND             | 0.461      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Benzene                        | ND             | 0.313      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Benzyl chloride                | ND             | 0.193      | ND              | 1.00        | 09/24/18  | KCA | 1        |

| Parameter                      | ppbv<br>Result | ppbv<br>RL | ug/m3<br>Result | ug/m3<br>RL | Date/Time | By  | Dilution |
|--------------------------------|----------------|------------|-----------------|-------------|-----------|-----|----------|
| Bromodichloromethane           | ND             | 0.149      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Bromoform                      | ND             | 0.097      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Bromomethane                   | ND             | 0.258      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Carbon Disulfide               | ND             | 0.321      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Carbon Tetrachloride           | ND             | 0.032      | ND              | 0.20        | 09/24/18  | KCA | 1        |
| Chlorobenzene                  | ND             | 0.217      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Chloroethane                   | ND             | 0.379      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Chloroform                     | ND             | 0.205      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Chloromethane                  | ND             | 0.485      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Cis-1,2-Dichloroethene         | 92.4           | 0.252      | 366             | 1.00        | 09/26/18  | KCA | 5        |
| cis-1,3-Dichloropropene        | ND             | 0.221      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Cyclohexane                    | ND             | 0.291      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Dibromochloromethane           | ND             | 0.118      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Dichlorodifluoromethane        | 0.545          | 0.202      | 2.69            | 1.00        | 09/24/18  | KCA | 1        |
| Ethanol                        | 0.932          | 0.531      | 1.75            | 1.00        | 09/24/18  | KCA | 1        |
| Ethyl acetate                  | ND             | 0.278      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Ethylbenzene                   | ND             | 0.230      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Heptane                        | ND             | 0.244      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Hexachlorobutadiene            | ND             | 0.094      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Hexane                         | ND             | 0.284      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Isopropylalcohol               | 0.957          | 0.407      | 2.35            | 1.00        | 09/24/18  | KCA | 1        |
| Isopropylbenzene               | ND             | 0.204      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| m,p-Xylene                     | ND             | 0.230      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Methyl Ethyl Ketone            | 0.654          | 0.339      | 1.93            | 1.00        | 09/24/18  | KCA | 1        |
| Methyl tert-butyl ether(MTBE)  | ND             | 0.278      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Methylene Chloride             | ND             | 0.864      | ND              | 3.00        | 09/24/18  | KCA | 1        |
| n-Butylbenzene                 | ND             | 0.182      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| o-Xylene                       | ND             | 0.230      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Propylene                      | ND             | 0.581      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| sec-Butylbenzene               | ND             | 0.182      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Styrene                        | ND             | 0.235      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Tetrachloroethene              | ND             | 0.037      | ND              | 0.25        | 09/24/18  | KCA | 1        |
| Tetrahydrofuran                | ND             | 0.339      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Toluene                        | ND             | 0.266      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Trans-1,2-Dichloroethene       | 1.36           | 0.252      | 5.39            | 1.00        | 09/24/18  | KCA | 1        |
| trans-1,3-Dichloropropene      | ND             | 0.221      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Trichloroethene                | ND             | 0.037      | ND              | 0.20        | 09/24/18  | KCA | 1        |
| Trichlorofluoromethane         | 0.408          | 0.178      | 2.29            | 1.00        | 09/24/18  | KCA | 1        |
| Trichlorotrifluoroethane       | ND             | 0.131      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Vinyl Chloride                 | ND             | 0.078      | ND              | 0.20        | 09/24/18  | KCA | 1        |
| <b><u>QA/QC Surrogates</u></b> |                |            |                 |             |           |     |          |
| % Bromofluorobenzene           | 96             | %          | 96              | %           | 09/24/18  | KCA | 1        |

| Parameter | ppbv<br>Result | ppbv<br>RL | ug/m3<br>Result | ug/m3<br>RL | Date/Time | By | Dilution |
|-----------|----------------|------------|-----------------|-------------|-----------|----|----------|
|-----------|----------------|------------|-----------------|-------------|-----------|----|----------|

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

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:**

S - Laboratory solvent, contamination is possible.

