

January 31, 2003

Mr. Thomas Gibbons  
NYSDEC  
Bureau of Eastern Remedial Action  
625 Broadway 11<sup>th</sup> Floor  
Albany, NY 12233-7015

RE: Pulsing Procedure Report # 2  
Westbury Valet Cleaners  
123 Post Ave  
Westbury, NY 11590  
Site ID# 130088



Dear Mr. Gibbons:

Anson Environmental Ltd. (AEL) began pulsing the soil vapor extraction system (SVES) of Westbury Valet Cleaners, approved by the NYSDEC letter dated September 13, 2002, on November 15, 2002. According to the approved plan, AEL restarted the system on December 23, 2002 and conducted the system check one week later on December 30, 2002.

**Work Completed During the Monitoring Period**

AEL conducted monitoring per instructions from the NYSDEC. On each visit AEL conducts the system check and collects air samples at extraction wells for analysis using an Organic Vapor Monitor (OVM).

AEL has performed system checks utilizing a dedicated O&M data sheet as well as keeping a log in a dedicated logbook of other activities that have occurred on site. Work completed at the site includes:

- The SVES wells RW1-S, RW2-S, RW3-S, and RW4-S were not operating during the monitoring period.
- The SVES wells were returned to full operation on December 23, 2002.
- Field screening of the pre-carbon, between carbons, and system exhaust air was conducted utilizing an OVM. Carbon canisters were changed when OVM readings showed that breakthrough had occurred. A data sheet is attached in the Appendix A of this report.
- The wells were monitored for flow and vacuum pressure. Data sheets for each well are attached in Appendix A.
- Field screening of the extraction wells was conducted utilizing an OVM

- Remedial system performance air samples were collected by AEL utilizing Tedlar bags on December 30, 2002 at the pre-carbon (influent) and after the second carbon (effluent) locations.
- Quarterly Air Samples (perc badges) were collected on December 17-18, 2002 in the surrounding properties by the NYSDOH.

### **System Sampling Results**

On December 30, 2002, AEL collected SVE air samples using five (5) liter Tedlar Bags. Using EPA Method 8260, samples were analyzed by Environmental Testing Laboratories (ETL) in Farmingdale, NY. Influent and effluent air samples of the SVE remediation system were collected and denoted as "Pre-Carbon" and "Post Carbon", respectively. Detected compounds for pre-carbon and post carbon samples are summarized in Table 1, a historical graph of detected compounds is in Appendix A, and the laboratory analytical data sheets are located in Appendix B. There was no significant increase in the levels detected after the first month of the pulsing procedure.

### **Quarterly Air Monitoring of Surrounding Properties**

The NYSDOH conducted quarterly air monitoring of the surrounding properties over the time period of December 17-18, 2002. A summary sheet of these data is attached in Appendix C. There was a significant increase in the levels of "perc" detected in the Gomez Apartment during the sampling.

### **Anticipated February Work Items**

- The SVES will be operated in full open position.
- A system check including recording vacuum pressure and flow for all extraction wells, OVM readings for the carbon filtration system, OVM readings for each extraction well, and other pertinent system readings will be conducted.
- Tedlar air bag samples will be collected during the system check at the pre-carbon and exhaust locations. They will be analyzed utilizing EPA Method 8260 by ETL.
- Quarterly groundwater samples will be collected from the on-site monitoring wells.

Please feel free to call Dean Anson or myself should you wish to discuss the above-presented information.

Very truly yours,



Matthew F. Schieferstein  
Environmental Scientist

Cc:

Robert Cozy, PE NYSDEC

Gary Litwin NYSDOH

Alali M. Tamuno, Esq. NYSDEE

John V Soderberg, Esq.

Peter Park Westbury Cleaners

Won Ho Choe Westbury Cleaners

Joseph DeFranco NCDOH

Becky Mitchell NYSDOH

## Table I Air Bag Data

Pre-Carbon 12/30/02

| Compound                  | CFM | M3/min | PPM      | mg/M3 | lb/hour  | lb/year  |
|---------------------------|-----|--------|----------|-------|----------|----------|
| Tetrachloroethene         | 210 | 5.9472 | 0.030959 | 0.21  | 0.000165 | 1.447161 |
| c-1,2-Dichloroethene      | 210 | 5.9472 | 0.019671 | 0.078 | 6.14E-05 | 0.537517 |
| Trichloroethene           | 210 | 5.9472 | 0        | 0     | 0        | 0        |
| t-1,2-Dichloroethene      | 210 | 5.9472 | 0        | 0     | 0        | 0        |
| 1,1-Dichloroethane        | 210 | 5.9472 | 0        | 0     | 0        | 0        |
| 1,1,1,2-Tetrachloroethane | 210 | 5.9472 | 0        | 0     | 0        | 0        |

Post-Carbon 12/30/02

| Compound                  | CFM | M3/min  | PPM      | mg/M3 | lb/hour  | lb/year  |
|---------------------------|-----|---------|----------|-------|----------|----------|
| Tetrachloroethene         | 234 | 6.62688 | 0        | 0     | 0        | 0        |
| c-1,2-Dichloroethene      | 234 | 6.62688 | 0.063048 | 0.25  | 0.000219 | 1.919704 |
| Trichloroethene           | 234 | 6.62688 | 0.022329 | 0.12  | 0.000105 | 0.921458 |
| t-1,2-Dichloroethene      | 234 | 6.62688 | 0        | 0     | 0        | 0        |
| 1,1-Dichloroethane        | 234 | 6.62688 | 0        | 0     | 0        | 0        |
| 1,1,1,2-Tetrachloroethane | 234 | 6.62688 | 0        | 0     | 0        | 0        |

## **Appendix A**

### **Database Information Well and Carbon Readings Graphs for OVM Readings**

## Exhaust System Readings

### December 2002

#### Pre-Carbon

| Date     | Flow (CFM) | OVM (PPM) | Temp | PSI (psi) | Notes |
|----------|------------|-----------|------|-----------|-------|
| 12/30/02 | 210        | 0.8       | 45   | 12        |       |

#### Between Carbon

| Date     | OVM (ppm) | Temp | Notes |
|----------|-----------|------|-------|
| 12/30/02 | 1.6       | 45   |       |

#### Post Carbon

| Date     | OVM (PPM) | Flow (CFM) | Temp | Notes |
|----------|-----------|------------|------|-------|
| 12/30/02 | 0         | 234        | 45   |       |

## Extraction Well Data December 2002

### RW1-S Field Data

| Date     | Vac (in H2O) | Flow (CFM) | PID (PPM) | Valve | Notes |
|----------|--------------|------------|-----------|-------|-------|
| 12/30/02 | 10           | 39         | 0         | Full  | OVM   |

### RW2-S Field Data

| Date     | Vac (in H2O) | Flow (CFM) | PID (PPM) | Valve | Notes |
|----------|--------------|------------|-----------|-------|-------|
| 12/30/02 | 8            | 58         | 0         | Full  | OVM   |

