

*Remedial Investigation
Report*

Appendices

Hazardous Waste Disposal, Inc.
Farmingdale, New York

April 2000

APPENDIX A
LABORATORY ANALYTICAL DATA PACKAGES

APPENDIX B
DATA USABILITY REPORT

BLASLAND, BOUCK & LEE, INC.
LABORATORY DATA REVIEW REPORT

Project: Hazardous Waste Disposal, Inc.
 Analytical Laboratory: STL Envirotech
 Laboratory Report Identification Number: W0081, W117, W234, W0082
 Date of Laboratory Report: January 12 and 24, 2000
 Date of Review: February 23, 2000
 Reviewer: Laurie Indick
 Number of Samples: 11
 Sample Matrix: 9-soil; 2-water
 Date of Collection: 12/9/99-12/17/99
 Sample Analysis: Volatiles

Quality Control Checks

- | | | | |
|---|------------|----|-----------------------|
| 1. Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. All documentation supplied | <u>yes</u> | no | not applicable |
| 4. Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | <u>yes</u> | no | not applicable |
| - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes: _____

All data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: SemivolatilesQuality Control Checks

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|----|--|------------|-----------|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| | - %D, continuing calibration | <u>yes</u> | no | not applicable |
| | - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| | - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| | - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| | - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, matrix spike | <u>yes</u> | no | not applicable |
| | - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | yes | <u>no</u> | not applicable |

Notes: _____

Di-n-butyl phthalate and bis(2-ethylhexyl)phthalate were detected in one of the method blanks. Based on the blank content, data for bis(2-ethylhexyl)phthalate has been qualified as undetected in samples SB-06A(8-10), SB-06B(12-14), SB-07A(8-10) and SB-07B(12-14). In addition to the listed target compounds, several nontarget compounds were detected in the method blanks. When common to the blanks and samples, their presence in the samples have been rejected.

Other than for the deviation noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use

as reported by the laboratory.

Sample Analysis: PesticidesQuality Control Checks

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|---|------------|----|-----------------------|
| 1. Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. All documentation supplied | <u>yes</u> | no | not applicable |
| 4. Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | <u>yes</u> | no | not applicable |
| - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes: _____

All data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: PCBsQuality Control Checks

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|---|------------|-----------|-----------------------|
| 1. Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. All documentation supplied | <u>yes</u> | no | not applicable |
| 4. Samples analyzed within specified holding times | yes | <u>no</u> | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | <u>yes</u> | no | not applicable |
| - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes:

Samples SB-08A(0-2), SB-08B(12-14), BD120999, SB-16A(0-2) and SB-16B(12-14) were extracted over the ASP-specified holding time. Since all samples were extracted within the technical holding time, no data have been qualified based on the deviation.

Other than for the deviation noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: InorganicsQuality Control Checks

| | | | | |
|----|--|------------|-----------|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %R, initial calibration | <u>yes</u> | no | not applicable |
| | - %R, continuing calibration | <u>yes</u> | no | not applicable |
| | - %Recovery, matrix spike | yes | <u>no</u> | not applicable |
| | - %Recovery, blank spike | yes | no | <u>not applicable</u> |
| | - %Recovery, control sample | <u>yes</u> | no | not applicable |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, laboratory duplicate | <u>yes</u> | no | not applicable |
| | - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | yes | <u>no</u> | not applicable |

Notes: _____

Matrix spike recovery was above control limits for manganese and below control limits for antimony. All soil manganese and antimony data have been qualified as estimated based on the recoveries.

Aluminum and calcium was detected in the field blanks. Based on the blank content, data for calcium in samples SB-06A(8-10), SB-06B(12-14), SB-07B(12-14) and SB-08B(12-14) should be considered suspect.

Other than for the deviations noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use

as reported by the laboratory.

Sample Analysis: TOCQuality Control Checks

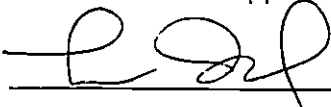
- | | | | |
|---|--------------------------------------|-------------------------------------|---|
| 1. Field Chain-of-Custody complete | <input checked="" type="radio"/> yes | no | not applicable |
| 2. Proper methods for analysis used | <input checked="" type="radio"/> yes | no | not applicable |
| 3. All documentation supplied | yes | <input checked="" type="radio"/> no | not applicable |
| 4. Samples analyzed within specified holding times | <input checked="" type="radio"/> yes | no | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | <input checked="" type="radio"/> yes | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %R, initial calibration | <input checked="" type="radio"/> yes | no | not applicable |
| - %R, continuing calibration | <input checked="" type="radio"/> yes | no | not applicable |
| - %Recovery, matrix spike | <input checked="" type="radio"/> yes | no | not applicable |
| - %Recovery, blank spike | yes | no | <input checked="" type="radio"/> not applicable |
| - %Recovery, control sample | <input checked="" type="radio"/> yes | no | not applicable |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | <input checked="" type="radio"/> yes | no | not applicable |
| - RPD, field duplicate | <input checked="" type="radio"/> yes | no | not applicable |
| 8. Target analyte concentrations below reporting limit in all blank samples | <input checked="" type="radio"/> yes | no | not applicable |

Notes: _____

No raw data for included for samples SB-07A(8-10), SB-07B(12-14) and
FB120999. Data for these samples have been evaluated based on summarized
QC results.

All reported data quality parameters were within method specifications and the
data is considered acceptable for use as reported by the laboratory.

Reviewed and Approved:

A handwritten signature in black ink, appearing to be 'E. J. P.', written over a horizontal line.

Quality Assurance Manager

Project Manager

SAMPLE COMPLIANCE REPORT

Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Sample Delivery Group | Sampling Date | ASP Protocol | Sample ID | Matrix | Compliance ¹ | | | | | Noncompliance |
|-----------------------|---------------|--------------|---------------|--------|-------------------------|-----|-----|------|-----|--------------------------------------|
| | | | | | VOA | BNA | PCB | PEST | TAL | |
| W0081 | 12/9/99 | 1995 | SB-08A(0-2) | soil | yes | yes | no | yes | no | TAL - ms PCB - ht ³ |
| W0081 | 12/9/99 | 1995 | SB-08B(12-14) | soil | yes | yes | no | yes | no | TAL - ms PCB - ht ³ |
| W0081 | 12/9/99 | 1995 | FB120999 | water | yes | yes | yes | yes | yes | |
| W0081 | 12/9/99 | 1995 | BD120999 | soil | yes | yes | no | yes | no | TAL - ms PCB - ht ³ |
| W0081 | 12/9/99 | 1995 | SB-16A(0-2) | soil | yes | yes | no | -- | no | TAL - ms PCB - ht ³ |
| W0081 | 12/9/99 | 1995 | SB-16B(12-14) | soil | yes | yes | no | -- | no | TAL - ms PCB - ht ³ |
| W0081 | 12/14/99 | 1995 | SB-07A(8-10) | soil | yes | no | yes | -- | no | BNA - blank ² TAL - ms |
| W0081 | 12/14/99 | 1995 | SB-07B(12-14) | soil | yes | no | yes | -- | no | BNA - blank ² TAL - ms |
| W0081 | 12/16/99 | 1995 | SB-06A(8-10) | soil | yes | no | yes | -- | no | BNA - blank ² TAL - ms |
| W0081 | 12/16/99 | 1995 | SB-06B(12-14) | soil | yes | no | yes | -- | no | BNA - blank ² TAL - ms |
| W0081 | 12/17/99 | 1995 | FB121799 | water | yes | yes | yes | -- | yes | |
| | | | | | | | | | | |
| | | | | | | | | | | |

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 Although the deviation resulted in the qualification of data, the laboratory was method compliant.
- 3 The noncompliance resulted in no qualification of data.

Corrected Laboratory Report Sheets

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-06B_12-14

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W0081

Matrix: (soil/water) SOIL

Lab Sample ID: 175792

Sample wt/vol: 4.9 (g/mL) g

Lab File ID: J9322

Level: (low/med) LOW

Date Received: 12/17/99

% Moisture: not dec. 10

Date Analyzed: 12/23/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-07A_8-10

| | | |
|---------------------------------|---------------|---------------------------------|
| Lab Name: STL Envirotech | Contract: N/A | |
| Lab Code: N/A | Case No.: N/A | SAS No.: N/A |
| | | SDG No.: W0081 |
| Matrix: (soil/water) SOIL | | Lab Sample ID: 174987 |
| Sample wt/vol: 5.0 (g/mL) G | | Lab File ID: J9323 |
| Level: (low/med) LOW | | Date Received: 12/15/99 |
| % Moisture: not dec. 7 | | Date Analyzed: 12/23/99 |
| GC Column: DB624 | ID: 0.53 (mm) | Dilution Factor: 1.0 |
| Soil Extract Volume: _____ (mL) | | Soil Aliquot Volume: _____ (uL) |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|------------|---------------------------------|---|---|
| 74-87-3 | -----Chloromethane | 11 | U |
| 74-83-9 | -----Bromomethane | 11 | U |
| 75-01-4 | -----Vinyl Chloride | 11 | U |
| 75-00-3 | -----Chloroethane | 11 | U |
| 75-09-2 | -----Methylene Chloride | 2 | J |
| 67-64-1 | -----Acetone | 120 | |
| 75-15-0 | -----Carbon Disulfide | 11 | U |
| 75-35-4 | -----1,1-Dichloroethene | 11 | U |
| 75-34-3 | -----1,1-Dichloroethane | 11 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 1 | J |
| 67-66-3 | -----Chloroform | 11 | U |
| 107-06-2 | -----1,2-Dichloroethane | 11 | U |
| 78-93-3 | -----2-Butanone | 19 | |
| 71-55-6 | -----1,1,1-Trichloroethane | 11 | U |
| 56-23-5 | -----Carbon Tetrachloride | 11 | U |
| 75-27-4 | -----Bromodichloromethane | 11 | U |
| 78-87-5 | -----1,2-Dichloropropane | 11 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 11 | U |
| 79-01-6 | -----Trichloroethene | 3 | J |
| 124-48-1 | -----Dibromochloromethane | 11 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 11 | U |
| 71-43-2 | -----Benzene | 11 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 11 | U |
| 75-25-2 | -----Bromoform | 11 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 11 | U |
| 591-78-6 | -----2-Hexanone | 11 | U |
| 127-18-4 | -----Tetrachloroethene | 26 | |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 11 | U |
| 108-88-3 | -----Toluene | 2 | J |
| 108-90-7 | -----Chlorobenzene | 11 | U |
| 100-41-4 | -----Ethylbenzene | 2 | J |
| 100-42-5 | -----Styrene | 11 | U |
| 1330-20-7 | -----Xylenes (Total) | 20 | |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-07A_8-10

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W0081

Matrix: (soil/water) SOIL

Lab Sample ID: 174987

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: J9323

Level: (low/med) LOW

Date Received: 12/15/99

% Moisture: not dec. 7

Date Analyzed: 12/23/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|------------------------------|-------|------------|---|
| 1. | UNKNOWN ALKANE | 16.82 | 6 | J |
| 2. | UNKNOWN ALKANE | 16.96 | 14 | J |
| 3. | UNKNOWN ALKANE | 17.16 | 26 | J |
| 4. | UNKNOWN ALKANE | 17.36 | 32 | J |
| 5. | UNKNOWN | 17.90 | 53 | J |
| 6. | UNKNOWN | 18.05 | 36 | J |
| 7. | C11H24 ALKANE | 18.28 | 84 | J |
| 8. | C10H20 CYCLOALKANE | 18.37 | 46 | J |
| 9. | TRIMETHYLBENZENE ISOMER/UNKN | 18.55 | 62 | J |
| 10. | UNKNOWN CYCLOALKANE | 18.76 | 61 | J |
| 11. | UNKNOWN | 18.86 | 50 | J |
| 12. | UNKNOWN HYDROCARBON | 19.31 | 130 | J |
| 13. | UNKNOWN ALKANE | 19.54 | 190 | J |
| 14. | UNKNOWN | 19.64 | 160 | J |
| 15. | UNKNOWN | 19.75 | 160 | J |
| 16. | DECAHYDROMETHYLNAPHTHALENE I | 20.42 | 180 | J |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-07B_12-14

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W0081

Matrix: (soil/water) SOIL

Lab Sample ID: 174988

Sample wt/vol: 4.9 (g/mL) g

Lab File ID: J9320

Level: (low/med) LOW

Date Received: 12/15/99

% Moisture: not dec. 16

Date Analyzed: 12/23/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|------------------------------|-------|------------|---|
| 1. | UNKNOWN ALKANE | 17.18 | 11 | J |
| 2. | UNKNOWN CYCLOALKANE | 17.92 | 13 | J |
| 3. | UNKNOWN CYCLOALKANE | 18.59 | 20 | J |
| 4. | UNKNOWN ALKANE | 19.07 | 17 | J |
| 5. | UNKNOWN ALKANE | 19.56 | 33 | J |
| 6. | UNKNOWN ALKANE/UNKNOWN | 19.78 | 47 | J |
| 7. | UNKNOWN | 20.10 | 17 | J |
| 8. | DECAHYDROMETHYLNAPHTHALENE I | 20.44 | 26 | J |
| 9. | DECAHYDROMETHYLNAPHTHALENE I | 20.76 | 45 | J |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-08A_0-2

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081
 Matrix: (soil/water) SOIL Lab Sample ID: 174183
 Sample wt/vol: 4.0 (g/mL) G Lab File ID: B1062
 Level: (low/med) MED Date Received: 12/10/99
 % Moisture: not dec. 8 Date Analyzed: 12/20/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 25 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|------------|---------------------------------|---|---|
| 74-87-3 | -----Chloromethane | 5400 | U |
| 74-83-9 | -----Bromomethane | 5400 | U |
| 75-01-4 | -----Vinyl Chloride | 5400 | U |
| 75-00-3 | -----Chloroethane | 5400 | U |
| 75-09-2 | -----Methylene Chloride | 5400 | U |
| 67-64-1 | -----Acetone | 5400 | U |
| 75-15-0 | -----Carbon Disulfide | 5400 | U |
| 75-35-4 | -----1,1-Dichloroethene | 5400 | U |
| 75-34-3 | -----1,1-Dichloroethane | 5400 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 5400 | U |
| 67-66-3 | -----Chloroform | 5400 | U |
| 107-06-2 | -----1,2-Dichloroethane | 5400 | U |
| 78-93-3 | -----2-Butanone | 5400 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 5400 | U |
| 56-23-5 | -----Carbon Tetrachloride | 5400 | U |
| 75-27-4 | -----Bromodichloromethane | 5400 | U |
| 78-87-5 | -----1,2-Dichloropropane | 5400 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 5400 | U |
| 79-01-6 | -----Trichloroethene | 5400 | U |
| 124-48-1 | -----Dibromochloromethane | 5400 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 5400 | U |
| 71-43-2 | -----Benzene | 5400 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 5400 | U |
| 75-25-2 | -----Bromoform | 5400 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 5400 | U |
| 591-78-6 | -----2-Hexanone | 5400 | U |
| 127-18-4 | -----Tetrachloroethene | 65000 | |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 5400 | U |
| 108-88-3 | -----Toluene | 5400 | U |
| 108-90-7 | -----Chlorobenzene | 5400 | U |
| 100-41-4 | -----Ethylbenzene | 5400 | U |
| 100-42-5 | -----Styrene | 5400 | U |
| 1330-20-7 | -----Xylenes (Total) | 5400 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-08A_0-2