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

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

September 27, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



## Analysis Report

September 27, 2018

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

### Sample Information

Matrix: AIR  
Location Code: ENVIOTR  
Rush Request: 72 Hour  
P.O.#:  
Canister Id: 729

### Custody Information

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

### Date

09/13/18 9:36  
09/21/18 15:57

### Time

Project ID: ENSAFE-WESTBURY  
Client ID: SVE INFLUENT

### Laboratory Data

SDG ID: GCB36626  
Phoenix ID: CB36627

| Parameter                      | ppbv<br>Result | ppbv<br>RL | ug/m3<br>Result | ug/m3<br>RL | Date/Time | By  | Dilution |
|--------------------------------|----------------|------------|-----------------|-------------|-----------|-----|----------|
| <b><u>Volatiles (TO15)</u></b> |                |            |                 |             |           |     |          |
| 1,1,1,2-Tetrachloroethane      | ND             | 0.146      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,1,1-Trichloroethane          | 1.12           | 0.183      | 6.11            | 1.00        | 09/24/18  | KCA | 1        |
| 1,1,2,2-Tetrachloroethane      | ND             | 0.146      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,1,2-Trichloroethane          | ND             | 0.183      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,1-Dichloroethane             | ND             | 0.247      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,1-Dichloroethene             | 0.052          | 0.051      | 0.21            | 0.20        | 09/24/18  | KCA | 1        |
| 1,2,4-Trichlorobenzene         | ND             | 0.135      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2,4-Trimethylbenzene         | ND             | 0.204      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2-Dibromoethane(EDB)         | ND             | 0.130      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2-Dichlorobenzene            | ND             | 0.166      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2-Dichloroethane             | ND             | 0.247      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2-dichloropropane            | ND             | 0.217      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,2-Dichlorotetrafluoroethane  | ND             | 0.143      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,3,5-Trimethylbenzene         | ND             | 0.204      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,3-Butadiene                  | ND             | 0.452      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,3-Dichlorobenzene            | ND             | 0.166      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,4-Dichlorobenzene            | ND             | 0.166      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 1,4-Dioxane                    | ND             | 0.278      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 2-Hexanone(MBK)                | ND             | 0.244      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 4-Ethyltoluene                 | ND             | 0.204      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 4-Isopropyltoluene             | ND             | 0.182      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| 4-Methyl-2-pentanone(MIBK)     | ND             | 0.244      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Acetone                        | 3.75           | S 0.421    | 8.90            | 1.00        | 09/24/18  | KCA | 1        |
| Acrylonitrile                  | ND             | 0.461      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Benzene                        | ND             | 0.313      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Benzyl chloride                | ND             | 0.193      | ND              | 1.00        | 09/24/18  | KCA | 1        |