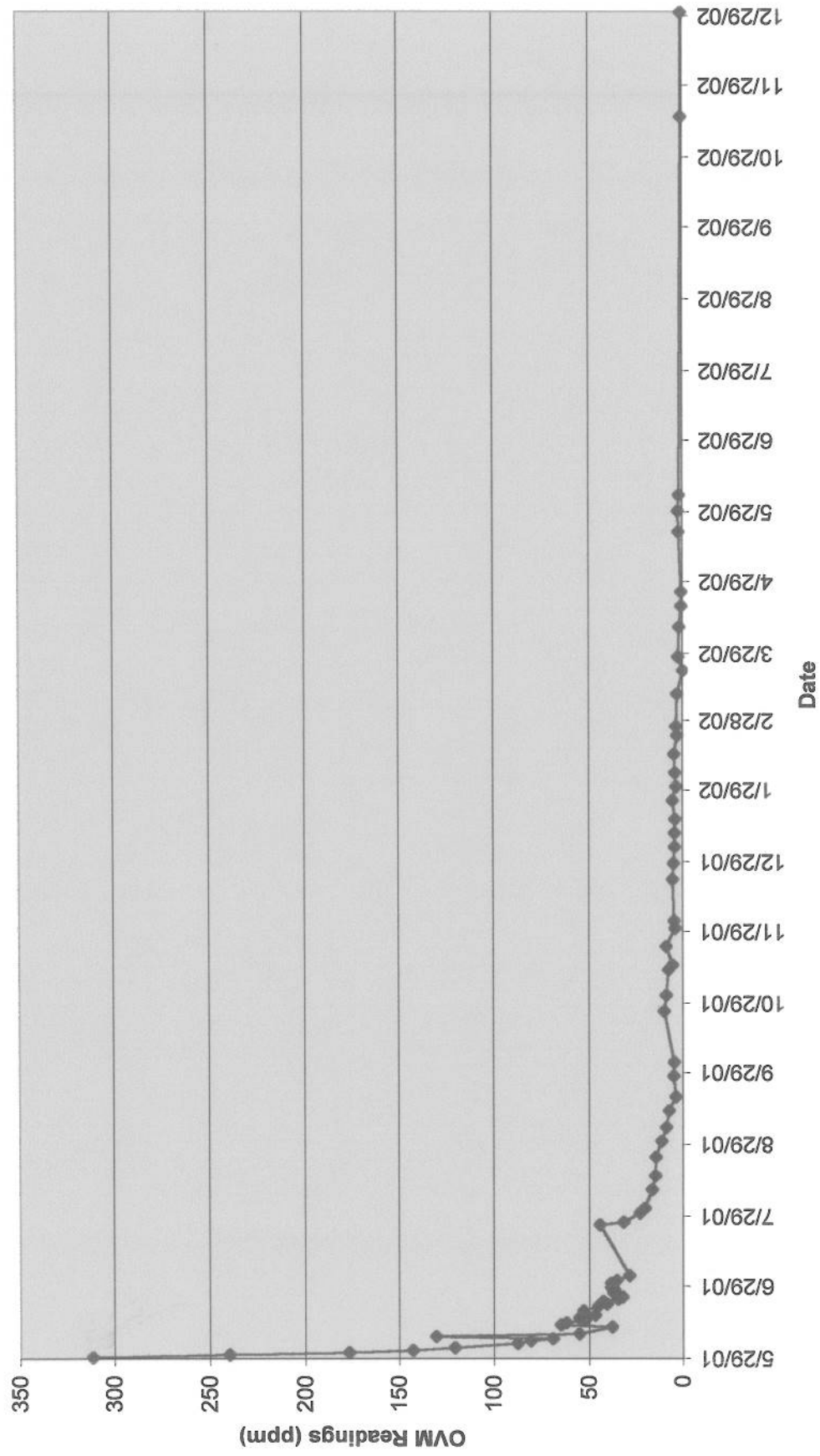
### RW3-S Field Data

| Date     | Vac (in H2O) | Flow (CFM) | PID (PPM) | Valve | Notes |
|----------|--------------|------------|-----------|-------|-------|
| 12/30/02 | 16           | <65        | 3.7       | Full  | OVM   |

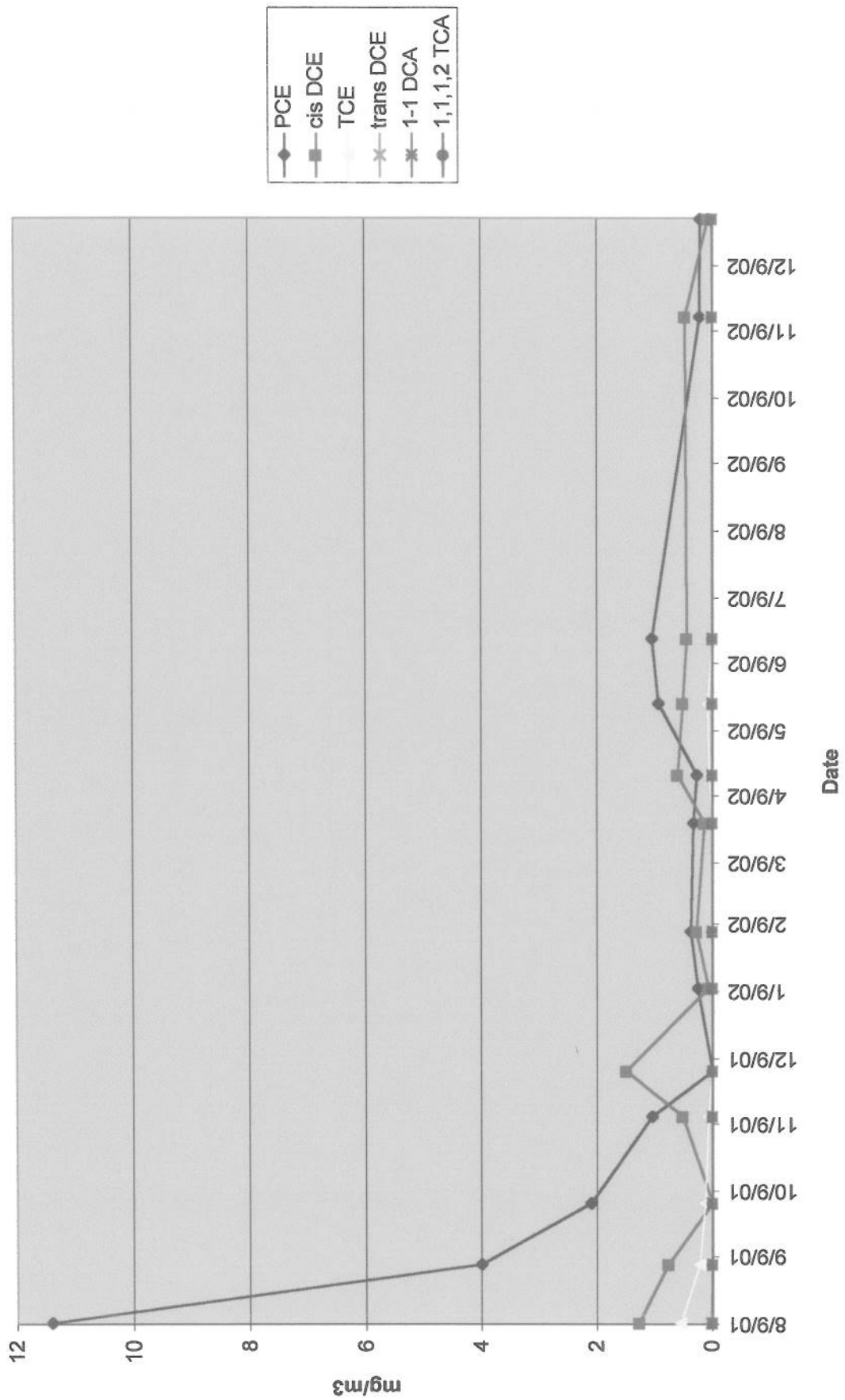
### RW4-S Field Data

| Date     | Vac (in H2O) | Flow (CFM) | PID (PPM) | Valve | Notes |
|----------|--------------|------------|-----------|-------|-------|
| 12/30/02 | 13           | 45         | 0.5       | Full  | OVM   |