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W0081

Matrix: (soil/water) SOIL

Lab Sample ID: 174183

Sample wt/vol: 4.0 (g/mL) g

Lab File ID: B1062

Level: (low/med) MED

Date Received: 12/10/99

% Moisture: not dec. 8

Date Analyzed: 12/20/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10000(uL)

Soil Aliquot Volume: 25(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-16A_0-2

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081
 Matrix: (soil/water) SOIL Lab Sample ID: 174193
 Sample wt/vol: 4.1 (g/mL) G Lab File ID: B1069
 Level: (low/med) MED Date Received: 12/10/99
 % Moisture: not dec. 8 Date Analyzed: 12/20/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 25 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|------------|----------------------------|---|---|
| 74-87-3 | Chloromethane | 5300 | U |
| 74-83-9 | Bromomethane | 5300 | U |
| 75-01-4 | Vinyl Chloride | 5300 | U |
| 75-00-3 | Chloroethane | 5300 | U |
| 75-09-2 | Methylene Chloride | 5300 | U |
| 67-64-1 | Acetone | 5300 | U |
| 75-15-0 | Carbon Disulfide | 5300 | U |
| 75-35-4 | 1,1-Dichloroethene | 5300 | U |
| 75-34-3 | 1,1-Dichloroethane | 5300 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5300 | U |
| 67-66-3 | Chloroform | 5300 | U |
| 107-06-2 | 1,2-Dichloroethane | 5300 | U |
| 78-93-3 | 2-Butanone | 5300 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5300 | U |
| 56-23-5 | Carbon Tetrachloride | 5300 | U |
| 75-27-4 | Bromodichloromethane | 5300 | U |
| 78-87-5 | 1,2-Dichloropropane | 5300 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5300 | U |
| 79-01-6 | Trichloroethene | 280 | J |
| 124-48-1 | Dibromochloromethane | 5300 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5300 | U |
| 71-43-2 | Benzene | 5300 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5300 | U |
| 75-25-2 | Bromoform | 5300 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5300 | U |
| 591-78-6 | 2-Hexanone | 5300 | U |
| 127-18-4 | Tetrachloroethene | 70000 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5300 | U |
| 108-88-3 | Toluene | 5300 | U |
| 108-90-7 | Chlorobenzene | 5300 | U |
| 100-41-4 | Ethylbenzene | 5300 | U |
| 100-42-5 | Styrene | 5300 | U |
| 1330-20-7 | Xylenes (Total) | 5300 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-16A_0-2

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W0081

Matrix: (soil/water) SOIL

Lab Sample ID: 174193

Sample wt/vol: 4.1 (g/mL) g

Lab File ID: B1069

Level: (low/med) MED

Date Received: 12/10/99

% Moisture: not dec. 8

Date Analyzed: 12/20/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10000(uL)

Soil Aliquot Volume: 25(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BD120999

| | | |
|---------------------------------|---------------|------------------------------|
| Lab Name: STL Envirotech | Contract: N/A | |
| Lab Code: N/A | Case No.: N/A | SAS No.: N/A |
| Matrix: (soil/water) SOIL | | SDG No.: W0081 |
| Sample wt/vol: 4.1 (g/mL) G | | Lab Sample ID: 174192 |
| Level: (low/med) MED | | Lab File ID: B1063 |
| % Moisture: not dec. 8 | | Date Received: 12/10/99 |
| GC Column: DB624 | ID: 0.53 (mm) | Date Analyzed: 12/20/99 |
| Soil Extract Volume: 10000 (uL) | | Dilution Factor: 1.0 |
| | | Soil Aliquot Volume: 25 (uL) |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|------------|----------------------------|---|---|
| 74-87-3 | Chloromethane | 5300 | U |
| 74-83-9 | Bromomethane | 5300 | U |
| 75-01-4 | Vinyl Chloride | 5300 | U |
| 75-00-3 | Chloroethane | 5300 | U |
| 75-09-2 | Methylene Chloride | 5300 | U |
| 67-64-1 | Acetone | 5300 | U |
| 75-15-0 | Carbon Disulfide | 5300 | U |
| 75-35-4 | 1,1-Dichloroethene | 5300 | U |
| 75-34-3 | 1,1-Dichloroethane | 5300 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5300 | U |
| 67-66-3 | Chloroform | 5300 | U |
| 107-06-2 | 1,2-Dichloroethane | 5300 | U |
| 78-93-3 | 2-Butanone | 5300 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5300 | U |
| 56-23-5 | Carbon Tetrachloride | 5300 | U |
| 75-27-4 | Bromodichloromethane | 5300 | U |
| 78-87-5 | 1,2-Dichloropropane | 5300 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5300 | U |
| 79-01-6 | Trichloroethene | 5300 | U |
| 124-48-1 | Dibromochloromethane | 5300 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5300 | U |
| 71-43-2 | Benzene | 5300 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5300 | U |
| 75-25-2 | Bromoform | 5300 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5300 | U |
| 591-78-6 | 2-Hexanone | 5300 | U |
| 127-18-4 | Tetrachloroethene | 53000 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5300 | U |
| 108-88-3 | Toluene | 5300 | U |
| 108-90-7 | Chlorobenzene | 5300 | U |
| 100-41-4 | Ethylbenzene | 5300 | U |
| 100-42-5 | Styrene | 5300 | U |
| 1330-20-7 | Xylenes (Total) | 5300 | U |

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

BD120999

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W0081

Matrix: (soil/water) SOIL

Lab Sample ID: 174192

Sample wt/vol: 4.1 (g/mL) g

Lab File ID: B1063

Level: (low/med) MED

Date Received: 12/10/99

% Moisture: not dec. 8

Date Analyzed: 12/20/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10000(uL)

Soil Aliquot Volume: 25(uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FB121799

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) WATER Lab Sample ID: 175798

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: B1108

Level: (low/med) LOW Date Received: 12/17/99

% Moisture: not dec. _____ Date Analyzed: 12/22/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-06B_12-14

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) SOIL Lab Sample ID: 175792

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9729

Level: (low/med) LOW Date Received: 12/17/99

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/19/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.30

Number TICs found: 8 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------|-------|------------|-------|
| 1. | UNKNOWN ALDOL CONDENSATE | 12.32 | 570 | AJB ✓ |
| 2. | UNKNOWN ALDOL CONDENSATE | 12.63 | 560 | AJB ✓ |
| 3. | UNKNOWN ALDOL CONDENSATE | 12.84 | 130 | AJB ✓ |
| 4. | UNKNOWN ALDOL CONDENSATE | 12.92 | 1500 | AJB ✓ |
| 5. | UNKNOWN | 13.15 | 210 | JB ✓ |
| 6. | UNKNOWN | 14.20 | 130 | JB ✓ |
| 7. | UNKNOWN | 15.15 | 120 | J |
| 8. | UNKNOWN | 16.67 | 94 | JB ✓ |
| 9. | | | | |
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| 29. | | | | |
| 30. | | | | |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-07A_8-10

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081
 Matrix: (soil/water) SOIL Lab Sample ID: 174987
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9730
 Level: (low/med) LOW Date Received: 12/15/99
 % Moisture: 7 decanted: (Y/N) N Date Extracted: 12/19/99
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/06/00
 Injection Volume: 2.0 (uL) Dilution Factor: 5.0
 GPC Cleanup: (Y/N) Y pH: 8.03

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|-----------|----------------------------|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 4300 | U |
| 100-02-7 | 4-Nitrophenol | 4300 | U |
| 132-64-9 | Dibenzofuran | 1800 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1800 | U |
| 84-66-2 | Diethylphthalate | 1800 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1800 | U |
| 86-73-7 | Fluorene | 1800 | U |
| 100-01-6 | 4-Nitroaniline | 4300 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 4300 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 1800 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1800 | U |
| 118-74-1 | Hexachlorobenzene | 1800 | U |
| 87-86-5 | Pentachlorophenol | 4300 | U |
| 85-01-8 | Phenanthrene | 1800 | U |
| 120-12-7 | Anthracene | 1800 | U |
| 86-74-8 | Carbazole | 1800 | U |
| 84-74-2 | Di-n-butylphthalate | 1800 | U |
| 206-44-0 | Fluoranthene | 1800 | U |
| 129-00-0 | Pyrene | 40 | J |
| 85-68-7 | Butylbenzylphthalate | 1800 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1800 | U |
| 56-55-3 | Benzo(a)anthracene | 1800 | U |
| 218-01-9 | Chrysene | 1800 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1800 | U |
| 117-84-0 | Di-n-octylphthalate | 1800 | U |
| 205-99-2 | Benzo(b)fluoranthene | 1800 | U |
| 207-08-9 | Benzo(k)fluoranthene | 1800 | U |
| 50-32-8 | Benzo(a)pyrene | 1800 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1800 | U |
| 53-70-3 | Dibenz(a,h)anthracene | 1800 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 1800 | U |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-07A_8-10

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) SOIL Lab Sample ID: 174987

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9730

Level: (low/med) LOW Date Received: 12/15/99

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/19/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.03

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-------------------------------------|------------------|----------------|----------------|
| 1. | UNKNOWN ALDOL CONDENSATE | 12.89 | 910 | AJB |
| 2. | UNKNOWN | 14.17 | 970 | J |
| 3. | DECAHYDRONAPHTHALENE ISOMER | 14.63 | 890 | J |
| 4. | UNKNOWN | 15.15 | 1300 | J |
| 5. | C13H28 ALKANE | 15.34 | 1300 | J |
| 6. | UNKNOWN | 15.94 | 1200 | J |
| 7. | UNKNOWN ALKANE | 16.94 | 1100 | J |
| 8. | UNKNOWN | 17.18 | 970 | J |
| 9. | UNKNOWN | 17.70 | 1900 | J |
| 10. | UNKNOWN | 18.03 | 750 | J |
| 11. | TRICHLORO-1,1-BIPHENYL ISOME | 21.22 | 930 | J |
| 12. | UNKNOWN | 22.05 | 720 | J |
| 13. | UNKNOWN | 22.62 | 1000 | J |
| 14. | UNKNOWN | 22.91 | 540 | J |
| 15. | UNKNOWN | 24.47 | 5800 | J |
| 16. | UNKNOWN | 24.79 | 950 | J |
| 17. | UNKNOWN | 24.86 | 570 | J |
| 18. | UNKNOWN | 28.45 | 760 | J |
| 19. | UNKNOWN | 30.90 | 2100 | J |
| 20. | UNKNOWN | 32.25 | 1700 | J |
| 21. | UNKNOWN | 33.34 | 1000 | J |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-07B_12-14

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081
 Matrix: (soil/water) SOIL Lab Sample ID: 174988
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9731
 Level: (low/med) LOW Date Received: 12/15/99
 % Moisture: 16 decanted: (Y/N) N Date Extracted: 12/19/99
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/06/00
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.99

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg Q

| | | | |
|----------|------------------------------|-----|---|
| 108-95-2 | Phenol | 9 | J |
| 111-44-4 | bis(2-Chloroethyl) Ether | 390 | U |
| 95-57-8 | 2-Chlorophenol | 390 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 390 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 390 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 390 | U |
| 95-48-7 | 2-Methylphenol | 390 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 390 | U |
| 106-44-5 | 4-Methylphenol | 390 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 390 | U |
| 67-72-1 | Hexachloroethane | 390 | U |
| 98-95-3 | Nitrobenzene | 390 | U |
| 78-59-1 | Isophorone | 390 | U |
| 88-75-5 | 2-Nitrophenol | 390 | U |
| 105-67-9 | 2,4-Dimethylphenol | 390 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 390 | U |
| 120-83-2 | 2,4-Dichlorophenol | 390 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 390 | U |
| 91-20-3 | Naphthalene | 390 | U |
| 106-47-8 | 4-Chloroaniline | 390 | U |
| 87-68-3 | Hexachlorobutadiene | 390 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 390 | U |
| 91-57-6 | 2-Methylnaphthalene | 390 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 390 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 390 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 960 | U |
| 91-58-7 | 2-Chloronaphthalene | 390 | U |
| 88-74-4 | 2-Nitroaniline | 960 | U |
| 131-11-3 | Dimethylphthalate | 390 | U |
| 208-96-8 | Acenaphthylene | 390 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 390 | U |
| 99-09-2 | 3-Nitroaniline | 960 | U |
| 83-32-9 | Acenaphthene | 390 | U |

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-07B_12-14

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) SOIL Lab Sample ID: 174988

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9731

Level: (low/med) LOW Date Received: 12/15/99

% Moisture: 16 decanted: (Y/N) N Date Extracted: 12/19/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.99

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-------------------------------------|------------------|----------------|------------------|
| 1. | UNKNOWN ALDOL CONDENSATE | 12.63 | 440 | AJB-2 |
| 2. | UNKNOWN ALDOL CONDENSATE | 12.91 | 380 | AJB |
| 3. | UNKNOWN | 13.96 | 420 | J |
| 4. | UNKNOWN | 14.17 | 490 | J |
| 5. | DECAHYDROMETHYLNAPHTHALENE I | 14.64 | 460 | J |
| 6. | C13H28 ALKANE | 15.34 | 670 | J |
| 7. | C13H28 ALKANE | 15.95 | 610 | J |
| 8. | UNKNOWN | 16.39 | 420 | J |
| 9. | UNKNOWN | 16.95 | 610 | J |
| 10. | UNKNOWN | 17.19 | 390 | J |
| 11. | UNKNOWN ALKANE | 17.71 | 830 | J |
| 12. | UNKNOWN | 22.06 | 480 | J |
| 13. | UNKNOWN | 22.63 | 500 | J |
| 14. | UNKNOWN | 22.92 | 230 | J |
| 15. | UNKNOWN | 23.43 | 250 | J |
| 16. | UNKNOWN | 24.51 | 1400 | J |
| 17. | UNKNOWN | 24.80 | 320 | J |
| 18. | UNKNOWN | 26.28 | 370 | J |
| 19. | UNKNOWN | 28.52 | 290 | J |
| 20. | UNKNOWN | 28.77 | 260 | J |
| 21. | UNKNOWN | 31.00 | 580 | J |
| 22. | UNKNOWN | 32.37 | 540 | J |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-08A_0-2

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) SOIL Lab Sample ID: 174183

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9606

Level: (low/med) LOW Date Received: 12/10/99

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/21/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.3