| Parameter                      | ppbv<br>Result | ppbv<br>RL | ug/m3<br>Result | ug/m3<br>RL | Date/Time | By  | Dilution |
|--------------------------------|----------------|------------|-----------------|-------------|-----------|-----|----------|
| Bromodichloromethane           | ND             | 0.149      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Bromoform                      | ND             | 0.097      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Bromomethane                   | ND             | 0.258      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Carbon Disulfide               | ND             | 0.321      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Carbon Tetrachloride           | 0.088          | 0.032      | 0.55            | 0.20        | 09/24/18  | KCA | 1        |
| Chlorobenzene                  | 0.255          | 0.217      | 1.17            | 1.00        | 09/24/18  | KCA | 1        |
| Chloroethane                   | ND             | 0.379      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Chloroform                     | 0.208          | 0.205      | 1.01            | 1.00        | 09/24/18  | KCA | 1        |
| Chloromethane                  | ND             | 0.485      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Cis-1,2-Dichloroethene         | 203            | 0.757      | 804             | 3.00        | 09/26/18  | KCA | 15       |
| cis-1,3-Dichloropropene        | ND             | 0.221      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Cyclohexane                    | 1.00           | 0.291      | 3.44            | 1.00        | 09/24/18  | KCA | 1        |
| Dibromochloromethane           | ND             | 0.118      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Dichlorodifluoromethane        | 0.529          | 0.202      | 2.61            | 1.00        | 09/24/18  | KCA | 1        |
| Ethanol                        | 1.25           | 0.531      | 2.35            | 1.00        | 09/24/18  | KCA | 1        |
| Ethyl acetate                  | ND             | 0.278      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Ethylbenzene                   | ND             | 0.230      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Heptane                        | ND             | 0.244      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Hexachlorobutadiene            | ND             | 0.094      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Hexane                         | ND             | 0.284      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Isopropylalcohol               | 2.87           | 0.407      | 7.05            | 1.00        | 09/24/18  | KCA | 1        |
| Isopropylbenzene               | ND             | 0.204      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| m,p-Xylene                     | ND             | 0.230      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Methyl Ethyl Ketone            | 0.598          | 0.339      | 1.76            | 1.00        | 09/24/18  | KCA | 1        |
| Methyl tert-butyl ether(MTBE)  | ND             | 0.278      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Methylene Chloride             | ND             | 0.864      | ND              | 3.00        | 09/24/18  | KCA | 1        |
| n-Butylbenzene                 | ND             | 0.182      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| o-Xylene                       | ND             | 0.230      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Propylene                      | ND             | 0.581      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| sec-Butylbenzene               | ND             | 0.182      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Styrene                        | ND             | 0.235      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Tetrachloroethene              | 2150           | 2.77       | 14600           | 18.8        | 09/26/18  | KCA | 75       |
| Tetrahydrofuran                | 0.417          | 0.339      | 1.23            | 1.00        | 09/24/18  | KCA | 1        |
| Toluene                        | ND             | 0.266      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Trans-1,2-Dichloroethene       | 2.08           | 0.252      | 8.24            | 1.00        | 09/24/18  | KCA | 1        |
| trans-1,3-Dichloropropene      | ND             | 0.221      | ND              | 1.00        | 09/24/18  | KCA | 1        |
| Trichloroethene                | 238            | 0.559      | 1280            | 3.00        | 09/26/18  | KCA | 15       |
| Trichlorofluoromethane         | 0.417          | 0.178      | 2.34            | 1.00        | 09/24/18  | KCA | 1        |
| Trichlorotrifluoroethane       | 0.137          | 0.131      | 1.05            | 1.00        | 09/24/18  | KCA | 1        |
| Vinyl Chloride                 | ND             | 0.078      | ND              | 0.20        | 09/24/18  | KCA | 1        |
| <b><u>QA/QC Surrogates</u></b> |                |            |                 |             |           |     |          |
| % Bromofluorobenzene           | 101            | %          | 101             | %           | 09/24/18  | KCA | 1        |



| Parameter | ppbv<br>Result | ppbv<br>RL | ug/m3<br>Result | ug/m3<br>RL | Date/Time | By | Dilution |
|-----------|----------------|------------|-----------------|-------------|-----------|----|----------|
|-----------|----------------|------------|-----------------|-------------|-----------|----|----------|

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

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:**

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

September 27, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.  
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# QA/QC Report