Pre-Carbon OVM Readings (ppm)



Air Bag Pre-Carbon Chart (mg/m<sup>3</sup>)



## **Appendix B**

### **Laboratory Analytical Data Sheets**

# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

01/06/2003

**Custody Document: P3949**

Received: 12/30/2002 13:50

Sampled by: Matthew F. Schieferstein

**Client: Anson Environmental Inc**

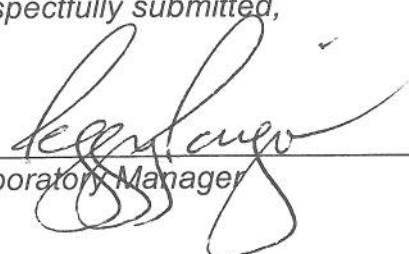
771 New York Avenue  
Huntington,  
NY 11743

**Project: Westbury Cleaners**

123 Post Avenue  
Westbury,  
NY

**Manager: Dean Anson**

Respectfully submitted,

  
\_\_\_\_\_  
Laboratory Manager

MA.  
NYS Lab ID # 10969  
NJ Cert. # 73812  
CT Cert. # PH0645  
MA Cert. # NY061  
PA Cert. # 68-535  
NH Cert. # 252592-BA  
RI Cert. # 161

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# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

01/06/2003

## Volatiles - EPA 8260B in AIR

### Sample: P3949-1

Client Sample ID: Pre Carbon 5L @ 210 cfm  
Matrix: Air Type: Grab  
Remarks:  
Analyzed Date: 01/04/2003

Collected: 12/30/2002 12:40  
Volume: 5 L

### Analytical Results

| Cas No     | Analyte                   | File ID     | MDL    | Concentration | Units | Q |
|------------|---------------------------|-------------|--------|---------------|-------|---|
| 75-71-8    | Dichlorodifluoromethane   | C 824 -7354 | 0.019  | 0.019         | mg/M3 | U |
| 74-87-3    | Chloromethane             | C 824 -7354 | 0.012  | 0.012         | mg/M3 | U |
| 75-01-4    | Vinyl Chloride            | C 824 -7354 | 0.012  | 0.012         | mg/M3 | U |
| 74-83-9    | Bromomethane              | C 824 -7354 | 0.019  | 0.019         | mg/M3 | U |
| 75-00-3    | Chloroethane              | C 824 -7354 | 0.021  | 0.021         | mg/M3 | U |
| 75-69-4    | Trichlorofluoromethane    | C 824 -7354 | 0.0057 | 0.0057        | mg/M3 | U |
| 75-35-4    | 1,1-Dichloroethene        | C 824 -7354 | 0.0084 | 0.0084        | mg/M3 | U |
| 75-09-2    | Methylene Chloride        | C 824 -7354 | 0.042  | 0.042         | mg/M3 | U |
| 156-60-5   | t-1,2-Dichloroethene      | C 824 -7354 | 0.012  | 0.012         | mg/M3 | U |
| 75-34-3    | 1,1-Dichloroethane        | C 824 -7354 | 0.013  | 0.013         | mg/M3 | U |
| 590-20-7   | 2,2-Dichloropropane       | C 824 -7354 | 0.0090 | 0.0090        | mg/M3 | U |
| 156-59-2   | c-1,2-Dichloroethene      | C 824 -7354 | 0.013  | 0.078         | mg/M3 |   |
| 67-66-3    | Chloroform                | C 824 -7354 | 0.0078 | 0.0078        | mg/M3 | U |
| 74-97-5    | Bromochloromethane        | C 824 -7354 | 0.017  | 0.017         | mg/M3 | U |
| 71-55-6    | 1,1,1-Trichloroethane     | C 824 -7354 | 0.0093 | 0.0093        | mg/M3 | U |
| 563-58-6   | 1,1-Dichloropropene       | C 824 -7354 | 0.033  | 0.033         | mg/M3 | U |
| 56-23-5    | Carbon Tetrachloride      | C 824 -7354 | 0.0090 | 0.0090        | mg/M3 | U |
| 107-06-2   | 1,2 Dichloroethane        | C 824 -7354 | 0.014  | 0.014         | mg/M3 | U |
| 71-43-2    | Benzene                   | C 824 -7354 | 0.0066 | 0.0066        | mg/M3 | U |
| 79-01-6    | Trichloroethene           | C 824 -7354 | 0.010  | 0.010         | mg/M3 | U |
| 78-87-5    | 1,2-Dichloropropane       | C 824 -7354 | 0.0081 | 0.0081        | mg/M3 | U |
| 75-27-4    | Bromodichloromethane      | C 824 -7354 | 0.0048 | 0.0048        | mg/M3 | U |
| 74-95-3    | Dibromomethane            | C 824 -7354 | 0.0069 | 0.0069        | mg/M3 | U |
| 10061-01-5 | c-1,3-Dichloropropene     | C 824 -7354 | 0.024  | 0.024         | mg/M3 | U |
| 108-88-3   | Toluene                   | C 824 -7354 | 0.0063 | 0.0063        | mg/M3 | U |
| 10061-02-6 | t-1,3-Dichloropropene     | C 824 -7354 | 0.024  | 0.024         | mg/M3 | U |
| 79-00-5    | 1,1,2-Trichloroethane     | C 824 -7354 | 0.0051 | 0.0051        | mg/M3 | U |
| 142-28-9   | 1,3-Dichloropropane       | C 824 -7354 | 0.0093 | 0.0093        | mg/M3 | U |
| 127-18-4   | Tetrachloroethene         | C 824 -7354 | 0.0051 | 0.21          | mg/M3 |   |
| 124-48-1   | Dibromochloromethane      | C 824 -7354 | 0.0054 | 0.0054        | mg/M3 | U |
| 106-93-4   | 1,2-Dibromoethane         | C 824 -7354 | 0.0051 | 0.0051        | mg/M3 | U |
| 108-90-7   | Chlorobenzene             | C 824 -7354 | 0.0048 | 0.0048        | mg/M3 | U |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | C 824 -7354 | 0.0057 | 0.0057        | mg/M3 | U |
| 100-41-4   | Ethylbenzene              | C 824 -7354 | 0.0051 | 0.0051        | mg/M3 | U |