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------|------------------------------|---|---|
| 108-95-2 | Phenol | 360 | U |
| 111-44-4 | bis(2-Chloroethyl) Ether | 360 | U |
| 95-57-8 | 2-Chlorophenol | 360 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 360 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 360 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 360 | U |
| 95-48-7 | 2-Methylphenol | 360 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 106-44-5 | 4-Methylphenol | 360 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 360 | U |
| 67-72-1 | Hexachloroethane | 360 | U |
| 98-95-3 | Nitrobenzene | 360 | U |
| 78-59-1 | Isophorone | 360 | U |
| 88-75-5 | 2-Nitrophenol | 360 | U |
| 105-67-9 | 2,4-Dimethylphenol | 360 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 360 | U |
| 120-83-2 | 2,4-Dichlorophenol | 360 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 360 | U |
| 91-20-3 | Naphthalene | 360 | U |
| 106-47-8 | 4-Chloroaniline | 360 | U |
| 87-68-3 | Hexachlorobutadiene | 360 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 360 | U |
| 91-57-6 | 2-Methylnaphthalene | 360 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 870 | U |
| 91-58-7 | 2-Chloronaphthalene | 360 | U |
| 88-74-4 | 2-Nitroaniline | 870 | U |
| 131-11-3 | Dimethylphthalate | 360 | U |
| 208-96-8 | Acenaphthylene | 360 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 360 | U |
| 99-09-2 | 3-Nitroaniline | 870 | U |
| 83-32-9 | Acenaphthene | 360 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-08A_0-2

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) SOIL Lab Sample ID: 174183

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9606

Level: (low/med) LOW Date Received: 12/10/99

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/21/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.3

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------------|----------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 870 | U |
| 100-02-7----- | 4-Nitrophenol | 870 | U |
| 132-64-9----- | Dibenzofuran | 360 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 360 | U |
| 84-66-2----- | Diethylphthalate | 360 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 360 | U |
| 86-73-7----- | Fluorene | 360 | U |
| 100-01-6----- | 4-Nitroaniline | 870 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 870 | U |
| 86-30-6----- | N-nitrosodiphenylamine (1) | 360 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1----- | Hexachlorobenzene | 360 | U |
| 87-86-5----- | Pentachlorophenol | 870 | U |
| 85-01-8----- | Phenanthrene | 360 | U |
| 120-12-7----- | Anthracene | 360 | U |
| 86-74-8----- | Carbazole | 360 | U |
| 84-74-2----- | Di-n-butylphthalate | 360 | U |
| 206-44-0----- | Fluoranthene | 8 | J |
| 129-00-0----- | Pyrene | 5 | J |
| 85-68-7----- | Butylbenzylphthalate | 360 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 360 | U |
| 56-55-3----- | Benzo(a)anthracene | 360 | U |
| 218-01-9----- | Chrysene | 360 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 170 | J |
| 117-84-0----- | Di-n-octylphthalate | 120 | J |
| 205-99-2----- | Benzo(b)fluoranthene | 28 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | J |
| 50-32-8----- | Benzo(a)pyrene | 360 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 19 | J |
| 53-70-3----- | Dibenz(a,h)anthracene | 4 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 20 | J |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-08A_0-2

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) SOIL Lab Sample ID: 174183

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9606

Level: (low/med) LOW Date Received: 12/10/99

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/21/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.3

Number TICs found: 15 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------|-------|------------|-----|
| 1. | UNKNOWN ALDOL CONDENSATE | 12.24 | 600 | AJB |
| 2. | UNKNOWN | 12.46 | 99 | JB |
| 3. | UNKNOWN | 14.24 | 100 | J |
| 4. | UNKNOWN | 14.78 | 500 | JB |
| 5. | UNKNOWN ALKANE | 19.28 | 110 | J |
| 6. | UNKNOWN ALKANE | 19.30 | 110 | J |
| 7. | UNKNOWN ALKANE | 20.03 | 82 | J |
| 8. | UNKNOWN ALKANE | 20.08 | 79 | J |
| 9. | UNKNOWN | 23.70 | 560 | J |
| 10. | UNKNOWN | 24.38 | 240 | J |
| 11. | UNKNOWN | 25.62 | 230 | J |
| 12. | UNKNOWN | 27.23 | 84 | J |
| 13. | UNKNOWN PHTHALATE | 27.57 | 93 | J |
| 14. | UNKNOWN | 30.97 | 86 | J |
| 15. | UNKNOWN | 32.41 | 180 | J |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
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| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

| |
|--------------|
| SB-08B_12-14 |
|--------------|

| | | |
|---------------------------------------|-------------------|--------------------------|
| Lab Name: STL Envirotech | Contract: N/A | |
| Lab Code: N/A | Case No.: N/A | SAS No.: N/A |
| | | SDG No.: W0081 |
| Matrix: (soil/water) SOIL | | Lab Sample ID: 174184 |
| Sample wt/vol: 30.0 (g/mL) G | | Lab File ID: M9607 |
| Level: (low/med) LOW | | Date Received: 12/10/99 |
| % Moisture: 10 | decanted: (Y/N) N | Date Extracted: 12/13/99 |
| Concentrated Extract Volume: 500 (uL) | | Date Analyzed: 12/21/99 |
| Injection Volume: 2.0 (uL) | | Dilution Factor: 1.0 |
| GPC Cleanup: (Y/N) Y | pH: 8.04 | |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------|------------------------------|---|---|
| 108-95-2 | Phenol | 370 | U |
| 111-44-4 | bis(2-Chloroethyl) Ether | 370 | U |
| 95-57-8 | 2-Chlorophenol | 370 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 370 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 370 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 370 | U |
| 95-48-7 | 2-Methylphenol | 370 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 370 | U |
| 106-44-5 | 4-Methylphenol | 370 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 370 | U |
| 67-72-1 | Hexachloroethane | 370 | U |
| 98-95-3 | Nitrobenzene | 370 | U |
| 78-59-1 | Isophorone | 370 | U |
| 88-75-5 | 2-Nitrophenol | 370 | U |
| 105-67-9 | 2,4-Dimethylphenol | 370 | U |
| 111-91-1 | bis(2-Chloroethoxy) methane | 370 | U |
| 120-83-2 | 2,4-Dichlorophenol | 370 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 370 | U |
| 91-20-3 | Naphthalene | 370 | U |
| 106-47-8 | 4-Chloroaniline | 370 | U |
| 87-68-3 | Hexachlorobutadiene | 370 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 370 | U |
| 91-57-6 | 2-Methylnaphthalene | 370 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 370 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 370 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 890 | U |
| 91-58-7 | 2-Chloronaphthalene | 370 | U |
| 88-74-4 | 2-Nitroaniline | 890 | U |
| 131-11-3 | Dimethylphthalate | 370 | U |
| 208-96-8 | Acenaphthylene | 370 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 370 | U |
| 99-09-2 | 3-Nitroaniline | 890 | U |
| 83-32-9 | Acenaphthene | 370 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-08B_12-14

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081
 Matrix: (soil/water) SOIL Lab Sample ID: 174184
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9607
 Level: (low/med) LOW Date Received: 12/10/99
 % Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/99
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/21/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.04

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg Q

| | | | |
|-----------|-----------------------------|-----|---|
| 51-28-5 | 2,4-Dinitrophenol | 890 | U |
| 100-02-7 | 4-Nitrophenol | 890 | U |
| 132-64-9 | Dibenzofuran | 370 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 370 | U |
| 84-66-2 | Diethylphthalate | 370 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 370 | U |
| 86-73-7 | Fluorene | 370 | U |
| 100-01-6 | 4-Nitroaniline | 890 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 890 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 370 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 370 | U |
| 118-74-1 | Hexachlorobenzene | 370 | U |
| 87-86-5 | Pentachlorophenol | 890 | U |
| 85-01-8 | Phenanthrene | 370 | U |
| 120-12-7 | Anthracene | 370 | U |
| 86-74-8 | Carbazole | 370 | U |
| 84-74-2 | Di-n-butylphthalate | 370 | U |
| 206-44-0 | Fluoranthene | 370 | U |
| 129-00-0 | Pyrene | 370 | U |
| 85-68-7 | Butylbenzylphthalate | 370 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 370 | U |
| 56-55-3 | Benzo (a) anthracene | 370 | U |
| 218-01-9 | Chrysene | 370 | U |
| 117-81-7 | bis (2-Ethylhexyl)phthalate | 370 | U |
| 117-84-0 | Di-n-octylphthalate | 370 | U |
| 205-99-2 | Benzo (b) fluoranthene | 370 | U |
| 207-08-9 | Benzo (k) fluoranthene | 370 | U |
| 50-32-8 | Benzo (a) pyrene | 370 | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 370 | U |
| 53-70-3 | Dibenz (a,h) anthracene | 370 | U |
| 191-24-2 | Benzo (g,h,i) perylene | 370 | U |

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-16A_0-2

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081
 Matrix: (soil/water) SOIL Lab Sample ID: 174193
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9611
 Level: (low/med) LOW Date Received: 12/10/99
 % Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/99
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/21/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 11.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------|------------------------------|---|---|
| 108-95-2 | Phenol | 31 | J |
| 111-44-4 | bis(2-Chloroethyl) Ether | 360 | U |
| 95-57-8 | 2-Chlorophenol | 360 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 360 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 360 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 360 | U |
| 95-48-7 | 2-Methylphenol | 360 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 106-44-5 | 4-Methylphenol | 360 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 360 | U |
| 67-72-1 | Hexachloroethane | 360 | U |
| 98-95-3 | Nitrobenzene | 360 | U |
| 78-59-1 | Isophorone | 360 | U |
| 88-75-5 | 2-Nitrophenol | 360 | U |
| 105-67-9 | 2,4-Dimethylphenol | 360 | U |
| 111-91-1 | bis(2-Chloroethoxy) methane | 360 | U |
| 120-83-2 | 2,4-Dichlorophenol | 360 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 360 | U |
| 91-20-3 | Naphthalene | 360 | U |
| 106-47-8 | 4-Chloroaniline | 360 | U |
| 87-68-3 | Hexachlorobutadiene | 360 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 360 | U |
| 91-57-6 | 2-Methylnaphthalene | 360 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 870 | U |
| 91-58-7 | 2-Chloronaphthalene | 360 | U |
| 88-74-4 | 2-Nitroaniline | 870 | U |
| 131-11-3 | Dimethylphthalate | 360 | U |
| 208-96-8 | Acenaphthylene | 5 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 360 | U |
| 99-09-2 | 3-Nitroaniline | 870 | U |
| 83-32-9 | Acenaphthene | 360 | U |

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-16A_0-2

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) SOIL Lab Sample ID: 174193

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9611

Level: (low/med) LOW Date Received: 12/10/99

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/21/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.0

Number TICs found: 27

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------|-------|------------|-----|
| 1. | UNKNOWN ALDOL CONDENSATE | 12.25 | 540 | AJB |
| 2. | UNKNOWN | 12.47 | 98 | JB |
| 3. | UNKNOWN ALKANE | 12.87 | 110 | J |
| 4. | UNKNOWN | 13.04 | 92 | J |
| 5. | UNKNOWN | 13.13 | 110 | J |
| 6. | UNKNOWN | 13.22 | 1000 | J |
| 7. | UNKNOWN ALKANE | 13.25 | 150 | J |
| 8. | UNKNOWN ALKANE | 13.69 | 100 | J |
| 9. | UNKNOWN | 13.87 | 95 | JB |
| 10. | UNKNOWN | 14.79 | 780 | JB |
| 11. | UNKNOWN | 16.76 | 72 | J |
| 12. | UNKNOWN ALKANE | 16.78 | 82 | J |
| 13. | UNKNOWN ALKANE | 17.66 | 110 | J |
| 14. | UNKNOWN ALKANE | 18.50 | 110 | J |
| 15. | UNKNOWN ALKANE | 18.86 | 95 | J |
| 16. | UNKNOWN ALKANE | 19.29 | 170 | J |
| 17. | UNKNOWN ALKANE | 19.30 | 160 | J |
| 18. | UNKNOWN ALKANE | 20.03 | 170 | J |
| 19. | UNKNOWN ALKANE | 20.08 | 82 | J |
| 20. | UNKNOWN ALKANE | 20.74 | 150 | J |
| 21. | UNKNOWN ALKANE | 21.42 | 130 | J |
| 22. | UNKNOWN ALKANE | 22.07 | 120 | J |
| 23. | UNKNOWN ALKANE | 22.68 | 74 | J |
| 24. | UNKNOWN | 23.69 | 440 | J |
| 25. | UNKNOWN | 26.28 | 93 | J |
| 26. | UNKNOWN | 29.77 | 97 | J |
| 27. | UNKNOWN | 30.96 | 110 | J |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-16B_12-14

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081
 Matrix: (soil/water) SOIL Lab Sample ID: 174194
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9612
 Level: (low/med) LOW Date Received: 12/10/99
 % Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/99
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/21/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 10.6

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------|------------------------------|---|---|
| 108-95-2 | Phenol | 360 | U |
| 111-44-4 | bis(2-Chloroethyl) Ether | 360 | U |
| 95-57-8 | 2-Chlorophenol | 360 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 360 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 360 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 360 | U |
| 95-48-7 | 2-Methylphenol | 360 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 106-44-5 | 4-Methylphenol | 360 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 360 | U |
| 67-72-1 | Hexachloroethane | 360 | U |
| 98-95-3 | Nitrobenzene | 360 | U |
| 78-59-1 | Isophorone | 360 | U |
| 88-75-5 | 2-Nitrophenol | 360 | U |
| 105-67-9 | 2,4-Dimethylphenol | 360 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 360 | U |
| 120-83-2 | 2,4-Dichlorophenol | 360 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 360 | U |
| 91-20-3 | Naphthalene | 360 | U |
| 106-47-8 | 4-Chloroaniline | 360 | U |
| 87-68-3 | Hexachlorobutadiene | 360 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 360 | U |
| 91-57-6 | 2-Methylnaphthalene | 360 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 870 | U |
| 91-58-7 | 2-Chloronaphthalene | 360 | U |
| 88-74-4 | 2-Nitroaniline | 870 | U |
| 131-11-3 | Dimethylphthalate | 360 | U |
| 208-96-8 | Acenaphthylene | 360 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 360 | U |
| 99-09-2 | 3-Nitroaniline | 870 | U |
| 83-32-9 | Acenaphthene | 360 | U |

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-16B_12-14

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W0081

Matrix: (soil/water) SOIL

Lab Sample ID: 174194

Sample wt/vol: 30.0 (g/mL) g

Lab File ID: M9612

Level: (low/med) LOW

Date Received: 12/10/99

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 12/13/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/21/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 10.6