September 27, 2018

## QA/QC Data

SDG I.D.: GCB36626

| Parameter                                                           | Blk<br>ppbv | Blk<br>RL<br>ppbv | Blk<br>ug/m3 | Blk<br>RL<br>ug/m3 | LCS<br>% | Sample<br>Result<br>ug/m3 | Sample<br>Dup<br>ug/m3 | Sample<br>Result<br>ppbv | Sample<br>Dup<br>ppbv | DUP<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---------------------------------------------------------------------|-------------|-------------------|--------------|--------------------|----------|---------------------------|------------------------|--------------------------|-----------------------|------------|--------------------|--------------------|
| QA/QC Batch 448725 (ppbv), QC Sample No: CB36628 (CB36626, CB36627) |             |                   |              |                    |          |                           |                        |                          |                       |            |                    |                    |
| <b>Volatiles</b>                                                    |             |                   |              |                    |          |                           |                        |                          |                       |            |                    |                    |
| 1,1,1,2-Tetrachloroethane                                           | ND          | 0.146             | ND           | 1.00               | 101      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,1,1-Trichloroethane                                               | ND          | 0.183             | ND           | 1.00               | 99       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,1,2,2-Tetrachloroethane                                           | ND          | 0.146             | ND           | 1.00               | 111      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,1,2-Trichloroethane                                               | ND          | 0.183             | ND           | 1.00               | 108      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,1-Dichloroethane                                                  | ND          | 0.247             | ND           | 1.00               | 104      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,1-Dichloroethene                                                  | ND          | 0.252             | ND           | 1.00               | 113      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,2,4-Trichlorobenzene                                              | ND          | 0.135             | ND           | 1.00               | 116      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,2,4-Trimethylbenzene                                              | ND          | 0.100             | ND           | 0.49               | 124      | 13.6                      | 12.6                   | 2.77                     | 2.57                  | 7.5        | 70 - 130           | 25                 |
| 1,2-Dibromoethane(EDB)                                              | ND          | 0.130             | ND           | 1.00               | 111      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,2-Dichlorobenzene                                                 | ND          | 0.166             | ND           | 1.00               | 110      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,2-Dichloroethane                                                  | ND          | 0.247             | ND           | 1.00               | 106      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,2-dichloropropane                                                 | ND          | 0.217             | ND           | 1.00               | 113      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,2-Dichlorotetrafluoroethane                                       | ND          | 0.143             | ND           | 1.00               | 99       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,3,5-Trimethylbenzene                                              | ND          | 0.100             | ND           | 0.49               | 118      | 4.96                      | 4.58                   | 1.01                     | 0.933                 | 7.9        | 70 - 130           | 25                 |
| 1,3-Butadiene                                                       | ND          | 0.452             | ND           | 1.00               | 98       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,3-Dichlorobenzene                                                 | ND          | 0.166             | ND           | 1.00               | 109      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,4-Dichlorobenzene                                                 | ND          | 0.166             | ND           | 1.00               | 111      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 1,4-Dioxane                                                         | ND          | 0.278             | ND           | 1.00               | 122      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 2-Hexanone(MBK)                                                     | ND          | 0.244             | ND           | 1.00               | 180      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 4-Ethyltoluene                                                      | ND          | 0.100             | ND           | 0.49               | 115      | 13.7                      | 12.9                   | 2.79                     | 2.63                  | 5.9        | 70 - 130           | 25                 |
| 4-Isopropyltoluene                                                  | ND          | 0.100             | ND           | 0.55               | 106      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| 4-Methyl-2-pentanone(MIBK)                                          | ND          | 0.244             | ND           | 1.00               | 118      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Acetone                                                             | ND          | 0.421             | ND           | 1.00               | 88       | 6.39 S                    | 5.98 S                 | 2.69 S                   | 2.52 S                | 6.5        | 70 - 130           | 25                 |
| Acrylonitrile                                                       | ND          | 0.461             | ND           | 1.00               | 100      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Benzene                                                             | ND          | 0.100             | ND           | 0.32               | 107      | 1.34                      | 1.27                   | 0.421                    | 0.397                 | NC         | 70 - 130           | 25                 |
| Benzyl chloride                                                     | ND          | 0.193             | ND           | 1.00               | 123      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Bromodichloromethane                                                | ND          | 0.149             | ND           | 1.00               | 107      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Bromoform                                                           | ND          | 0.097             | ND           | 1.00               | 86       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Bromomethane                                                        | ND          | 0.258             | ND           | 1.00               | 96       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Carbon Disulfide                                                    | ND          | 0.321             | ND           | 1.00               | 99       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Carbon Tetrachloride                                                | ND          | 0.040             | ND           | 0.25               | 102      | 0.38                      | 0.33                   | 0.060                    | 0.053                 | NC         | 70 - 130           | 25                 |
| Chlorobenzene                                                       | ND          | 0.217             | ND           | 1.00               | 106      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Chloroethane                                                        | ND          | 0.379             | ND           | 1.00               | 99       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Chloroform                                                          | ND          | 0.205             | ND           | 1.00               | 103      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Chloromethane                                                       | ND          | 0.485             | ND           | 1.00               | 87       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| cis-1,3-Dichloropropene                                             | ND          | 0.221             | ND           | 1.00               | 114      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Cyclohexane                                                         | ND          | 0.291             | ND           | 1.00               | 110      | 2.08                      | 1.91                   | 0.605                    | 0.556                 | NC         | 70 - 130           | 25                 |
| Dibromochloromethane                                                | ND          | 0.118             | ND           | 1.00               | 103      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Dichlorodifluoromethane                                             | ND          | 0.202             | ND           | 1.00               | 104      | 1.75                      | 1.65                   | 0.355                    | 0.333                 | NC         | 70 - 130           | 25                 |
| Ethanol                                                             | ND          | 0.531             | ND           | 1.00               | 131      | 6.76                      | 6.70                   | 3.59                     | 3.56                  | 0.8        | 70 - 130           | 25                 |
| Ethyl acetate                                                       | ND          | 0.278             | ND           | 1.00               | 101      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |