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01/06/2003

## Volatiles - EPA 8260B in AIR

### Sample: P3949-1...continue

Client Sample ID: Pre Carbon 5L @ 210 cfm

Matrix: Air

Type: Grab

Collected: 12/30/2002 12:40

Volume: 5 L

Remarks:

Analyzed Date: 01/04/2003

## Analytical Results

| Cas No    | Analyte                     | File ID     | MDL    | Concentration | Units | Q |
|-----------|-----------------------------|-------------|--------|---------------|-------|---|
| 108-38-3  | m,p-xylene                  | C 824 -7354 | 0.0078 | 0.0078        | mg/M3 | U |
| 95-47-6   | o-xylene                    | C 824 -7354 | 0.0063 | 0.0063        | mg/M3 | U |
| 100-42-5  | Styrene                     | C 824 -7354 | 0.0036 | 0.0036        | mg/M3 | U |
| 98-82-8   | Isopropylbenzene            | C 824 -7354 | 0.0030 | 0.0030        | mg/M3 | U |
| 75-25-2   | Bromoform                   | C 824 -7354 | 0.0066 | 0.0066        | mg/M3 | U |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | C 824 -7354 | 0.0096 | 0.0096        | mg/M3 | U |
| 96-18-4   | 1,2,3-Trichloropropane      | C 824 -7354 | 0.022  | 0.022         | mg/M3 | U |
| 103-65-1  | n-Propylbenzene             | C 824 -7354 | 0.0066 | 0.0066        | mg/M3 | U |
| 108-86-1  | Bromobenzene                | C 824 -7354 | 0.0090 | 0.0090        | mg/M3 | U |
| 108-67-8  | 1,3,5-Trimethylbenzene      | C 824 -7354 | 0.0051 | 0.0051        | mg/M3 | U |
| 95-49-8   | 2-Chlorotoluene             | C 824 -7354 | 0.0060 | 0.0060        | mg/M3 | U |
| 106-43-4  | 4-Chlorotoluene             | C 824 -7354 | 0.0096 | 0.0096        | mg/M3 | U |
| 99-87-6   | 4-Isopropyltoluene          | C 824 -7354 | 0.0045 | 0.0045        | mg/M3 | U |
| 95-63-6   | 1,2,4-trimethylbenzene      | C 824 -7354 | 0.0048 | 0.0048        | mg/M3 | U |
| 135-98-8  | sec-Butylbenzene            | C 824 -7354 | 0.0060 | 0.0060        | mg/M3 | U |
| 98-06-6   | tert-Butylbenzene           | C 824 -7354 | 0.0045 | 0.0045        | mg/M3 | U |
| 541-73-1  | 1,3 Dichlorobenzene         | C 824 -7354 | 0.0057 | 0.0057        | mg/M3 | U |
| 106-46-7  | 1,4-Dichlorobenzene         | C 824 -7354 | 0.0072 | 0.0072        | mg/M3 | U |
| 104-51-8  | n-Butylbenzene              | C 824 -7354 | 0.0066 | 0.0066        | mg/M3 | U |
| 95-50-1   | 1,2-Dichlorobenzene         | C 824 -7354 | 0.0033 | 0.0033        | mg/M3 | U |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | C 824 -7354 | 0.0072 | 0.0072        | mg/M3 | U |
| 120-82-1  | 1,2,4-Trichlorobenzene      | C 824 -7354 | 0.0072 | 0.0072        | mg/M3 | U |
| 87-68-3   | Hexachlorobutadiene         | C 824 -7354 | 0.0036 | 0.0036        | mg/M3 | U |
| 91-20-3   | Naphthalene                 | C 824 -7354 | 0.0063 | 0.0063        | mg/M3 | U |
| 87-61-6   | 1,2,3-Trichlorobenzene      | C 824 -7354 | 0.025  | 0.025         | mg/M3 | U |
| 1634-04-4 | MTBE                        | C 824 -7354 | 0.019  | 0.019         | mg/M3 | U |

## Surrogate Results

| Cas No    | Analyte              | File ID   | % Recovery | QC Limits   | Q |
|-----------|----------------------|-----------|------------|-------------|---|
| 460-00-4  | 4-BROMOFLUOROBENZENE | C824-7354 | 112.0 %    | ( 86 - 117) |   |
| 4774-33-8 | DIBROMOFLUOROMETHANE | C824-7354 | 73.8 %     | ( 64 - 148) |   |
| 2037-26-5 | TOLUENE-D8           | C824-7354 | 99.4 %     | ( 88 - 113) |   |



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

01/06/2003

## Volatiles - EPA 8260B in AIR

### Sample: P3949-2

Client Sample ID: Post Carbon 5L @ 234 cfm

Matrix: Air

Type: Grab

Collected: 12/30/2002 12:45

Volume: 5 L

Remarks:

Analyzed Date: 01/04/2003

## Analytical Results

| Cas No     | Analyte                   | File ID     | MDL    | Concentration | Units | Q |
|------------|---------------------------|-------------|--------|---------------|-------|---|
| 75-71-8    | Dichlorodifluoromethane   | C 824 -7355 | 0.019  | 0.019         | mg/M3 | U |
| 74-87-3    | Chloromethane             | C 824 -7355 | 0.012  | 0.012         | mg/M3 | U |
| 75-01-4    | Vinyl Chloride            | C 824 -7355 | 0.012  | 0.012         | mg/M3 | U |
| 74-83-9    | Bromomethane              | C 824 -7355 | 0.019  | 0.019         | mg/M3 | U |
| 75-00-3    | Chloroethane              | C 824 -7355 | 0.021  | 0.021         | mg/M3 | U |
| 75-69-4    | Trichlorofluoromethane    | C 824 -7355 | 0.0057 | 0.0057        | mg/M3 | U |
| 75-35-4    | 1,1-Dichloroethene        | C 824 -7355 | 0.0084 | 0.0084        | mg/M3 | U |
| 75-09-2    | Methylene Chloride        | C 824 -7355 | 0.042  | 0.042         | mg/M3 | U |
| 156-60-5   | t-1,2-Dichloroethene      | C 824 -7355 | 0.012  | 0.012         | mg/M3 | U |
| 75-34-3    | 1,1-Dichloroethane        | C 824 -7355 | 0.013  | 0.013         | mg/M3 | U |
| 590-20-7   | 2,2-Dichloropropane       | C 824 -7355 | 0.0090 | 0.0090        | mg/M3 | U |
| 156-59-2   | c-1,2-Dichloroethene      | C 824 -7355 | 0.013  | 0.25          | mg/M3 |   |
| 67-66-3    | Chloroform                | C 824 -7355 | 0.0078 | 0.0078        | mg/M3 | U |
| 74-97-5    | Bromochloromethane        | C 824 -7355 | 0.017  | 0.017         | mg/M3 | U |
| 71-55-6    | 1,1,1-Trichloroethane     | C 824 -7355 | 0.0093 | 0.0093        | mg/M3 | U |
| 563-58-6   | 1,1-Dichloropropene       | C 824 -7355 | 0.033  | 0.033         | mg/M3 | U |
| 56-23-5    | Carbon Tetrachloride      | C 824 -7355 | 0.0090 | 0.0090        | mg/M3 | U |
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| 79-01-6    | Trichloroethene           | C 824 -7355 | 0.010  | 0.12          | mg/M3 |   |
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| 75-27-4    | Bromodichloromethane      | C 824 -7355 | 0.0048 | 0.0048        | mg/M3 | U |
| 74-95-3    | Dibromomethane            | C 824 -7355 | 0.0069 | 0.0069        | mg/M3 | U |
| 10061-01-5 | c-1,3-Dichloropropene     | C 824 -7355 | 0.024  | 0.024         | mg/M3 | U |
| 108-88-3   | Toluene                   | C 824 -7355 | 0.0063 | 0.0063        | mg/M3 | U |
| 10061-02-6 | t-1,3-Dichloropropene     | C 824 -7355 | 0.024  | 0.024         | mg/M3 | U |
| 79-00-5    | 1,1,2-Trichloroethane     | C 824 -7355 | 0.0051 | 0.0051        | mg/M3 | U |
| 142-28-9   | 1,3-Dichloropropane       | C 824 -7355 | 0.0093 | 0.0093        | mg/M3 | U |
| 127-18-4   | Tetrachloroethene         | C 824 -7355 | 0.0051 | 0.0051        | mg/M3 | U |
| 124-48-1   | Dibromochloromethane      | C 824 -7355 | 0.0054 | 0.0054        | mg/M3 | U |
| 106-93-4   | 1,2-Dibromoethane         | C 824 -7355 | 0.0051 | 0.0051        | mg/M3 | U |
| 108-90-7   | Chlorobenzene             | C 824 -7355 | 0.0048 | 0.0048        | mg/M3 | U |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | C 824 -7355 | 0.0057 | 0.0057        | mg/M3 | U |
| 100-41-4   | Ethylbenzene              | C 824 -7355 | 0.0051 | 0.0051        | mg/M3 | U |