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------|-------|------------|-------|
| 1. | UNKNOWN ALDOL CONDENSATE | 12.23 | 580 | AJB ✓ |
| 2. | UNKNOWN | 12.45 | 97 | JB ✓ |
| 3. | UNKNOWN | 13.85 | 80 | JB ✓ |
| 4. | UNKNOWN | 14.77 | 190 | JB ✓ |
| 5. | UNKNOWN AMIDE | 23.69 | 590 | J |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BD120999

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) SOIL Lab Sample ID: 174192

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9610

Level: (low/med) LOW Date Received: 12/10/99

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/21/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------|------------------------------|---|---|
| 108-95-2 | Phenol | 360 | U |
| 111-44-4 | bis(2-Chloroethyl) Ether | 360 | U |
| 95-57-8 | 2-Chlorophenol | 360 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 360 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 360 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 360 | U |
| 95-48-7 | 2-Methylphenol | 360 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 106-44-5 | 4-Methylphenol | 360 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 360 | U |
| 67-72-1 | Hexachloroethane | 360 | U |
| 98-95-3 | Nitrobenzene | 360 | U |
| 78-59-1 | Isophorone | 360 | U |
| 88-75-5 | 2-Nitrophenol | 360 | U |
| 105-67-9 | 2,4-Dimethylphenol | 360 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 360 | U |
| 120-83-2 | 2,4-Dichlorophenol | 360 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 360 | U |
| 91-20-3 | Naphthalene | 360 | U |
| 106-47-8 | 4-Chloroaniline | 360 | U |
| 87-68-3 | Hexachlorobutadiene | 360 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 360 | U |
| 91-57-6 | 2-Methylnaphthalene | 360 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 870 | U |
| 91-58-7 | 2-Chloronaphthalene | 360 | U |
| 88-74-4 | 2-Nitroaniline | 870 | U |
| 131-11-3 | Dimethylphthalate | 360 | U |
| 208-96-8 | Acenaphthylene | 360 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 360 | U |
| 99-09-2 | 3-Nitroaniline | 870 | U |
| 83-32-9 | Acenaphthene | 360 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BD120999

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) SOIL Lab Sample ID: 174192

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9610

Level: (low/med) LOW Date Received: 12/10/99

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/21/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------------|------------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 870 | U |
| 100-02-7----- | 4-Nitrophenol | 870 | U |
| 132-64-9----- | Dibenzofuran | 360 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 360 | U |
| 84-66-2----- | Diethylphthalate | 360 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 360 | U |
| 86-73-7----- | Fluorene | 360 | U |
| 100-01-6----- | 4-Nitroaniline | 870 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 870 | U |
| 86-30-6----- | N-nitrosodiphenylamine (1) | 360 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1----- | Hexachlorobenzene | 360 | U |
| 87-86-5----- | Pentachlorophenol | 870 | U |
| 85-01-8----- | Phenanthrene | 360 | U |
| 120-12-7----- | Anthracene | 360 | U |
| 86-74-8----- | Carbazole | 360 | U |
| 84-74-2----- | Di-n-butylphthalate | 360 | U |
| 206-44-0----- | Fluoranthene | 7 | J |
| 129-00-0----- | Pyrene | 4 | J |
| 85-68-7----- | Butylbenzylphthalate | 360 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 360 | U |
| 56-55-3----- | Benzo (a) anthracene | 5 | J |
| 218-01-9----- | Chrysene | 4 | J |
| 117-81-7----- | bis (2-Ethylhexyl) phthalate | 140 | J |
| 117-84-0----- | Di-n-octylphthalate | 100 | J |
| 205-99-2----- | Benzo (b) fluoranthene | 22 | J |
| 207-08-9----- | Benzo (k) fluoranthene | 10 | J |
| 50-32-8----- | Benzo (a) pyrene | 360 | U |
| 193-39-5----- | Indeno (1,2,3-cd) pyrene | 14 | J |
| 53-70-3----- | Dibenz (a, h) anthracene | 360 | U |
| 191-24-2----- | Benzo (g, h, i) perylene | 16 | J |

(1) - Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB121799

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W0081

Matrix: (soil/water) WATER Lab Sample ID: 175798

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M9627

Level: (low/med) LOW Date Received: 12/17/99

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 12/19/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|----------------|----------------------------|--|---|
| 51-28-5----- | 2,4-Dinitrophenol | 25 | U |
| 100-02-7----- | 4-Nitrophenol | 25 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 25 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 25 | U |
| 86-30-6----- | N-nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 87-86-5----- | Pentachlorophenol | 25 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine



Client ID: SB-06A_8-10
Site: HWD, Inc.

Lab Sample ID: 175791
Lab Job No: W234

Date Sampled: 12/16/99
Date Received: 12/17/99
Date Extracted: 12/21/99
Date Analyzed: 12/23/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC7.i
Front File ID: of015181.d
Rear File ID: or015181.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 5

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | Analytical Results Units: ug/kg (Dry Weight) | Quantitation | |
|------------------|--|--------------|--------|
| | | Limit | Column |
| | | Units: ug/kg | |
| Aroclor-1016 | ND | 71 | R |
| Aroclor-1221 | ND | 71 | R |
| Aroclor-1232 | ND | 71 | R |
| Aroclor-1242 | ND | 71 | R |
| Aroclor-1248 | ND | 71 | R |
| Aroclor-1254 | ND | 71 | R |
| Aroclor-1260 | ND | 71 | R |
| Aroclor-1262 | ND | 71 | R |
| Aroclor-1268 | ND | 71 | R |



Client ID: SB-06B_12-14
Site: HWD, Inc.

Lab Sample ID: 175792
Lab Job No: W234

Date Sampled: 12/16/99
Date Received: 12/17/99
Date Extracted: 12/21/99
Date Analyzed: 12/23/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC7.i
Front File ID: of015180.d
Rear File ID: or015180.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 10

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | | <u>Quantitation</u> | |
|------------------|--|----|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | | <u>Limit</u> | <u>Column</u> |
| Aroclor-1016 | | ND | 74 | R |
| Aroclor-1221 | | ND | 74 | R |
| Aroclor-1232 | | ND | 74 | R |
| Aroclor-1242 | | ND | 74 | R |
| Aroclor-1248 | | ND | 74 | R |
| Aroclor-1254 | 240 | ND | 74 | R |
| Aroclor-1260 | | ND | 74 | R |
| Aroclor-1262 | | ND | 74 | R |
| Aroclor-1268 | | ND | 74 | R |



Client ID: SB-07A_8-10
 Site: HWD, Inc.

Lab Sample ID: 174987
 Lab Job No: W117

Date Sampled: 12/14/99
 Date Received: 12/15/99
 Date Extracted: 12/22/99
 Date Analyzed: 01/02/0
 GC Front Column: DB-5
 GC Rear Column: DB-608
 Instrument ID: PESTGC7.i
 Front File ID: of015409.d
 Rear File ID: or015409.d

Matrix: SOIL
 Level: LOW
 Sample Weight: 15 g
 Extract Final Volume: 10.0 ml
 Dilution Factor: 10.0
 % Moisture: 7

ORGANOCHLORINE PCBs - GC/ECD
 METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | | <u>Quantitation</u> | |
|------------------|--|----|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | | <u>Limit</u> | <u>Column</u> |
| | | | <u>Units: ug/kg</u> | |
| Aroclor-1016 | | ND | 720 | R |
| Aroclor-1221 | | ND | 720 | R |
| Aroclor-1232 | | ND | 720 | R |
| Aroclor-1242 | 2600 | | 720 | F |
| Aroclor-1248 | | ND | 720 | R |
| Aroclor-1254 | | ND | 720 | R |
| Aroclor-1260 | | ND | 720 | R |
| Aroclor-1262 | | ND | 720 | R |
| Aroclor-1268 | | ND | 720 | R |



Client ID: SB-07B_12-14
 Site: HWD, Inc.

Lab Sample ID: 174988
 Lab Job No: W117

Date Sampled: 12/14/99
 Date Received: 12/15/99
 Date Extracted: 12/22/99
 Date Analyzed: 12/31/99
 GC Front Column: DB-5
 GC Rear Column: DB-608
 Instrument ID: PESTGC7.i
 Front File ID: of015361.d
 Rear File ID: or015361.d

Matrix: SOIL
 Level: LOW
 Sample Weight: 15 g
 Extract Final Volume: 10.0 ml
 Dilution Factor: 1.0
 % Moisture: .16

ORGANOCHLORINE PCBs - GC/ECD
 METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | | <u>Quantitation</u> | |
|------------------|--|----|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | | <u>Limit</u> | <u>Column</u> |
| | | | <u>Units: ug/kg</u> | |
| Aroclor-1016 | | ND | 80 | R |
| Aroclor-1221 | | ND | 80 | R |
| Aroclor-1232 | | ND | 80 | R |
| Aroclor-1242 | 480 | | 80 | F |
| Aroclor-1248 | | ND | 80 | R |
| Aroclor-1254 | | ND | 80 | R |
| Aroclor-1260 | 380 | | 80 | F |
| Aroclor-1262 | | ND | 80 | R |
| Aroclor-1268 | | ND | 80 | R |



Client ID: SB-08A_0-2
Site: HWD, Inc.

Lab Sample ID: 174183
Lab Job No: W008

Date Sampled: 12/09/99
Date Received: 12/10/99
Date Extracted: 12/17/99
Date Analyzed: 12/18/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i
Front File ID: zf043878.d
Rear File ID: zr043878.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 8

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | | <u>Quantitation</u> | |
|------------------|--|--|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | | <u>Limit</u> | <u>Column</u> |
| | | | <u>Units: ug/kg</u> | |
| Aroclor-1016 | ND | | 73 | R |
| Aroclor-1221 | ND | | 73 | R |
| Aroclor-1232 | ND | | 73 | R |
| Aroclor-1242 | ND | | 73 | R |
| Aroclor-1248 | ND | | 73 | R |
| Aroclor-1254 | ND | | 73 | R |
| Aroclor-1260 | ND | | 73 | R |
| Aroclor-1262 | ND | | 73 | R |
| Aroclor-1268 | ND | | 73 | R |



Client ID: SB-08B_12-14
Site: HWD, Inc.

Lab Sample ID: 174184
Lab Job No: W008

Date Sampled: 12/09/99
Date Received: 12/10/99
Date Extracted: 12/17/99
Date Analyzed: 12/18/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i
Front File ID: zf043875.d
Rear File ID: zr043875.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 10

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | | <u>Quantitation</u> | |
|------------------|--|----|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | | <u>Limit</u> | <u>Column</u> |
| Aroclor-1016 | ND | 75 | R | |
| Aroclor-1221 | ND | 75 | R | |
| Aroclor-1232 | ND | 75 | R | |
| Aroclor-1242 | ND | 75 | R | |
| Aroclor-1248 | ND | 75 | R | |
| Aroclor-1254 | ND | 75 | R | |
| Aroclor-1260 | ND | 75 | R | |
| Aroclor-1262 | ND | 75 | R | |
| Aroclor-1268 | ND | 75 | R | |



Client ID: BD120999
Site: HWD, Inc.

Lab Sample ID: 174192
Lab Job No: W006

Date Sampled: 12/09/99
Date Received: 12/10/99
Date Extracted: 12/17/99
Date Analyzed: 12/18/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i
Front File ID: zf043879.d
Rear File ID: zr043879.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 8

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> Units: ug/kg (Dry Weight) | <u>Quantitation</u> | |
|------------------|---|-----------------------|--------|
| | | Limit Units: ug/kg | Column |
| Aroclor-1016 | ND | 73 | R |
| Aroclor-1221 | ND | 73 | R |
| Aroclor-1232 | ND | 73 | R |
| Aroclor-1242 | ND | 73 | R |
| Aroclor-1248 | ND | 73 | R |
| Aroclor-1254 | ND | 73 | R |
| Aroclor-1260 | ND | 73 | R |
| Aroclor-1262 | ND | 73 | R |
| Aroclor-1268 | ND | 73 | R |



Client ID: SB-16A_0-2
Site: HWD, Inc.

Lab Sample ID: 174193
Lab Job No: W008

Date Sampled: 12/09/99
Date Received: 12/10/99
Date Extracted: 12/17/99
Date Analyzed: 12/18/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i
Front File ID: zf043880.d
Rear File ID: zr043880.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 8

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> Units: ug/kg (Dry Weight) | <u>Quantitation</u> | |
|------------------|---|-----------------------|--------|
| | | Limit Units: ug/kg | Column |
| Aroclor-1016 | ND | 73 | R |
| Aroclor-1221 | ND | 73 | R |
| Aroclor-1232 | ND | 73 | R |
| Aroclor-1242 | ND | 73 | R |
| Aroclor-1248 | ND | 73 | R |
| Aroclor-1254 | ND | 73 | R |
| Aroclor-1260 | ND | 73 | R |
| Aroclor-1262 | ND | 73 | R |
| Aroclor-1268 | ND | 73 | R |



Client ID: SB-16B_12-14
Site: HWD, Inc.

Lab Sample ID: 174194
Lab Job No: W008

Date Sampled: 12/09/99
Date Received: 12/10/99
Date Extracted: 12/17/99
Date Analyzed: 12/18/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i
Front File ID: zf043881.d
Rear File ID: zr043881.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 8

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | Analytical Results Units: ug/kg (Dry Weight) | Quantitation | |
|------------------|--|--------------|--------|
| | | Limit | Column |
| | | Units: ug/kg | |
| Aroclor-1016 | ND | 73 | R |
| Aroclor-1221 | ND | 73 | R |
| Aroclor-1232 | ND | 73 | R |
| Aroclor-1242 | ND | 73 | R |
| Aroclor-1248 | ND | 73 | R |
| Aroclor-1254 | ND | 73 | R |
| Aroclor-1260 | ND | 73 | R |
| Aroclor-1262 | ND | 73 | R |
| Aroclor-1268 | ND | 73 | R |



Client ID: FB121799
Site: HWD, Inc.

Lab Sample ID: 175798
Lab Job No: W234

Date Sampled: 12/17/99
Date Received: 12/17/99
Date Extracted: 12/20/99
Date Analyzed: 12/21/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i

Matrix: WATER
Sample Volume: 910 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: zf043951.d
Rear File ID: zr043951.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.55 | R |
| Aroclor-1221 | ND | 0.55 | R |
| Aroclor-1232 | ND | 0.55 | R |
| Aroclor-1242 | ND | 0.55 | R |
| Aroclor-1248 | ND | 0.55 | R |
| Aroclor-1254 | ND | 0.55 | R |
| Aroclor-1260 | ND | 0.55 | R |
| Aroclor-1262 | ND | 0.55 | R |
| Aroclor-1268 | ND | 0.55 | R |



Client ID: FB120999
Site: HWD, Inc.