# QA/QC Data

SDG I.D.: GCB36626

| Parameter                     | Blk<br>ppbv | Blk<br>RL<br>ppbv | Blk<br>ug/m3 | Blk<br>RL<br>ug/m3 | LCS<br>% | Sample<br>Result<br>ug/m3 | Sample<br>Dup<br>ug/m3 | Sample<br>Result<br>ppbv | Sample<br>Dup<br>ppbv | DUP<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|-------------------------------|-------------|-------------------|--------------|--------------------|----------|---------------------------|------------------------|--------------------------|-----------------------|------------|--------------------|--------------------|
| Ethylbenzene                  | ND          | 0.100             | ND           | 0.43               | 111      | 3.80                      | 3.63                   | 0.875                    | 0.836                 | 4.6        | 70 - 130           | 25                 |
| Heptane                       | ND          | 0.244             | ND           | 1.00               | 119      | 5.94                      | 5.77                   | 1.45                     | 1.41                  | 2.8        | 70 - 130           | 25                 |
| Hexachlorobutadiene           | ND          | 0.094             | ND           | 1.00               | 100      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Hexane                        | ND          | 0.284             | ND           | 1.00               | 125      | 4.19 S                    | 4.05 S                 | 1.19 S                   | 1.15 S                | NC         | 70 - 130           | 25                 |
| Isopropylalcohol              | ND          | 0.407             | ND           | 1.00               | 105      | 1.01                      | ND                     | 0.413                    | ND                    | NC         | 70 - 130           | 25                 |
| Isopropylbenzene              | ND          | 0.100             | ND           | 0.49               | 114      | 0.91                      | 0.93                   | 0.185                    | 0.190                 | NC         | 70 - 130           | 25                 |
| m,p-Xylene                    | ND          | 0.200             | ND           | 0.87               | 118      | 20.0                      | 18.7                   | 4.61                     | 4.32                  | 6.5        | 70 - 130           | 25                 |
| Methyl Ethyl Ketone           | ND          | 0.339             | ND           | 1.00               | 109      | 1.98                      | 1.85                   | 0.671                    | 0.627                 | NC         | 70 - 130           | 25                 |
| Methyl tert-butyl ether(MTBE) | ND          | 0.100             | ND           | 0.36               | 104      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Methylene Chloride            | ND          | 0.288             | ND           | 1.00               | 96       | 1.14 S                    | 1.02 S                 | 0.329 S                  | 0.293 S               | NC         | 70 - 130           | 25                 |
| n-Butylbenzene                | ND          | 0.100             | ND           | 0.55               | 106      | 1.23                      | 1.41                   | 0.225                    | 0.257                 | NC         | 70 - 130           | 25                 |
| o-Xylene                      | ND          | 0.100             | ND           | 0.43               | 123      | 7.51                      | 7.25                   | 1.73                     | 1.67                  | 3.5        | 70 - 130           | 25                 |
| Propylene                     | ND          | 0.581             | ND           | 1.00               | 103      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| sec-Butylbenzene              | ND          | 0.100             | ND           | 0.55               | 101      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Styrene                       | ND          | 0.235             | ND           | 1.00               | 129      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Tetrachloroethene             | ND          | 0.037             | ND           | 0.25               | 111      | 7.25                      | 2.36                   | 1.07                     | 0.348                 | 101.8      | 70 - 130           | 25                 |
| Tetrahydrofuran               | ND          | 0.339             | ND           | 1.00               | 109      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Toluene                       | ND          | 0.100             | ND           | 0.38               | 117      | 10.6                      | 9.7                    | 2.82                     | 2.58                  | 8.9        | 70 - 130           | 25                 |
| Trans-1,2-Dichloroethene      | ND          | 0.252             | ND           | 1.00               | 99       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| trans-1,3-Dichloropropene     | ND          | 0.221             | ND           | 1.00               | 109      | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Trichloroethene               | ND          | 0.047             | ND           | 0.25               | 103      | 0.41                      | ND                     | 0.076                    | ND                    | NC         | 70 - 130           | 25                 |
| Trichlorofluoromethane        | ND          | 0.178             | ND           | 1.00               | 91       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Trichlorotrifluoroethane      | ND          | 0.131             | ND           | 1.00               | 95       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| Vinyl Chloride                | ND          | 0.098             | ND           | 0.25               | 97       | ND                        | ND                     | ND                       | ND                    | NC         | 70 - 130           | 25                 |
| % Bromofluorobenzene          | 99          |                   | 99           |                    | 106      | 96                        | 96                     | 96                       | 96                    | NC         | 70 - 130           | 25                 |