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

01/06/2003

## Volatiles - EPA 8260B in AIR

### Sample: P3949-2...continue

Client Sample ID: Post Carbon 5L @ 234 cfm  
Matrix: Air Type: Grab  
Remarks:  
Analyzed Date: 01/04/2003

Collected: 12/30/2002 12:45  
Volume: 5 L

### Analytical Results

| Cas No    | Analyte                     | File ID     | MDL    | Concentration | Units | Q |
|-----------|-----------------------------|-------------|--------|---------------|-------|---|
| 108-38-3  | m,p-xylene                  | C 824 -7355 | 0.0078 | 0.0078        | mg/M3 | U |
| 95-47-6   | o-xylene                    | C 824 -7355 | 0.0063 | 0.0063        | mg/M3 | U |
| 100-42-5  | Styrene                     | C 824 -7355 | 0.0036 | 0.0036        | mg/M3 | U |
| 98-82-8   | Isopropylbenzene            | C 824 -7355 | 0.0030 | 0.0030        | mg/M3 | U |
| 75-25-2   | Bromoform                   | C 824 -7355 | 0.0066 | 0.0066        | mg/M3 | U |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | C 824 -7355 | 0.0096 | 0.0096        | mg/M3 | U |
| 96-18-4   | 1,2,3-Trichloropropane      | C 824 -7355 | 0.022  | 0.022         | mg/M3 | U |
| 103-65-1  | n-Propylbenzene             | C 824 -7355 | 0.0066 | 0.0066        | mg/M3 | U |
| 108-86-1  | Bromobenzene                | C 824 -7355 | 0.0090 | 0.0090        | mg/M3 | U |
| 108-67-8  | 1,3,5-Trimethylbenzene      | C 824 -7355 | 0.0051 | 0.0051        | mg/M3 | U |
| 95-49-8   | 2-Chlorotoluene             | C 824 -7355 | 0.0060 | 0.0060        | mg/M3 | U |
| 106-43-4  | 4-Chlorotoluene             | C 824 -7355 | 0.0096 | 0.0096        | mg/M3 | U |
| 99-87-6   | 4-Isopropyltoluene          | C 824 -7355 | 0.0045 | 0.0045        | mg/M3 | U |
| 95-63-6   | 1,2,4-trimethylbenzene      | C 824 -7355 | 0.0048 | 0.0048        | mg/M3 | U |
| 135-98-8  | sec-Butylbenzene            | C 824 -7355 | 0.0060 | 0.0060        | mg/M3 | U |
| 98-06-6   | tert-Butylbenzene           | C 824 -7355 | 0.0045 | 0.0045        | mg/M3 | U |
| 541-73-1  | 1,3 Dichlorobenzene         | C 824 -7355 | 0.0057 | 0.0057        | mg/M3 | U |
| 106-46-7  | 1,4-Dichlorobenzene         | C 824 -7355 | 0.0072 | 0.0072        | mg/M3 | U |
| 104-51-8  | n-Butylbenzene              | C 824 -7355 | 0.0066 | 0.0066        | mg/M3 | U |
| 95-50-1   | 1,2-Dichlorobenzene         | C 824 -7355 | 0.0033 | 0.0033        | mg/M3 | U |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | C 824 -7355 | 0.0072 | 0.0072        | mg/M3 | U |
| 120-82-1  | 1,2,4-Trichlorobenzene      | C 824 -7355 | 0.0072 | 0.0072        | mg/M3 | U |
| 87-68-3   | Hexachlorobutadiene         | C 824 -7355 | 0.0036 | 0.0036        | mg/M3 | U |
| 91-20-3   | Naphthalene                 | C 824 -7355 | 0.0063 | 0.0063        | mg/M3 | U |
| 87-61-6   | 1,2,3-Trichlorobenzene      | C 824 -7355 | 0.025  | 0.025         | mg/M3 | U |
| 1634-04-4 | MTBE                        | C 824 -7355 | 0.019  | 0.019         | mg/M3 | U |

### Surrogate Results

| Cas No    | Analyte              | File ID   | % Recovery | QC Limits   | Q |
|-----------|----------------------|-----------|------------|-------------|---|
| 460-00-4  | 4-BROMOFLUOROBENZENE | C824-7355 | 113.0 %    | ( 86 - 117) |   |
| 4774-33-8 | DIBROMOFLUOROMETHANE | C824-7355 | 67.9 %     | ( 64 - 148) |   |
| 2037-26-5 | TOLUENE-D8           | C824-7355 | 101.0 %    | ( 88 - 113) |   |



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

01/06/2003

## Case Narrative

8260:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

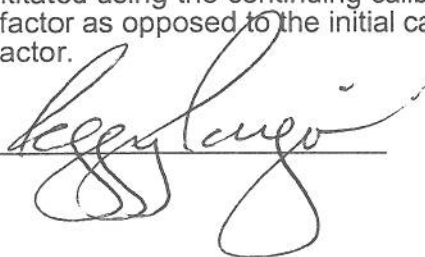
Acetone  
2-Butanone  
4-Methyl-2-pentanone  
2-Hexanone

M&P-Xylenes were calibrated at 10, 40, 100, 200 and 300 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Samples were quantitated using the continuing calibration standard response factor as opposed to the initial calibration average response factor.