Lab Sample ID: 174189
Lab Job No: W008

Date Sampled: 12/09/99
Date Received: 12/10/99
Date Extracted: 12/15/99
Date Analyzed: 12/20/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i

Matrix: WATER
Sample Volume: 490 ml
Extract Final Volume: 2.5 ml
Dilution Factor: 1.0
Front File ID: zf043915.d
Rear File ID: zr043915.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.51 | R |
| Aroclor-1221 | ND | 0.51 | R |
| Aroclor-1232 | ND | 0.51 | R |
| Aroclor-1242 | ND | 0.51 | R |
| Aroclor-1248 | ND | 0.51 | R |
| Aroclor-1254 | ND | 0.51 | R |
| Aroclor-1260 | ND | 0.51 | R |
| Aroclor-1262 | ND | 0.51 | R |
| Aroclor-1268 | ND | 0.51 | R |

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-08A_0-2

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): SOIL_ Lab Sample ID: 174183

Level (low/med): LOW_ Date Received: 12/10/99

Solids: _91.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 4230 | — | — | P |
| 7440-36-0 | Antimony | 0.94 | U | N | P |
| 7440-38-2 | Arsenic | 0.68 | U | — | P |
| 7440-39-3 | Barium | 13.6 | B | — | P |
| 7440-41-7 | Beryllium | 0.16 | B | — | P |
| 7440-43-9 | Cadmium | 0.08 | U | — | P |
| 7440-70-2 | Calcium | 1770 | — | — | P |
| 7440-47-3 | Chromium | 5.7 | — | — | P |
| 7440-48-4 | Cobalt | 2.2 | B | — | P |
| 7440-50-8 | Copper | 4.5 | B | — | P |
| 7439-89-6 | Iron | 5900 | — | — | P |
| 7439-92-1 | Lead | 15.4 | — | — | P |
| 7439-95-4 | Magnesium | 832 | B | — | P |
| 7439-96-5 | Manganese | 120 | — | N | P |
| 7439-97-6 | Mercury | 0.05 | B | — | CV |
| 7440-02-0 | Nickel | 5.3 | B | — | P |
| 7440-09-7 | Potassium | 227 | B | — | P |
| 7782-49-2 | Selenium | 0.82 | U | — | P |
| 7440-22-4 | Silver | 0.26 | U | — | P |
| 7440-23-5 | Sodium | 70.6 | U | — | P |
| 7440-28-0 | Thallium | 0.88 | U | — | P |
| 7440-62-2 | Vanadium | 7.7 | B | — | P |
| 7440-66-6 | Zinc | 17.1 | — | — | P |
| 5955-70-0 | Cyanide | 0.55 | U | — | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB08B_12-14

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): SOIL_ Lab Sample ID: 174184

Level (low/med): LOW_ Date Received: 12/10/99

Solids: _____ 89.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|--------------|----------|----|
| 7429-90-5 | Aluminum | 1130 | | | P |
| 7440-36-0 | Antimony | 1.0 | U | <u>N</u> | P |
| 7440-38-2 | Arsenic | 0.74 | U | | P |
| 7440-39-3 | Barium | 4.2 | B | | P |
| 7440-41-7 | Beryllium | 0.06 | B | | P |
| 7440-43-9 | Cadmium | 0.09 | U | | P |
| 7440-70-2 | Calcium | 257 | B | | P |
| 7440-47-3 | Chromium | 1.6 | B | | P |
| 7440-48-4 | Cobalt | 0.66 | B | | P |
| 7440-50-8 | Copper | 1.3 | B | | P |
| 7439-89-6 | Iron | 1710 | | | P |
| 7439-92-1 | Lead | 2.4 | | | P |
| 7439-95-4 | Magnesium | 192 | B | | P |
| 7439-96-5 | Manganese | 24.6 | | <u>N</u> | P |
| 7439-97-6 | Mercury | 0.06 | U | | CV |
| 7440-02-0 | Nickel | 1.1 | B | | P |
| 7440-09-7 | Potassium | 63.4 | B | | P |
| 7782-49-2 | Selenium | 0.90 | U | | P |
| 7440-22-4 | Silver | 0.28 | U | | P |
| 7440-23-5 | Sodium | 119 | B | | P |
| 7440-28-0 | Thallium | 0.96 | U | | P |
| 7440-62-2 | Vanadium | 2.3 | B | | P |
| 7440-66-6 | Zinc | 6.2 | | | P |
| 5955-70-0 | Cyanide | 0.56 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-16A_0-2

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): SOIL_ Lab Sample ID: 174193

Level (low/med): LOW_ Date Received: 12/10/99

% Solids: _92.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|-----|----|
| 7429-90-5 | Aluminum | 1350 | — | — | P |
| 7440-36-0 | Antimony | 0.97 | U | MIN | P |
| 7440-38-2 | Arsenic | 0.70 | U | — | P |
| 7440-39-3 | Barium | 6.0 | B | — | P |
| 7440-41-7 | Beryllium | 0.08 | B | — | P |
| 7440-43-9 | Cadmium | 0.08 | U | — | P |
| 7440-70-2 | Calcium | 5210 | — | — | P |
| 7440-47-3 | Chromium | 3.1 | — | — | P |
| 7440-48-4 | Cobalt | 0.70 | B | — | P |
| 7440-50-8 | Copper | 2.3 | B | — | P |
| 7439-89-6 | Iron | 2530 | — | — | P |
| 7439-92-1 | Lead | 4.8 | — | — | P |
| 7439-95-4 | Magnesium | 2300 | — | — | P |
| 7439-96-5 | Manganese | 55.1 | — | J N | P |
| 7439-97-6 | Mercury | 0.05 | U | — | CV |
| 7440-02-0 | Nickel | 2.9 | B | — | P |
| 7440-09-7 | Potassium | 169 | B | — | P |
| 7782-49-2 | Selenium | 0.85 | U | — | P |
| 7440-22-4 | Silver | 0.27 | U | — | P |
| 7440-23-5 | Sodium | 72.9 | U | — | P |
| 7440-28-0 | Thallium | 0.91 | U | — | P |
| 7440-62-2 | Vanadium | 2.9 | B | — | P |
| 7440-66-6 | Zinc | 7.3 | — | — | P |
| 5955-70-0 | Cyanide | 0.54 | U | — | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-16B_12-14

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): SOIL_ Lab Sample ID: 174194

Level (low/med): LOW_ Date Received: 12/10/99

Solids: _91.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 911 | - | | P |
| 7440-36-0 | Antimony | 1.0 | U | N | P |
| 7440-38-2 | Arsenic | 0.74 | U | | P |
| 7440-39-3 | Barium | 3.1 | B | | P |
| 7440-41-7 | Beryllium | 0.06 | B | | P |
| 7440-43-9 | Cadmium | 0.09 | U | | P |
| 7440-70-2 | Calcium | 743 | B | | P |
| 7440-47-3 | Chromium | 3.7 | - | | P |
| 7440-48-4 | Cobalt | 0.56 | B | | P |
| 7440-50-8 | Copper | 1.8 | B | | P |
| 7439-89-6 | Iron | 2160 | - | | P |
| 7439-92-1 | Lead | 1.6 | - | | P |
| 7439-95-4 | Magnesium | 439 | B | | P |
| 7439-96-5 | Manganese | 27.3 | U | N | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 1.1 | B | | P |
| 7440-09-7 | Potassium | 44.6 | B | | P |
| 7782-49-2 | Selenium | 0.89 | U | | P |
| 7440-22-4 | Silver | 0.28 | U | | P |
| 7440-23-5 | Sodium | 76.4 | U | | P |
| 7440-28-0 | Thallium | 0.95 | U | | P |
| 7440-62-2 | Vanadium | 4.2 | B | | P |
| 7440-66-6 | Zinc | 7.9 | U | | P |
| 5955-70-0 | Cyanide | 0.55 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-07A_8-10

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): SOIL_ Lab Sample ID: 174987

Level (low/med): LOW_ Date Received: 12/15/99

% Solids: _92.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 1730 | - | | P |
| 7440-36-0 | Antimony | 1.0 | X | N | P |
| 7440-38-2 | Arsenic | 0.73 | U | | P |
| 7440-39-3 | Barium | 12.0 | B | | P |
| 7440-41-7 | Beryllium | 0.10 | B | | P |
| 7440-43-9 | Cadmium | 0.09 | B | | P |
| 7440-70-2 | Calcium | 4770 | - | | P |
| 7440-47-3 | Chromium | 6.3 | - | | P |
| 7440-48-4 | Cobalt | 1.4 | B | | P |
| 7440-50-8 | Copper | 3.7 | B | | P |
| 7439-89-6 | Iron | 2940 | - | | P |
| 7439-92-1 | Lead | 12.8 | - | | P |
| 7439-95-4 | Magnesium | 456 | B | | P |
| 7439-96-5 | Manganese | 32.9 | - | N | P |
| 7439-97-6 | Mercury | 0.10 | B | | CV |
| 7440-02-0 | Nickel | 2.8 | B | | P |
| 7440-09-7 | Potassium | 79.6 | B | | P |
| 7782-49-2 | Selenium | 0.88 | U | | P |
| 7440-22-4 | Silver | 0.28 | U | | P |
| 7440-23-5 | Sodium | 75.5 | U | | P |
| 7440-28-0 | Thallium | 0.94 | U | | P |
| 7440-62-2 | Vanadium | 3.9 | B | | P |
| 7440-66-6 | Zinc | 36.1 | - | | P |
| 5955-70-0 | Cyanide | 0.54 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-07B_12-14

b Name: STL_ENVIROTECH _____ Contract: _____

b Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): SOIL_ Lab Sample ID: 174988

Level (low/med): LOW_ Date Received: 12/15/99

Solids: _83.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|-----|----|
| 7429-90-5 | Aluminum | 362 | | | P |
| 7440-36-0 | Antimony | 1.1 | U | J N | P |
| 7440-38-2 | Arsenic | 0.77 | U | | P |
| 7440-39-3 | Barium | 1.9 | B | | P |
| 7440-41-7 | Beryllium | 0.05 | U | | P |
| 7440-43-9 | Cadmium | 0.09 | U | | P |
| 7440-70-2 | Calcium | 42.8 | B | | P |
| 7440-47-3 | Chromium | 1.4 | B | | P |
| 7440-48-4 | Cobalt | 0.29 | U | | P |
| 7440-50-8 | Copper | 0.74 | B | | P |
| 7439-89-6 | Iron | 1390 | | | P |
| 7439-92-1 | Lead | 0.59 | U | | P |
| 7439-95-4 | Magnesium | 55.5 | B | | P |
| 7439-96-5 | Manganese | 4.3 | | J N | P |
| 7439-97-6 | Mercury | 0.06 | U | | CV |
| 7440-02-0 | Nickel | 0.44 | B | | P |
| 7440-09-7 | Potassium | 29.3 | U | | P |
| 7782-49-2 | Selenium | 0.92 | U | | P |
| 7440-22-4 | Silver | 0.29 | U | | P |
| 7440-23-5 | Sodium | 79.6 | U | | P |
| 7440-28-0 | Thallium | 0.99 | U | | P |
| 7440-62-2 | Vanadium | 1.5 | B | | P |
| 7440-66-6 | Zinc | 4.9 | | | P |
| 5955-70-0 | Cyanide | 0.60 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-06A_8-10

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): SOIL_ Lab Sample ID: 175791

Level (low/med): LOW_ Date Received: 12/17/99

Solids: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 508 | | | P |
| 7440-36-0 | Antimony | 0.99 | X | N | P |
| 7440-38-2 | Arsenic | 0.72 | U | | P |
| 7440-39-3 | Barium | 2.5 | B | | P |
| 7440-41-7 | Beryllium | 0.04 | U | | P |
| 7440-43-9 | Cadmium | 0.08 | U | | P |
| 7440-70-2 | Calcium | 53.5 | B | | P |
| 7440-47-3 | Chromium | 2.3 | | | P |
| 7440-48-4 | Cobalt | 0.27 | U | | P |
| 7440-50-8 | Copper | 0.98 | B | | P |
| 7439-89-6 | Iron | 1270 | | | P |
| 7439-92-1 | Lead | 0.77 | | | P |
| 7439-95-4 | Magnesium | 109 | B | | P |
| 7439-96-5 | Manganese | 10.1 | | N | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 0.59 | B | | P |
| 7440-09-7 | Potassium | 60.1 | B | | P |
| 7782-49-2 | Selenium | 0.87 | U | | P |
| 7440-22-4 | Silver | 0.27 | U | | P |
| 7440-23-5 | Sodium | 74.6 | U | | P |
| 7440-28-0 | Thallium | 0.93 | U | | P |
| 7440-62-2 | Vanadium | 1.7 | B | | P |
| 7440-66-6 | Zinc | 3.6 | B | | P |
| 5955-70-0 | Cyanide | 0.53 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-06B_12-14

Lab Name: STL_ENVIROTECH Contract: _____

Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): SOIL_ Lab Sample ID: 175792

Level (low/med): LOW_ Date Received: 12/17/99

Solids: _____90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 357 | U | | P |
| 7440-36-0 | Antimony | 1.0 | U | N | P |
| 7440-38-2 | Arsenic | 0.74 | U | | P |
| 7440-39-3 | Barium | 1.5 | B | | P |
| 7440-41-7 | Beryllium | 0.04 | U | | P |
| 7440-43-9 | Cadmium | 0.09 | U | | P |
| 7440-70-2 | Calcium | 28.9 | B | | P |
| 7440-47-3 | Chromium | 0.87 | B | | P |
| 7440-48-4 | Cobalt | 0.28 | U | | P |
| 7440-50-8 | Copper | 0.63 | B | | P |
| 7439-89-6 | Iron | 726 | U | | P |
| 7439-92-1 | Lead | 0.56 | U | | P |
| 7439-95-4 | Magnesium | 70.7 | B | | P |
| 7439-96-5 | Manganese | 8.8 | U | N | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 0.46 | B | | P |
| 7440-09-7 | Potassium | 28.2 | U | | P |
| 7782-49-2 | Selenium | 0.89 | U | | P |
| 7440-22-4 | Silver | 0.28 | U | | P |
| 7440-23-5 | Sodium | 76.5 | U | | P |
| 7440-28-0 | Thallium | 0.95 | U | | P |
| 7440-62-2 | Vanadium | 0.80 | B | | P |
| 7440-66-6 | Zinc | 2.3 | B | | P |
| 5955-70-0 | Cyanide | 0.55 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BD120999

b Name: STL_ENVIROTECH _____ Contract: _____

b Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): SOIL_ Lab Sample ID: 174192