QA/QC Batch 449068 (ppbv), QC Sample No: CB38073 (CB36626 (5X) , CB36627 (15X) )

## Volatiles

|                        |    |       |    |      |     |      |      |       |       |    |          |    |
|------------------------|----|-------|----|------|-----|------|------|-------|-------|----|----------|----|
| Cis-1,2-Dichloroethene | ND | 0.200 | ND | 0.79 | 102 | ND   | ND   | ND    | ND    | NC | 70 - 130 | 25 |
| Trichloroethene        | ND | 0.050 | ND | 0.27 | 116 | 1.26 | 1.31 | 0.235 | 0.244 | NC | 70 - 130 | 25 |

QA/QC Batch 449264 (ppbv), QC Sample No: CB39729 (CB36627 (75X) )

## Volatiles

|                   |    |       |    |      |     |  |  |  |  |  |          |    |
|-------------------|----|-------|----|------|-----|--|--|--|--|--|----------|----|
| Tetrachloroethene | ND | 0.037 | ND | 0.25 | 112 |  |  |  |  |  | 70 - 130 | 25 |
|-------------------|----|-------|----|------|-----|--|--|--|--|--|----------|----|

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

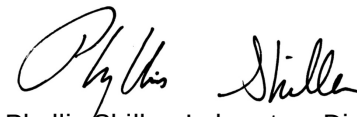
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
September 27, 2018

Thursday, September 27, 2018

Criteria: None

State: NY

## Sample Criteria Exceedances Report

GCB36626 - 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.**  
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## Analysis Comments

September 27, 2018

SDG I.D.: GCB36626

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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: None.



**800-827-5426**

**email: [greg@phoenixlabs.com](mailto:greg@phoenixlabs.com)**

Page 1 of 1

Fax #:

Email:

**Phone #:**

Invoice to: **EnviroTrac**

Project Name: **ENSAFE - WESTERN**

**Requested Deliverable:** ☒ RCP ☐ ASP CAT B ☐

Sampled by: **JIM WILKINSON**

MCP ☐ NI Deliverables ☐

State where samples collected: NY

|                    |                    |         |       |                                                                                                                        |
|--------------------|--------------------|---------|-------|------------------------------------------------------------------------------------------------------------------------|
| Relinquished by:   | Accepted by:       | Date:   | Time: | Data Format:                                                                                                           |
| <i>[Signature]</i> | <i>[Signature]</i> | 9-21-18 | 9:20  | Excel <input checked="" type="checkbox"/> Equis <input type="checkbox"/> Other <input type="checkbox"/> ( <i>PDF</i> ) |
|                    | <i>[Signature]</i> | 9-21-18 | 15:57 | Turnaround Time:                                                                                                       |

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION

(2) (1-4) (GRAB)

[illegible]☐ 24 Hour    ☐ 48 Hour    ☐ 72 Hour    ☒ Standard

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Quote Number:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_