Reviewed by: \_\_\_\_\_



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

01/06/2003

## ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is a non-detect.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.
- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution. In the case of a surrogate this flag indicates a system monitoring compound diluted out.

## INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected.

Q - Qualifier specific entries and their meanings are as follows:

- E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

## OTHER QUALIFIERS

- ND - Not Detected
- NA - Not Applicable
- NR - Not Required
- \* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)

## OTHER

- All soil and sediment samples are reported on a dry weight basis.



# CHAIN OF CUSTODY DOCUMENT

03949

|                                                                                                                                                                                        |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------|--|
| Project Name: W. 30th St. & 1st St.                                                                                                                                                    |        | Project Manager: D. H. H. H. |      | Sampler (Signature): [Signature]                                                                                                                                                                                |                 | (Print): D. H. H. H.                                                                                          |  |
| Project Address: 1500 W. 30th St. & 1st St.                                                                                                                                            |        | Client: ANSON J/N: 11002     |      | <input type="checkbox"/> Rush by 1/1<br>Type: SS = Split Spoon, G = Grab, C = Composite, B = Blank<br>Matrix: L = Liquid, S = Soil, SL = Sludge, A* = Air, W = Wipe<br>*Air - Vol. (Liters) include: Flow (CFM) |                 | 601602<br>BTX/TEX<br>MTBE<br>624/8260/8021<br>PCB/Pesticides<br>RCRA Metals<br>PH/Flash/React<br>418.1 - TRPH |  |
| SAMPLE INFO<br>Type: SS = Split Spoon, G = Grab, C = Composite, B = Blank<br>Matrix: L = Liquid, S = Soil, SL = Sludge, A* = Air, W = Wipe<br>*Air - Vol. (Liters) include: Flow (CFM) |        | Total # Cont.                |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| ID                                                                                                                                                                                     | Date   | Time                         | Type | Matrix                                                                                                                                                                                                          | Sample Location |                                                                                                               |  |
| 1                                                                                                                                                                                      | 1/1/00 | 6                            | A    | Soil                                                                                                                                                                                                            | 52 x 210 ft     | 1                                                                                                             |  |
| 2                                                                                                                                                                                      | 1/1/00 | 6                            | A    | Soil                                                                                                                                                                                                            | 52 x 210 ft     | 1                                                                                                             |  |
| 3                                                                                                                                                                                      |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 4                                                                                                                                                                                      |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 5                                                                                                                                                                                      |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 6                                                                                                                                                                                      |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 7                                                                                                                                                                                      |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 8                                                                                                                                                                                      |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 9                                                                                                                                                                                      |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 10                                                                                                                                                                                     |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 11                                                                                                                                                                                     |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 12                                                                                                                                                                                     |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 13                                                                                                                                                                                     |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 14                                                                                                                                                                                     |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| 15                                                                                                                                                                                     |        |                              |      |                                                                                                                                                                                                                 |                 |                                                                                                               |  |
| Relinquished by (Signature): [Signature]                                                                                                                                               |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Received by (Signature): [Signature]                                                                          |  |
| Relinquished by (Signature): [Signature]                                                                                                                                               |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Received for Lab by (Signature): [Signature]                                                                  |  |
| Comments & Special Instructions                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |
|                                                                                                                                                                                        |        | Date: 1/1/00                 |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Date: 1/1/00                                                                                                  |  |
|                                                                                                                                                                                        |        | Time: 17:15                  |      | Printed Name & Agent: D. H. H. H.                                                                                                                                                                               |                 | Time: 17:15                                                                                                   |  |

SHIPPING COPY

**Appendix C**  
**NYSDOH Quarterly Air Sampling Data**

**SUMMARY OF TETRACHLOROETHENE CONCENTRATIONS IN AIR SAMPLES**  
123 POST AVENUE SITE (NO. 1-30-088)

| Sampling location                    | Result (mcg/m <sup>3</sup> ) |              |              |               |              |              |               |              |              |              |               |
|--------------------------------------|------------------------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
|                                      | 02/20-21/2001                | 3/27-28/2001 | 4/18-19/2001 | 5/16-17/2001  | 6/27-28/2001 | 9/10-11/2001 | 11/29-30/2001 | 3/19-20/2002 | 6/12-14/2002 | 9/17-18/2002 | 12/17-18/2002 |
| Westbury Chiropractic Center         |                              |              |              |               |              |              |               |              |              |              |               |
| 1st Floor Waiting Room               | 1,520 and 1,580              | NS           | NS           | 192           | 44           | NS           | NS            | 5 and 5      | 14 and 14*   | 22 and 23 *  | 6.6 and 6.2 * |
| 1st Floor Rear Office                | 1,770                        | NS           | NS           | 192           | 50           | NS           | NS            | 5            | NS           | NS           | NS            |
| Super Super Convenience Store        |                              |              |              |               |              |              |               |              |              |              |               |
| 1st Floor Counter Area               | 400                          | NS           | NS           | NS            | 14           | NS           | 7             | 5 [PL]       | 7            | 13           | <0.7          |
| Rear of Store                        | NS                           | NS           | NS           | 45.3          | NS           | NS           | NS            | NS           | NS           | NS           | NS            |
| Common Basement                      | 1,900 and 1,930              | NS           | NS           | 831 and 1,020 | 86 and 96    | NS           | 15 and 16     | 5 and 8 [SU] | 20           | 41           | 6.9           |
| John's Custom Tailor                 |                              |              |              |               |              |              |               |              |              |              |               |
| 127 Post Ave.                        |                              |              |              |               |              |              |               |              |              |              |               |
| 1st Floor Work Room                  | NS                           | 1540         | NS           | 203           | NS           | NS           | NS            | NS           | NS           | NS           | NS            |
| 1st Floor Near Counter               | NS                           | NS           | NS           | NS            | 51           | NS           | 10            | 7            | 20           | 23           | 32            |
| Westbury Terrace Condominiums        |                              |              |              |               |              |              |               |              |              |              |               |
| 135 Post Ave.                        |                              |              |              |               |              |              |               |              |              |              |               |
| 1st Floor - Manager's Office         | NS                           | 500          | NS           | NS            | NS           | NS           | NS            | NS           | NS           | NS           | NS            |
| 1st Floor Workshop                   | NS                           | NS           | 29.3         | 3.2           | NS           | NS           | NS            | NS           | NS           | NS           | NS            |
| 1st Floor - Hall Outside Supt's Apt. | NS                           | NS           | 664          | NS            | NS           | NS           | 8             | NS           | NS           | NS           | NS            |
| Boiler Room, South Wing              | NS                           | < 5          | NS           | NS            | NS           | NS           | NS            | NS           | NS           | NS           | NS            |
| 1st Floor Lobby                      | NS                           | 95           | NS           | 61.6          | 5 [PL]       | NS           | 16            | 8            | 2            | 3.6          | 18            |
| 6th Floor Stairwell Landing          | NS                           | NS           | NS           | 93.6          | 5 [PL]       | NS           | 9             | 5 [PL]       | NS           | NS           | NS            |
| Hallway outside Apt. 3R              | NS                           | NS           | NS           | 66.4          | 5 [PL]       | NS           | 5             | 5 [PL]       | NS           | NS           | NS            |
| Apt. 2R - Living Room                | NS                           | NS           | NS           | 5.1           | NS           | NS           | NS            | NS           | NS           | NS           | NS            |
| 1st Floor Meter Room                 | NS                           | NS           | NS           | 6.3 and 5.4   | NS           | NS           | NS            | NS           | NS           | NS           | NS            |
| Gomez Residence                      |                              |              |              |               |              |              |               |              |              |              |               |
| 135 Post Ave.                        |                              |              |              |               |              |              |               |              |              |              |               |
| 1st Floor - Supt's Living Room       | NS                           | 7,300        | 7,400        | 464           | 12           | 10           | NS            | 9 and 10     | 5 and 6*     | 25 and 22*   | 349 and 356*  |
| 1st Floor - Daughter's Bedroom       | NS                           | NS           | NS           | 233           | NS           | 12           | NS            | NS           | NS           | NS           | NS            |
| 1st Floor - Supt's Master Bedroom    | NS                           | NS           | 4,800        | NS            | 17           | 12           | NS            | 12           | 7            | 24           | 441           |
| 1st Floor - 3rd (Far) Bedroom        | NS                           | NS           | NS           | NS            | 11           | NS           | NS            | 9            | 7            | 20           | 210           |
| Selassel Residence                   |                              |              |              |               |              |              |               |              |              |              |               |
| 125A Post Ave.                       |                              |              |              |               |              |              |               |              |              |              |               |
| 2nd Floor Kitchen                    | NS                           | 750          | NS           | 98.8          | 7            | NS           | NS            | NS           | NS           | NS           | NS            |
| Hernandez Residence                  |                              |              |              |               |              |              |               |              |              |              |               |
| 125B Post Ave.                       |                              |              |              |               |              |              |               |              |              |              |               |
| 2nd Floor Bedroom                    | NS                           | 700          | NS           | NS            | 18           | NS           | NS            | NS           | 14           | NS           | NS            |
| Selassel Residence                   |                              |              |              |               |              |              |               |              |              |              |               |
| 125A Post Ave.                       |                              |              |              |               |              |              |               |              |              |              |               |
| 2nd Floor Living Room                | NS                           | NS           | NS           | NS            | NS           | NS           | NS            | NS           | NS           | 7.7          | 6.6           |
| Outdoor sample                       | 15                           | 15 and 16    | NS           | 1.4           | 5 [PL]       | NS           | 5 [PL]        | 5 [PL]       | 3            | 4.5          | <0.7          |
| Trip Blank                           | 0.008 mcg                    | 0.01 mcg     | 0.17 mcg     | 0.015         | 0.01 mcg     | 0.02 mcg     | < 0.01 mcg    | 0.01 mcg     | NS           | NS           | NS            |