Level (low/med): LOW_ Date Received: 12/10/99

Solids: _91.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 4070 | | | P |
| 7440-36-0 | Antimony | 0.95 | U | N | P |
| 7440-38-2 | Arsenic | 0.69 | U | | P |
| 7440-39-3 | Barium | 12.6 | B | | P |
| 7440-41-7 | Beryllium | 0.13 | B | | P |
| 7440-43-9 | Cadmium | 0.18 | B | | P |
| 7440-70-2 | Calcium | 1820 | | | P |
| 7440-47-3 | Chromium | 5.3 | | | P |
| 7440-48-4 | Cobalt | 1.9 | B | | P |
| 7440-50-8 | Copper | 4.3 | B | | P |
| 7439-89-6 | Iron | 5320 | | | P |
| 7439-92-1 | Lead | 17.2 | | | P |
| 7439-95-4 | Magnesium | 755 | B | | P |
| 7439-96-5 | Manganese | 79.6 | | N | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 6.6 | B | | P |
| 7440-09-7 | Potassium | 232 | B | | P |
| 7782-49-2 | Selenium | 0.83 | U | | P |
| 7440-22-4 | Silver | 0.26 | U | | P |
| 7440-23-5 | Sodium | 71.3 | U | | P |
| 7440-28-0 | Thallium | 0.89 | U | | P |
| 7440-62-2 | Vanadium | 7.5 | B | | P |
| 7440-66-6 | Zinc | 17.8 | | | P |
| 5955-70-0 | Cyanide | 0.55 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB120999

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): WATER

Lab Sample ID: 174189

Level (low/med): LOW__

Date Received: 12/10/99

Solids: _____0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 210 | B | | P |
| 7440-36-0 | Antimony | 9.4 | U | X | P |
| 7440-38-2 | Arsenic | 6.8 | U | | P |
| 7440-39-3 | Barium | 2.0 | U | | P |
| 7440-41-7 | Beryllium | 0.40 | U | | P |
| 7440-43-9 | Cadmium | 0.80 | U | | P |
| 7440-70-2 | Calcium | 442 | B | | P |
| 7440-47-3 | Chromium | 2.4 | U | | P |
| 7440-48-4 | Cobalt | 2.6 | U | | P |
| 7440-50-8 | Copper | 5.4 | U | | P |
| 7439-89-6 | Iron | 68.6 | U | | P |
| 7439-92-1 | Lead | 5.2 | U | | P |
| 7439-95-4 | Magnesium | 103 | U | | P |
| 7439-96-5 | Manganese | 1.4 | U | X | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 2.6 | U | | P |
| 7440-09-7 | Potassium | 260 | U | | P |
| 7782-49-2 | Selenium | 8.2 | U | | P |
| 7440-22-4 | Silver | 2.6 | U | | P |
| 7440-23-5 | Sodium | 706 | U | | P |
| 7440-28-0 | Thallium | 8.8 | U | | P |
| 7440-62-2 | Vanadium | 3.6 | U | | P |
| 7440-66-6 | Zinc | 11.4 | U | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB121799

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W0082_

Matrix (soil/water): WATER Lab Sample ID: 175798

Level (low/med): LOW_ Date Received: 12/17/99

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 183 | U | | P |
| 7440-36-0 | Antimony | 9.4 | U | X | P |
| 7440-38-2 | Arsenic | 6.8 | U | | P |
| 7440-39-3 | Barium | 2.0 | U | | P |
| 7440-41-7 | Beryllium | 0.40 | U | | P |
| 7440-43-9 | Cadmium | 0.80 | U | | P |
| 7440-70-2 | Calcium | 237 | B | | P |
| 7440-47-3 | Chromium | 2.4 | U | | P |
| 7440-48-4 | Cobalt | 2.6 | U | | P |
| 7440-50-8 | Copper | 5.4 | U | | P |
| 7439-89-6 | Iron | 68.6 | U | | P |
| 7439-92-1 | Lead | 5.2 | U | | P |
| 7439-95-4 | Magnesium | 103 | U | | P |
| 7439-96-5 | Manganese | 1.4 | U | X | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 2.6 | U | | P |
| 7440-09-7 | Potassium | 260 | U | | P |
| 7782-49-2 | Selenium | 8.2 | U | | P |
| 7440-22-4 | Silver | 2.6 | U | | P |
| 7440-23-5 | Sodium | 706 | U | | P |
| 7440-28-0 | Thallium | 8.8 | U | | P |
| 7440-62-2 | Vanadium | 3.6 | U | | P |
| 7440-66-6 | Zinc | 11.4 | U | | P |
| 5955-70-0 | Cyanide | 500 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____



Site: HWD, Inc.

Lab Job No: W234

Date Sampled: 12/16/99-12/17/99

Date Received: 12/17/99

Date Analyzed: 12/27/99

Matrix: SOIL

QA Batch: 1632

TOTAL ORGANIC CARBON

| <u>Envirotech Sample #</u> | <u>Client ID</u> | <u>% Moisture</u> | <u>Dilution Factor</u> | <u>Analyte mg/kg</u> |
|--------------------------------|------------------|-------------------|----------------------------|--------------------------|
| 175791 | SB-06A_8-10 | 5.4 | 1.0 | |
| 175792 | SB-06B_12-14 | 9.5 | 1.0 | |

Quantitation Limit for Total Organic Carbon is 100 mg/kg undiluted sample.



HWD, Inc.

Lab Job No: W117

Date Sampled: 12/14/99
Date Received: 12/15/99
Matrix: SOIL

Date Analyzed: 12/27/99
QA Batch: 1632

TOTAL ORGANIC CARBON

| <u>Envirotech Sample #</u> | <u>Client ID</u> | <u>% Moisture</u> | <u>Dilution Factor</u> | <u>Analytical Result mg/kg (Dry Wt.)</u> |
|--------------------------------|------------------|-------------------|----------------------------|--|
| 174987 | SB-07A_8-10 | 7.4 | 5.0 | 3110 |
| 174988 | SB-07B_12-14 | 16.3 | 1.0 | 1110 |

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.



Site: HWD, Inc.

Lab Job No: W008

Date Sampled: 12/9/99
Date Received: 12/10/99
Matrix: SOIL

Date Analyzed: 12/20/99
QA Batch: 1629

TOTAL ORGANIC CARBON

| <u>Envirotech Sample #</u> | <u>Client ID</u> | <u>% Moisture</u> | <u>Dilution Factor</u> | <u>Analytical Result mg/kg (Dry Wt.)</u> |
|--------------------------------|------------------|-------------------|----------------------------|--|
| 174183 | SB-08A_0-2 | 8.3 | 1.0 | 5050 |
| 174184 | SB-08B_12-14 | 10.5 | 2.0 | 1010 |
| 174192 | BD120999 | 8.3 | 1.0 | 4990 |
| 174193 | SB-16A_0-2 | 7.8 | 5.0 | 3790 |
| 174194 | SB-16B_12-14 | 8.5 | 1.0 | 371 |

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.



Site: HWD, Inc.

Lab Job No: W234

Date Sampled: 12/16/99-12/17/99

Date Received: 12/17/99

Date Analyzed: 12/23/99

Matrix: WATER

QA Batch: 1639

TOTAL ORGANIC CARBON

| <u>Envirotech Sample #</u> | <u>Client ID</u> | <u>Dilution Factor</u> | <u>Analytical Result Units: mg/l</u> |
|--------------------------------|------------------|----------------------------|--|
| 175798 | FB121799 | 1.0 | ND |

Quantitation Limit for Total Organic Carbon is 1.0 mg/l for an undiluted sample.



Site: HWD, Inc.

Lab Job No: W008

Date Sampled: 12/9/99
Date Received: 12/10/99
Matrix: WATER

Date Analyzed: 12/15/99
QA Batch: 1631

TOTAL ORGANIC CARBON

| <u>Envirotech Sample #</u> | <u>Client ID</u> | <u>Dilution Factor</u> | <u>Analytical Result Units: mg/l</u> |
|--------------------------------|------------------|----------------------------|--|
| 174189 | FB120999 | 1.0 | ND |

Quantitation Limit for Total Organic Carbon is 1.0 mg/l for an undiluted sample.

BLASLAND, BOUCK & LEE, INC.
LABORATORY DATA REVIEW REPORT

Project: Hazardous Waste Disposal, Inc.
 Analytical Laboratory: STL Envirotech
 Laboratory Report Identification Number: W9411, W941, W9412
 Date of Laboratory Report: February 14 and 15, 2000
 Date of Review: February 24, 2000
 Reviewer: Laurie Indick
 Number of Samples: 12
 Sample Matrix: water
 Date of Collection: 1/20/00
 Sample Analysis: Volatiles

Quality Control Checks

- | | | | |
|---|------------|----|-----------------------|
| 1. Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. All documentation supplied | <u>yes</u> | no | not applicable |
| 4. Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | <u>yes</u> | no | not applicable |
| - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes:

All quality control parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: SemivolatilesQuality Control Checks

- | | | | | |
|----|--|------------|-----------|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | yes | <u>no</u> | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| | - %D, continuing calibration | <u>yes</u> | no | not applicable |
| | - %Recovery, matrix spike | yes | <u>no</u> | not applicable |
| | - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| | - %Recovery, surrogate | yes | <u>no</u> | not applicable |
| | - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, matrix spike | <u>yes</u> | no | not applicable |
| | - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | yes | <u>no</u> | not applicable |

Notes:

All samples were originally extracted and analyzed within the specified holding times. Due to poor surrogate recoveries, sample MW-2D was, however, reextracted over the holding time. All data for the reextracted sample have been qualified as estimated based on the holding time violation.

Recovery for 4-nitrophenol was above control limits in both the matrix spike and matrix spike duplicate. Since the deviation was minor and since no 4-nitrophenol was detected in the samples, no data have been qualified based on the recoveries.

Recovery for one surrogate in samples MW-1 and MW-3D and two surrogates in sample MW-1D were above control limits. Since recoveries for the remaining surrogates were within control limits, no data have been qualified based on the deviations. Recoveries for all surrogates were below control limits in sample MW-2D resulting in the rejection of all acid compound data and the qualification of all base/neutral compound data in the sample. The sample was later reextracted and reanalyzed with acceptable surrogate recoveries.

Bis(2-ethylhexyl)phthalate was detected in the method and field blanks. Based on the blank content, data for bis(2-ethylhexyl)phthalate have been qualified as undetected in samples MW-1, MW-1D, MW-2, MW-2D, MW-2DRE, MW-3D, MW-4, MW-5 and MW-6.

Other than for the deviation noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: PCBsQuality Control Checks

- | | | | | |
|----|--|--------------------------------------|-------------------------------------|-----------------------|
| 1. | Field Chain-of-Custody complete | <input checked="" type="radio"/> yes | no | not applicable |
| 2. | Proper methods for analysis used | <input checked="" type="radio"/> yes | no | not applicable |
| 3. | All documentation supplied | <input checked="" type="radio"/> yes | no | not applicable |
| 4. | Samples analyzed within specified holding times | yes | <input checked="" type="radio"/> no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <input checked="" type="radio"/> yes | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %RSD, initial calibration | <input checked="" type="radio"/> yes | no | not applicable |
| | - %D, continuing calibration | <input checked="" type="radio"/> yes | no | not applicable |
| | - %Recovery, matrix spike | <input checked="" type="radio"/> yes | no | not applicable |
| | - %Recovery, blank spike | <input checked="" type="radio"/> yes | no | not applicable |
| | - %Recovery, surrogate | <input checked="" type="radio"/> yes | no | not applicable |
| | - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, matrix spike | <input checked="" type="radio"/> yes | no | not applicable |
| | - RPD, field duplicate | <input checked="" type="radio"/> yes | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | <input checked="" type="radio"/> yes | no | not applicable |

Notes:

All samples were extracted over the ASP-specified holding time. Since the samples were extracted within the technical holding time, no data have been qualified based on the deviation.

Other than for the deviation noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: InorganicsQuality Control Checks

- | | | | | |
|----|--|----------------------------------|----------------------------------|-----------------------|
| 1. | Field Chain-of-Custody complete | <input checked="" type="radio"/> | no | not applicable |
| 2. | Proper methods for analysis used | <input checked="" type="radio"/> | no | not applicable |
| 3. | All documentation supplied | <input checked="" type="radio"/> | no | not applicable |
| 4. | Samples analyzed within specified holding times | <input checked="" type="radio"/> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <input checked="" type="radio"/> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %R, initial calibration | <input checked="" type="radio"/> | no | not applicable |
| | - %R, continuing calibration | <input checked="" type="radio"/> | no | not applicable |
| | - %Recovery, matrix spike | <input checked="" type="radio"/> | no | not applicable |
| | - %Recovery, blank spike | yes | no | <u>not applicable</u> |
| | - %Recovery, control sample | <input checked="" type="radio"/> | no | not applicable |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, laboratory duplicate | <input checked="" type="radio"/> | no | not applicable |
| | - RPD, field duplicate | <input checked="" type="radio"/> | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | yes | <input checked="" type="radio"/> | not applicable |

Notes:

Manganese was detected in the preparation blank. Based on the blank content, data for manganese in samples MW-1, MW-2, MW-5 and MW-6 should be considered highly suspect

Other than for the deviation noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: TSS, TDS

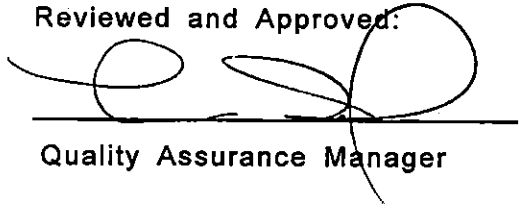
Quality Control Checks

- | | | | | |
|----|--|------------|----|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %R, initial calibration | yes | no | <u>not applicable</u> |
| | - %R, continuing calibration | yes | no | <u>not applicable</u> |
| | - %Recovery, matrix spike | yes | no | <u>not applicable</u> |
| | - %Recovery, blank spike | yes | no | <u>not applicable</u> |
| | - %Recovery, control sample | <u>yes</u> | no | not applicable |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, laboratory duplicate | <u>yes</u> | no | not applicable |
| | - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes: _____

All data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Reviewed and Approved:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke, positioned above a solid horizontal line.

Quality Assurance Manager

Project Manager

SAMPLE COMPLIANCE REPORT

Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Sample Delivery Group | Sampling Date | ASP Protocol | Sample ID | Matrix | Compliance ¹ | | | | | Noncompliance |
|-----------------------|---------------|--------------|-----------|--------|-------------------------|-----|-----|-----|-----|---|
| | | | | | VOA | BNA | PCB | DRO | TAL | |
| W9411 | 1/20/00 | 1995 | MW-1 | water | yes | no | no | yes | yes | BNA - ms ³ , blank, surr ³ PCB - ht ³ |
| W9411 | 1/20/00 | 1995 | MW-1D | water | yes | no | no | yes | yes | BNA - ms ³ , blank, surr ³ PCB - ht ³ |
| W9411 | 1/20/00 | 1995 | MW-2 | water | yes | no | no | yes | yes | BNA - ms ³ , blank PCB - ht ³ |
| W9411 | 1/20/00 | 1995 | MW-2D | water | yes | no | no | yes | yes | BNA - ms ³ , blank, surr, ht PCB - ht ³ |
| W9411 | 1/20/00 | 1995 | MW-3 | water | yes | no | no | yes | yes | BNA - ms ³ PCB - ht ³ |
| W9411 | 1/20/00 | 1995 | MW-3D | water | yes | no | no | yes | yes | BNA - ms ³ , blank, surr ³ PCB - ht ³ |
| W9411 | 1/20/00 | 1995 | MW-4 | water | yes | no | no | yes | yes | BNA - ms ³ , blank PCB - ht ³ |
| W9411 | 1/20/00 | 1995 | MW-5 | water | yes | no | no | yes | yes | BNA - ms ³ , blank PCB - ht ³ |
| W9411 | 1/20/00 | 1995 | MW-6 | water | yes | no | no | yes | yes | BNA - ms ³ , blank PCB - ht ³ |
| W9411 | -- | 1995 | TB012000 | water | yes | -- | -- | -- | -- | |
| W9411 | 1/20/00 | 1995 | FB012000 | water | yes | yes | no | yes | yes | PCB - ht ³ |
| W9411 | 1/20/00 | 1995 | BD012000 | water | yes | no | no | yes | yes | BNA - ms ³ , blank PCB - ht ³ |

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 Although the deviation resulted in the qualification of data, the laboratory was method compliant.
- 3 The noncompliance resulted in no qualification of data.