Notes: The symbol "<" means "less than." A concentration preceded by this symbol means that the compound was not detected in the sample.  
The [PL] notation indicates that the compound was present in the sample, but at a concentration less than the detection limit.  
The [SU] notation indicates that the reported concentration is suspect.  
\* Duplicate Sample.

## **Appendix D**

### **Maps and Distances**



MICROSOFT AUTOMAP  
**Streets Plus**

Subject Site  
**Westbury Valet Dry Cleaners, 123 Post Ave, Westbury, NY 11590**

# Distances Based on Maps

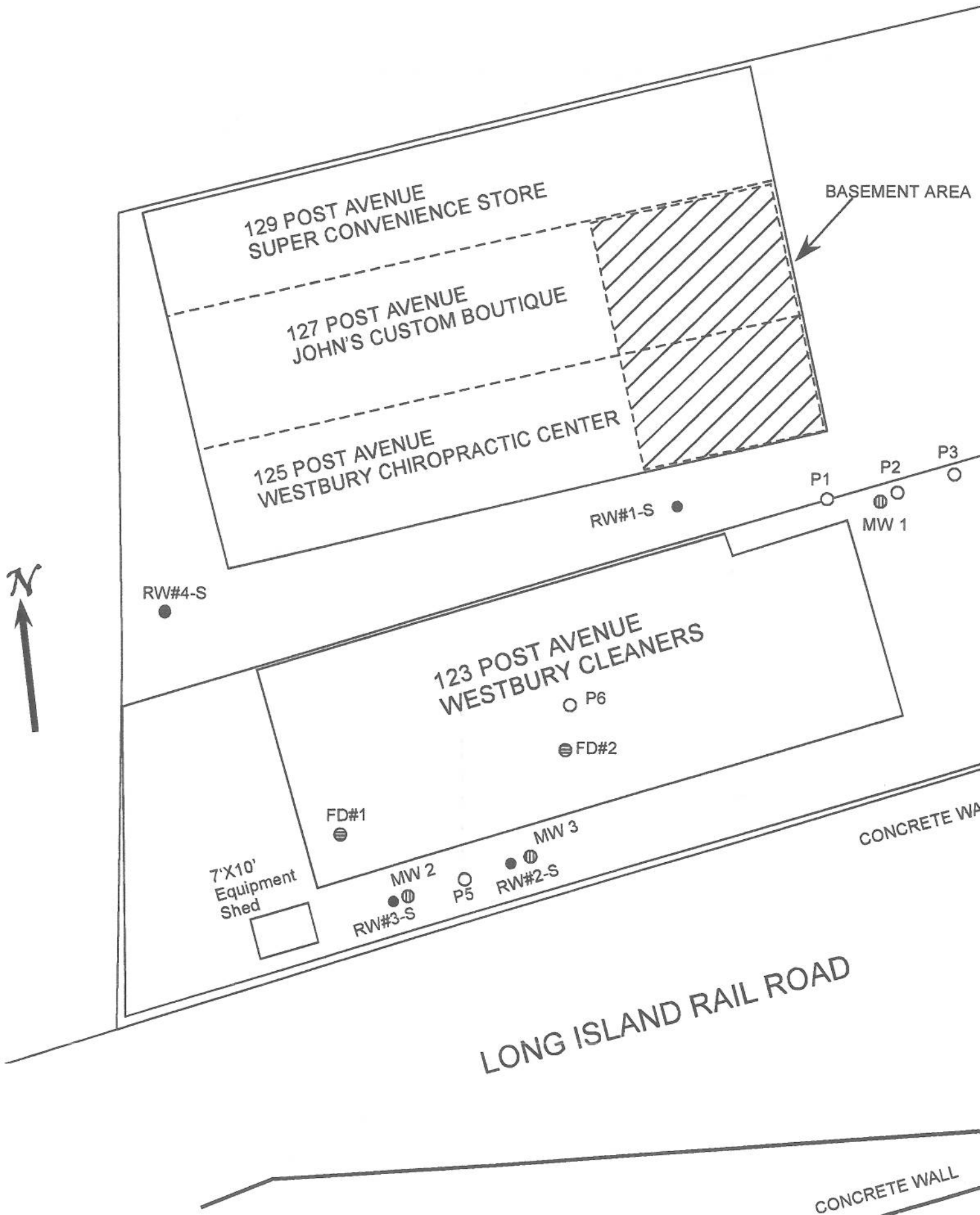
## New Well Locations

|         |       |
|---------|-------|
| RW1-P1  | 24 ft |
| RW1-P2  | 36 ft |
| RW1-P3  | 45 ft |
| RW1-P4  | 55 ft |
| RW1-P5  | 70 ft |
| RW1-P6  | 37 ft |
| RW1-RW2 | 64 ft |
| RW1-RW3 | 79 ft |
| RW1-RW4 | 85 ft |
| RW1-MW1 | 33 ft |
| RW1-MW2 | 77 ft |
| RW1-MW3 | 62 ft |