Corrected Laboratory Report Sheets

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

MW-1

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W9411

Matrix: (soil/water) WATER

Lab Sample ID: 180183

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1612

Level: (low/med) LOW

Date Received: 01/21/00

% Moisture: not dec. _____

Date Analyzed: 01/24/00

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

MW-2D

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W9411

Matrix: (soil/water) WATER

Lab Sample ID: 180186

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1615

Level: (low/med) LOW

Date Received: 01/21/00

% Moisture: not dec. _____

Date Analyzed: 01/24/00

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|-------|------------|----|
| 1. 1634-04-4 | PROPANE, 2-METHOXY-2-METHYL- | 8.86 | 33 | NJ |
| 2. 994-05-8 | BUTANE, 2-METHOXY-2-METHYL-/ | 11.44 | 8 | J |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

| |
|------|
| MW-4 |
|------|

| | | |
|---------------------------------|---------------|---------------------------------|
| Lab Name: STL Envirotech | Contract: N/A | |
| Lab Code: N/A | Case No.: N/A | SAS No.: N/A |
| Matrix: (soil/water) WATER | | SDG No.: W9411 |
| Sample wt/vol: 5.000 (g/mL) ML | | Lab Sample ID: 180189 |
| Level: (low/med) LOW | | Lab File ID: B1618 |
| % Moisture: not dec. _____ | | Date Received: 01/21/00 |
| GC Column: DB624 | ID: 0.53 (mm) | Date Analyzed: 01/24/00 |
| Soil Extract Volume: _____ (uL) | | Dilution Factor: 1.0 |
| | | Soil Aliquot Volume: _____ (uL) |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|----------------------------|----|---|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 10 | U |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TB012000

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W9411

Matrix: (soil/water) WATER

Lab Sample ID: 180192

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1623

Level: (low/med) LOW

Date Received: 01/21/00

% Moisture: not dec. _____

Date Analyzed: 01/24/00

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB012000

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W9411

Matrix: (soil/water) WATER

Lab Sample ID: 180193

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: B1624

Level: (low/med) LOW

Date Received: 01/21/00

% Moisture: not dec. _____

Date Analyzed: 01/24/00

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO. COMPOUND Q

| | | | |
|-----------------|----------------------------|----|---|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 10 | U |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylenes (Total) | 10 | U |

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FB012000

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W9411

Matrix: (soil/water) WATER

Lab Sample ID: 180193

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1624

Level: (low/med) LOW

Date Received: 01/21/00

% Moisture: not dec. _____

Date Analyzed: 01/24/00

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-1

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180183

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: M9987

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|----------------|----------------------------|--|---|
| 51-28-5----- | 2,4-Dinitrophenol | 28 | U |
| 100-02-7----- | 4-Nitrophenol | 28 | U |
| 132-64-9----- | Dibenzofuran | 11 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 11 | U |
| 84-66-2----- | Diethylphthalate | 11 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 11 | U |
| 86-73-7----- | Fluorene | 11 | U |
| 100-01-6----- | 4-Nitroaniline | 28 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 28 | U |
| 86-30-6----- | N-nitrosodiphenylamine (1) | 11 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 11 | U |
| 118-74-1----- | Hexachlorobenzene | 11 | U |
| 87-86-5----- | Pentachlorophenol | 28 | U |
| 85-01-8----- | Phenanthrene | 11 | U |
| 120-12-7----- | Anthracene | 11 | U |
| 86-74-8----- | Carbazole | 11 | U |
| 84-74-2----- | Di-n-butylphthalate | 11 | U |
| 206-44-0----- | Fluoranthene | 11 | U |
| 129-00-0----- | Pyrene | 11 | U |
| 85-68-7----- | Butylbenzylphthalate | 11 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 11 | U |
| 56-55-3----- | Benzo(a)anthracene | 11 | U |
| 218-01-9----- | Chrysene | 11 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 11 | U |
| 117-84-0----- | Di-n-octylphthalate | 11 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 11 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 11 | U |
| 50-32-8----- | Benzo(a)pyrene | 11 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 11 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 11 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 11 | U |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

MW-1

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180183

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: M9987

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: decanted: (Y/N) Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

MW-1D

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180184

Sample wt/vol: 940.0 (g/mL) mL Lab File ID: M9988

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | UNKNOWN | 24.21 | 3 | J |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

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| MW-2 |
|------|

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180185

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: M9989

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|----------|------------------------------|--|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl) Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | bis(2-Chloroethoxy) methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 26 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 26 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 26 | U |
| 83-32-9 | Acenaphthene | 10 | U |

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

MW-2

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180185

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: M9989

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: decanted: (Y/N) _____ Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-2D

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411
 Matrix: (soil/water) WATER Lab Sample ID: 180186
 Sample wt/vol: 970.0 (g/mL) ML Lab File ID: M9990
 Level: (low/med) LOW Date Received: 01/21/00
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 01/24/00
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/00
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|----------|------------------------------|--|-----|
| 108-95-2 | Phenol | 10 | U R |
| 111-44-4 | bis(2-Chloroethyl) Ether | 10 | U W |
| 95-57-8 | 2-Chlorophenol | 10 | U R |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U W |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U W |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U W |
| 95-48-7 | 2-Methylphenol | 10 | U R |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U W |
| 106-44-5 | 4-Methylphenol | 10 | U R |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10 | U W |
| 67-72-1 | Hexachloroethane | 10 | U W |
| 98-95-3 | Nitrobenzene | 10 | U W |
| 78-59-1 | Isophorone | 10 | U W |
| 88-75-5 | 2-Nitrophenol | 10 | U R |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U W |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U W |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U R |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U W |
| 91-20-3 | Naphthalene | 10 | U W |
| 106-47-8 | 4-Chloroaniline | 10 | U W |
| 87-68-3 | Hexachlorobutadiene | 10 | U W |
| 59-50-7 | 4-Chloro-3-Methylphenol | 10 | U R |
| 91-57-6 | 2-Methylnaphthalene | 10 | U W |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U W |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U R |
| 95-95-4 | 2,4,5-Trichlorophenol | 26 | U R |
| 91-58-7 | 2-Chloronaphthalene | 10 | U W |
| 88-74-4 | 2-Nitroaniline | 26 | U W |
| 131-11-3 | Dimethylphthalate | 10 | U W |
| 208-96-8 | Acenaphthylene | 10 | U W |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U W |
| 99-09-2 | 3-Nitroaniline | 26 | U W |
| 83-32-9 | Acenaphthene | 10 | U W |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-2D

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411
 Matrix: (soil/water) WATER Lab Sample ID: 180186
 Sample wt/vol: 970.0 (g/mL) ML Lab File ID: M9990
 Level: (low/med) LOW Date Received: 01/21/00
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 01/24/00
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/00
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|-----------|----------------------------|--|---|
| 51-28-5 | 2,4-Dinitrophenol | 26 | U |
| 100-02-7 | 4-Nitrophenol | 26 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 26 | U |
| 534-52-1 | 4,6-Dinitro 2 methylphenol | 26 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 26 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 86-74-8 | Carbazole | 10 | U |
| 84-74-2 | Di-n-butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-octylphthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenz(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-2DRE

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180186RE

Sample wt/vol: 930.0 (g/mL) ML Lab File ID: M0048

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 01/31/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|----------|------------------------------|--|-----|
| 108-95-2 | Phenol | 11 | 0.5 |
| 111-44-4 | bis(2-Chloroethyl) Ether | 11 | 0.5 |
| 95-57-8 | 2-Chlorophenol | 11 | 0.5 |
| 541-73-1 | 1,3-Dichlorobenzene | 11 | 0.5 |
| 106-46-7 | 1,4-Dichlorobenzene | 11 | 0.5 |
| 95-50-1 | 1,2-Dichlorobenzene | 11 | 0.5 |
| 95-48-7 | 2-Methylphenol | 11 | 0.5 |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 11 | 0.5 |
| 106-44-5 | 4-Methylphenol | 11 | 0.5 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 11 | 0.5 |
| 67-72-1 | Hexachloroethane | 11 | 0.5 |
| 98-95-3 | Nitrobenzene | 11 | 0.5 |
| 78-59-1 | Isophorone | 11 | 0.5 |
| 88-75-5 | 2-Nitrophenol | 11 | 0.5 |
| 105-67-9 | 2,4-Dimethylphenol | 11 | 0.5 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 11 | 0.5 |
| 120-83-2 | 2,4-Dichlorophenol | 11 | 0.5 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 11 | 0.5 |
| 91-20-3 | Naphthalene | 11 | 0.5 |
| 106-47-8 | 4-Chloroaniline | 11 | 0.5 |
| 87-68-3 | Hexachlorobutadiene | 11 | 0.5 |
| 59-50-7 | 4-Chloro-3-Methylphenol | 11 | 0.5 |
| 91-57-6 | 2-Methylnaphthalene | 11 | 0.5 |
| 77-47-4 | Hexachlorocyclopentadiene | 11 | 0.5 |
| 88-06-2 | 2,4,6-Trichlorophenol | 11 | 0.5 |
| 95-95-4 | 2,4,5-Trichlorophenol | 27 | 0.5 |
| 91-58-7 | 2-Chloronaphthalene | 11 | 0.5 |
| 88-74-4 | 2-Nitroaniline | 27 | 0.5 |
| 131-11-3 | Dimethylphthalate | 11 | 0.5 |
| 208-96-8 | Acenaphthylene | 11 | 0.5 |
| 606-20-2 | 2,6-Dinitrotoluene | 11 | 0.5 |
| 99-09-2 | 3-Nitroaniline | 27 | 0.5 |
| 83-32-9 | Acenaphthene | 11 | 0.5 |

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

| |
|------|
| MW-3 |
|------|

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180187

Sample wt/vol: 970.0 (g/mL) mL Lab File ID: M0028

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: decanted: (Y/N) Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 20 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|------------------------------|-------|------------|----|
| 1. | ETHYLMETHYLBENZENE ISOMER | 12.28 | 840 | J |
| 2. | ETHYLMETHYLBENZENE ISOMER | 12.34 | 400 | J |
| 3. | TRIMETHYLBENZENE ISOMER | 12.41 | 420 | J |
| 4. | ETHYLMETHYLBENZENE ISOMER | 12.56 | 490 | J |
| 5. | TRIMETHYLBENZENE ISOMER | 12.81 | 2100 | J |
| 6. | ETHYLDIMETHYLBENZENE ISOMER | 13.14 | 52 | J |
| 7. | TRIMETHYLBENZENE ISOMER | 13.20 | 930 | J |
| 8. | C9H10 AROMATIC | 13.41 | 350 | J |
| 9. | METHYLPROPYLBENZENE ISOMER | 13.57 | 78 | J |
| 10. | DIETHYLBENZENE ISOMER | 13.64 | 140 | J |
| 11. 93-53-8 | BENZENEACETALDEHYDE, .ALPHA. | 13.76 | 64 | NJ |
| 12. | ETHYLDIMETHYLBENZENE ISOMER | 13.88 | 55 | J |
| 13. | ETHYLDIMETHYLBENZENE ISOMER | 13.93 | 63 | J |
| 14. | ETHYLDIMETHYLBENZENE ISOMER | 14.00 | 95 | J |
| 15. | ETHYLDIMETHYLBENZENE ISOMER | 14.26 | 38 | J |
| 16. | TETRAMETHYLBENZENE ISOMER | 14.44 | 40 | J |
| 17. | C10H12 AROMATIC | 14.82 | 62 | J |
| 18. | DIMETHYLBENZOIC ACID ISOMER | 16.74 | 47 | NJ |
| 19. | UNKNOWN | 19.26 | 34 | J |
| 20. | UNKNOWN | 21.07 | 290 | J |
| 21. | | | | |
| 22. | | | | |
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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

MW-4

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W9411

Matrix: (soil/water) WATER

Lab Sample ID: 180189

Sample wt/vol: 990.0 (g/mL) mL

Lab File ID: M0000

Level: (low/med) LOW

Date Received: 01/21/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

Number TICs found: 11

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-----------------------------|-------|------------|---|
| 1. | DECAHYDRONAPHTHALENE ISOMER | 13.73 | 2 | J |
| 2. | UNKNOWN | 14.81 | 3 | J |
| 3. | UNKNOWN | 16.37 | 2 | J |
| 4. | UNKNOWN | 16.55 | 5 | J |
| 5. | UNKNOWN | 16.67 | 2 | J |
| 6. | UNKNOWN | 16.79 | 2 | J |
| 7. | UNKNOWN | 16.85 | 5 | J |
| 8. | C15H10 PAH | 16.98 | 2 | J |
| 9. | UNKNOWN | 17.21 | 4 | J |
| 10. | UNKNOWN | 18.72 | 2 | J |
| 11. | UNKNOWN | 18.75 | 4 | J |
| 12. | | | | |
| 13. | | | | |
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-6

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180191

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: M9997

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: decanted: (Y/N) Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|-----------|----------------------------|--|---|
| 51-28-5 | 2,4-Dinitrophenol | 26 | U |
| 100-02-7 | 4-Nitrophenol | 26 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 26 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 26 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 26 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 86-74-8 | Carbazole | 10 | U |
| 84-74-2 | Di-n-butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3 | Benzo (a) anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-octylphthalate | 10 | U |
| 205-99-2 | Benzo (b) fluoranthene | 10 | U |
| 207-08-9 | Benzo (k) fluoranthene | 10 | U |
| 50-32-8 | Benzo (a) pyrene | 10 | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 10 | U |
| 53-70-3 | Dibenz (a, h) anthracene | 10 | U |
| 191-24-2 | Benzo (g, h, i) perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