|         |          |
|---------|----------|
| RW2-P1  | 78.5 ft  |
| RW2-P2  | 87 ft    |
| RW2-P3  | 96 ft    |
| RW2-P4  | 104.5 ft |
| RW2-P5  | 8 ft     |
| RW2-P6  | 27.5 ft  |
| RW2-RW1 | 64 ft    |
| RW2-RW3 | 20 ft    |
| RW2-RW4 | 69.5 ft  |
| RW2-MW1 | 84 ft    |
| RW2-MW2 | 17.5 ft  |
| RW2-MW3 | 3.5 ft   |

|         |          |
|---------|----------|
| RW3-P1  | 96 ft    |
| RW3-P2  | 105.5 ft |
| RW3-P3  | 114.5 ft |
| RW3-P4  | 123.5 ft |
| RW3-P5  | 12 ft    |
| RW3-P6  | 43 ft    |
| RW3-RW1 | 79 ft    |
| RW3-RW2 | 20 ft    |
| RW3-RW4 | 60 ft    |
| RW3-MW1 | 102.5 ft |
| RW3-MW2 | 2.5 ft   |
| RW3-MW3 | 23.5 ft  |

|                                  |          |
|----------------------------------|----------|
| RW4-P1                           | 108.5 ft |
| RW4-P2                           | 120.5 ft |
| RW4-P3                           | 129.5 ft |
| RW4-P4                           | 139.5 ft |
| RW4-P5                           | 65 ft    |
| RW4-P6                           | 67.5 ft  |
| RW4-RW1                          | 85 ft    |
| RW4-RW2                          | 69.5 ft  |
| RW4-RW3                          | 60 ft    |
| RW4-MW1                          | 117 ft   |
| RW4-MW2                          | 66 ft    |
| RW4-MW3                          | 71.5 ft  |
| RW4-129<br>Post Ave<br>NW Corner | 65 ft    |



## **Appendix E**

### **Field Logs and Data Sheets**

Could not use redi for pump  
for MW#3

Decided to hand bail  
each of MW#2 & MW#3

1505 Collected 2 grab samples  
(40 ml) from MW#2  
Filled with sediment.  
MW#2 can't be purged  
with the amount of  
water in well.

1510 TEAM is at MW#3. We  
will use the same 40 ml  
vial grab sample & string  
technique to collect MW#3  
GW & sediment samples

1530 TEAM off-site

9/26/02 Matt & Dan on-site

Entered 5" diameter drums of water  
for disposal into local sewer.

SYSTEM IS POWERED ON

11/15/02 Matt on-site @ 1215

Conducting system check to begin pumping procedure.  
Remove approximately 4 gallons from MG  
off-site @ 1245

12/23/02 Matt and Dan on-site @ 1310

Tuned on SVES after one month pumping off.

12/30/02 Matt & Justin on-site @ 1225

To conduct system check after pulsing plan  
month one. Sunny 45°F 2-3" snow  
left on ground

System on upon arrival. Empirical approx  
4 gal of water from MG. Collecting air  
by sample from pie & post across locations  
off site @ 1350

01/13/03 J. Teixeira on-site to  
perform audit/draws. NOTED  
that FD#1 is gashed over  
top in the 3rd  
COMP. BLDG TO WEST = 7 STORIES  
INCLUDING GROUND FLOOR.  
SVES IS RUNNING ON  
ARRIVAL & DEPARTURE

123 Post Ave  
Westbury, NY

# O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 12/30/07

Inspected By: M.H. Schickstein

| Control Panel    | Arrival              | Departure       |
|------------------|----------------------|-----------------|
| System           | <u>On</u> / Off      | <u>On</u> / Off |
| SVE Relief Valve | Open / <u>Closed</u> | <u>0</u> cfm    |

## SVE SYSTEM INSIDE TRAILER

|                                 |                             |
|---------------------------------|-----------------------------|
| Was Moisture Separator Emptied? | <u>Yes</u> / No             |
| Moisture Disposal Drum          | F / 75 / 50 / <u>25</u> / E |

## SVE WELL READINGS (INSIDE TRAILER)

| SVE WELL # | Flow   | PID Readings | Vacuum             | Ball Valve                  |
|------------|--------|--------------|--------------------|-----------------------------|
| RW1-S      | 39 cfm | 0.0 ppm      | 10 inches of Water | <u>0</u> / 75 / 50 / 25 / C |
| RW2-S      | 58 cfm | 0.0 ppm      | 8 inches of Water  | <u>0</u> / 75 / 50 / 25 / C |
| RW3-S      | 65 cfm | 3.7 ppm      | 16 inches of Water | <u>0</u> / 75 / 50 / 25 / C |
| RW4-S      | 45 cfm | 0.5 ppm      | 13 inches of Water | <u>0</u> / 75 / 50 / 25 / C |
|            | cfm    | ppm          | inches of Water    | 0 / 75 / 50 / 25 / C        |
|            | cfm    | ppm          | inches of Water    | 0 / 75 / 50 / 25 / C        |
|            | cfm    | ppm          | inches of Water    | 0 / 75 / 50 / 25 / C        |
|            | cfm    | ppm          | inches of Water    | 0 / 75 / 50 / 25 / C        |

## SVE SYSTEM FLOW

|          | Pre-Blower              | Post Blower               | Exhaust        | Moisture Separ.         |
|----------|-------------------------|---------------------------|----------------|-------------------------|
| Vacuum   | <u>42</u> inch of water |                           |                | <u>39</u> inch of Water |
| Pressure |                         | <u>12</u> inches of water |                |                         |
| Flow     | <u>210</u> cfm          | <u>210</u> cfm            | <u>234</u> cfm |                         |

## CARBON SYSTEM

|        | Pre-Carbon          | Between Carbon      | Post Carbon         | Notes |
|--------|---------------------|---------------------|---------------------|-------|
| PID    | <u>0.8</u> ppm      | <u>1.6</u> ppm      | <u>0.0</u> ppm      |       |
| Gastec | <u>-</u> ppm        | <u>-</u> ppm        | <u>-</u> ppm        |       |
| Temp   | <u>45</u> degrees F | <u>45</u> degrees F | <u>45</u> degrees F |       |

## SVE Radius of Influence

| Piezometer ID | Vacuum (inches of water) | Piezometer ID | Vacuum (inches of water) | Notes |
|---------------|--------------------------|---------------|--------------------------|-------|
| P-1           | <u>/</u>                 | P-6           | <u>/</u>                 |       |
| P-2           | <u>/</u>                 |               |                          |       |
| P-3           | <u>/</u>                 |               |                          |       |
| P-4           | <u>/</u>                 |               |                          |       |
| P-5           | <u>/</u>                 |               |                          |       |