MW-6

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411
 Matrix: (soil/water) WATER Lab Sample ID: 180191
 Sample wt/vol: 950.0 (g/mL) mL Lab File ID: M9997
 Level: (low/med) LOW Date Received: 01/21/00
 % Moisture: decanted: (Y/N) _____ Date Extracted: 01/24/00
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/00
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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| 29. | | | | |
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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

BD012000

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180194

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: M0029

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: decanted: (Y/N) Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------------|-------|------------|----|
| 1. | ETHYLMETHYLBENZENE ISOMER | 12.28 | 930 | J |
| 2. | TRIMETHYLBENZENE ISOMER | 12.41 | 480 | J |
| 3. | ETHYLMETHYLBENZENE ISOMER | 12.56 | 530 | J |
| 4. | TRIMETHYLBENZENE ISOMER | 12.82 | 2300 | J |
| 5. | ETHYLDIMETHYLBENZENE ISOMER | 13.15 | 55 | J |
| 6. | TRIMETHYLBENZENE ISOMER | 13.21 | 1000 | J |
| 7. | C9H10 AROMATIC | 13.41 | 380 | J |
| 8. | DIETHYLBENZENE ISOMER | 13.51 | 47 | J |
| 9. | METHYLPROPYLBENZENE ISOMER | 13.57 | 86 | J |
| 10. | DIETHYLBENZENE ISOMER | 13.64 | 160 | J |
| 11. | 93-53-8 BENZENEACETALDEHYDE, .ALPHA. | 13.76 | 71 | NJ |
| 12. | ETHYLDIMETHYLBENZENE ISOMER | 13.88 | 62 | J |
| 13. | ETHYLDIMETHYLBENZENE ISOMER | 13.92 | 70 | J |
| 14. | ETHYLDIMETHYLBENZENE ISOMER | 14.00 | 100 | J |
| 15. | ETHYLDIMETHYLBENZENE ISOMER | 14.26 | 46 | J |
| 16. | TETRAMETHYLBENZENE ISOMER | 14.44 | 45 | J |
| 17. | C10H12 AROMATIC | 14.82 | 74 | J |
| 18. | DIMETHYLBENZOIC ACID ISOMER | 16.74 | 54 | J |
| 19. | UNKNOWN | 19.26 | 38 | J |
| 20. | UNKNOWN | 21.08 | 320 | J |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB012000

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180193

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: M0002

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------------|------------------------------|--|---|
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | bis (2-Chloroethyl) Ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 26 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 26 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 26 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB012000

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180193

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: M0002

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: decanted: (Y/N) Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|----------------|----------------------------|--|----|
| 51-28-5----- | 2,4-Dinitrophenol | 26 | U |
| 100-02-7----- | 4-Nitrophenol | 26 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 26 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 26 | U |
| 86-30-6----- | N-nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 87-86-5----- | Pentachlorophenol | 26 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 2 | JB |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FB012000

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W9411

Matrix: (soil/water) WATER Lab Sample ID: 180193

Sample wt/vol: 960.0 (g/mL) mL Lab File ID: M0002

Level: (low/med) LOW Date Received: 01/21/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 01/24/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | | | | |
| 2. | | | | |
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| 30. | | | | |



Client ID: MW-1
Site: HWD, Inc.

Lab Sample ID: 180183
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/28/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012545.d
Rear File ID: nr012545.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.51 | R |
| Aroclor-1221 | ND | 0.51 | R |
| Aroclor-1232 | ND | 0.51 | R |
| Aroclor-1242 | ND | 0.51 | R |
| Aroclor-1248 | ND | 0.51 | R |
| Aroclor-1254 | ND | 0.51 | R |
| Aroclor-1260 | ND | 0.51 | R |
| Aroclor-1262 | ND | 0.51 | R |
| Aroclor-1268 | ND | 0.51 | R |



Client ID: MW-1D
Site: HWD, Inc.

Lab Sample ID: 180184
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/28/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012546.d
Rear File ID: nr012546.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.51 | R |
| Aroclor-1221 | ND | 0.51 | R |
| Aroclor-1232 | ND | 0.51 | R |
| Aroclor-1242 | ND | 0.51 | R |
| Aroclor-1248 | ND | 0.51 | R |
| Aroclor-1254 | ND | 0.51 | R |
| Aroclor-1260 | ND | 0.51 | R |
| Aroclor-1262 | ND | 0.51 | R |
| Aroclor-1268 | ND | 0.51 | R |



Client ID: MW-2
Site: HWD, Inc.

Lab Sample ID: 180185
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/28/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012547.d
Rear File ID: nr012547.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.51 | R |
| Aroclor-1221 | ND | 0.51 | R |
| Aroclor-1232 | ND | 0.51 | R |
| Aroclor-1242 | ND | 0.51 | R |
| Aroclor-1248 | ND | 0.51 | R |
| Aroclor-1254 | ND | 0.51 | R |
| Aroclor-1260 | ND | 0.51 | R |
| Aroclor-1262 | ND | 0.51 | R |
| Aroclor-1268 | ND | 0.51 | R |



Client ID: MW-2D
Site: HWD, Inc.

Lab Sample ID: 180186
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/30/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012594.d
Rear File ID: nr012594.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.51 | R |
| Aroclor-1221 | ND | 0.51 | R |
| Aroclor-1232 | ND | 0.51 | R |
| Aroclor-1242 | ND | 0.51 | R |
| Aroclor-1248 | ND | 0.51 | R |
| Aroclor-1254 | ND | 0.51 | R |
| Aroclor-1260 | ND | 0.51 | R |
| Aroclor-1262 | ND | 0.51 | R |
| Aroclor-1268 | ND | 0.51 | R |



Client ID: MW-3
Site: HWD, Inc.

Lab Sample ID: 180187
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/29/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012549.d
Rear File ID: nr012549.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.51 | R |
| Aroclor-1221 | ND | 0.51 | R |
| Aroclor-1232 | ND | 0.51 | R |
| Aroclor-1242 | ND | 0.51 | R |
| Aroclor-1248 | ND | 0.51 | R |
| Aroclor-1254 | ND | 0.51 | R |
| Aroclor-1260 | ND | 0.51 | R |
| Aroclor-1262 | ND | 0.51 | R |
| Aroclor-1268 | ND | 0.51 | R |



Client ID: MW-3D
Site: HWD, Inc.

Lab Sample ID: 180188
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/29/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012550.d
Rear File ID: nr012550.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.51 | R |
| Aroclor-1221 | ND | 0.51 | R |
| Aroclor-1232 | ND | 0.51 | R |
| Aroclor-1242 | ND | 0.51 | R |
| Aroclor-1248 | ND | 0.51 | R |
| Aroclor-1254 | ND | 0.51 | R |
| Aroclor-1260 | ND | 0.51 | R |
| Aroclor-1262 | ND | 0.51 | R |
| Aroclor-1268 | ND | 0.51 | R |



Client ID: MW-4
Site: HWD, Inc.

Lab Sample ID: 180189
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/29/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 940 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012551.d
Rear File ID: nr012551.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.53 | R |
| Aroclor-1221 | ND | 0.53 | R |
| Aroclor-1232 | ND | 0.53 | R |
| Aroclor-1242 | ND | 0.53 | R |
| Aroclor-1248 | ND | 0.53 | R |
| Aroclor-1254 | ND | 0.53 | R |
| Aroclor-1260 | ND | 0.53 | R |
| Aroclor-1262 | ND | 0.53 | R |
| Aroclor-1268 | ND | 0.53 | R |



Client ID: MW-5
Site: HWD, Inc.

Lab Sample ID: 180190
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/29/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 970 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012552.d
Rear File ID: nr012552.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.52 | R |
| Aroclor-1221 | ND | 0.52 | R |
| Aroclor-1232 | ND | 0.52 | R |
| Aroclor-1242 | ND | 0.52 | R |
| Aroclor-1248 | ND | 0.52 | R |
| Aroclor-1254 | ND | 0.52 | R |
| Aroclor-1260 | ND | 0.52 | R |
| Aroclor-1262 | ND | 0.52 | R |
| Aroclor-1268 | ND | 0.52 | R |



Client ID: MW-6
Site: HWD, Inc.

Lab Sample ID: 180191
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/28/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 950 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012542.d
Rear File ID: nr012542.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.53 | R |
| Aroclor-1221 | ND | 0.53 | R |
| Aroclor-1232 | ND | 0.53 | R |
| Aroclor-1242 | ND | 0.53 | R |
| Aroclor-1248 | ND | 0.53 | R |
| Aroclor-1254 | ND | 0.53 | R |
| Aroclor-1260 | ND | 0.53 | R |
| Aroclor-1262 | ND | 0.53 | R |
| Aroclor-1268 | ND | 0.53 | R |



Client ID: BD012000
Site: HWD, Inc.

Lab Sample ID: 180194
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/30/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012596.d
Rear File ID: nr012596.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.51 | R |
| Aroclor-1221 | ND | 0.51 | R |
| Aroclor-1232 | ND | 0.51 | R |
| Aroclor-1242 | ND | 0.51 | R |
| Aroclor-1248 | ND | 0.51 | R |
| Aroclor-1254 | ND | 0.51 | R |
| Aroclor-1260 | ND | 0.51 | R |
| Aroclor-1262 | ND | 0.51 | R |
| Aroclor-1268 | ND | 0.51 | R |



Client ID: FB012000
Site: HWD, Inc.

Lab Sample ID: 180193
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Extracted: 01/27/00
Date Analyzed: 01/30/00
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf012595.d
Rear File ID: nr012595.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.51 | R |
| Aroclor-1221 | ND | 0.51 | R |
| Aroclor-1232 | ND | 0.51 | R |
| Aroclor-1242 | ND | 0.51 | R |
| Aroclor-1248 | ND | 0.51 | R |
| Aroclor-1254 | ND | 0.51 | R |
| Aroclor-1260 | ND | 0.51 | R |
| Aroclor-1262 | ND | 0.51 | R |
| Aroclor-1268 | ND | 0.51 | R |



Client ID: MW-1
Site: HWD, Inc.

Lab Sample No: 180183
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/27/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0416.d

Matrix: WATER
Level: LOW
Sample Volume: 970.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit</u> <u>Units: mg/l</u> |
|------------------|--|---|
| Total DRO | ND | 0.10 |



Client ID: MW-1D
Site: HWD, Inc.

Lab Sample No: 180184
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/27/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0417.d

Matrix: WATER
Level: LOW
Sample Volume: 950.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit</u> <u>Units: mg/l</u> |
|------------------|--|---|
| Total DRO | ND | 0.10 |



Client ID: MW-2
Site: HWD, Inc.

Lab Sample No: 180185
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/28/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0418.d

Matrix: WATER
Level: LOW
Sample Volume: 940.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit.</u> <u>Units: mg/l</u> |
|------------------|--|--|
| Total DRO | ND | 0.11 |



Client ID: MW-2D
Site: HWD, Inc.

Lab Sample No: 180186
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/28/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0419.d

Matrix: WATER
Level: LOW
Sample Volume: 970.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit</u> <u>Units: mg/l</u> |
|------------------|--|---|
| Total DRO | ND | 0.10 |



Client ID: MW-3
Site: HWD, Inc.

Lab Sample No: 180187
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/28/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0431.d

Matrix: WATER
Level: LOW
Sample Volume: 980.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit</u> <u>Units: mg/l</u> |
|------------------|--|---|
| Total DRO | 5.1 | 0.10 |



Client ID: MW-3D
Site: HWD, Inc.

Lab Sample No: 180188
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/28/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0420.d

Matrix: WATER
Level: LOW
Sample Volume: 970.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit</u> <u>Units: mg/l</u> |
|------------------|--|---|
| Total DRO | ND | 0.10 |



Client ID: MW-4
Site: HWD, Inc.

Lab Sample No: 180189
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/28/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0421.d

Matrix: WATER
Level: LOW
Sample Volume: 970.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit</u> <u>Units: mg/l</u> |
|------------------|--|---|
| Total DRO | ND | 0.10 |



Client ID: MW-5
Site: HWD, Inc.

Lab Sample No: 180190
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/28/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0430.d

Matrix: WATER
Level: LOW
Sample Volume: 970.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit</u> <u>Units: mg/l</u> |
|------------------|--|---|
| Total DRO | ND | 0.10 |



Client ID: MW-6
Site: HWD, Inc.

Lab Sample No: 180191
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/28/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0422.d

Matrix: WATER
Level: LOW
Sample Volume: 600.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit</u> <u>Units: mg/l</u> |
|------------------|--|---|
| Total DRO | ND | .017 |



Client ID: BD012000
Site: HWD, Inc.

Lab Sample No: 180194
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/28/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0432.d

Matrix: WATER
Level: LOW
Sample Volume: 970.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit</u> <u>Units: mg/l</u> |
|------------------|--|---|
| Total DRO | 4.3 | 0.10 |



Client ID: FB012000
Site: HWD, Inc.

Lab Sample No: 180193
Lab Job No: W941

Date Sampled: 01/20/00
Date Received: 01/21/00
Date Analyzed: 01/28/00
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f0429.d

Matrix: WATER
Level: LOW
Sample Volume: 950.0 ml
Final Volume: 1.0 mL
Dilution Factor: 1.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

| <u>Parameter</u> | <u>Analytical Result</u> <u>Units: mg/l</u> | <u>Quantitation</u> <u>Limit</u> <u>Units: mg/l</u> |
|------------------|--|---|
| Total DRO | ND | 0.10 |

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL_ENVIROTECH Contract: _____

MW-1

Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W9412

Matrix (soil/water): WATER

Lab Sample ID: 180183

Level (low/med): LOW

Date Received: 01/27/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 81.7 | U | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 30.6 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 17000 | | | P |
| 7440-47-3 | Chromium | 1.7 | B | | P |
| 7440-48-4 | Cobalt | 1.2 | U | | P |
| 7440-50-8 | Copper | 1.6 | U | | P |
| 7439-89-6 | Iron | 31.2 | B | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 3120 | B | | P |
| 7439-96-5 | Manganese | 2.3 | B | | P |
| 7439-97-6 | Mercury | 0.10 | U | | P |
| 7440-02-0 | Nickel | 3.2 | B | | CV |
| 7440-09-7 | Potassium | 2640 | B | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 9030 | | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 5.6 | U | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-1D

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W9412_

Matrix (soil/water): WATER Lab Sample ID: 180184

Level (low/med): LOW_ Date Received: 01/27/00

Solids: _____0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 81.7 | U | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 34.0 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 14400 | | | P |
| 7440-47-3 | Chromium | 1.6 | U | | P |
| 7440-48-4 | Cobalt | 1.2 | U | | P |
| 7440-50-8 | Copper | 1.6 | U | | P |
| 7439-89-6 | Iron | 28.9 | U | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 2230 | B | | P |
| 7439-96-5 | Manganese | 8400 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.9 | U | | P |
| 7440-09-7 | Potassium | 2880 | B | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 26300 | | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 5.6 | U | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: STL_ENVIROTECH Contract: _____

Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W9412

Matrix (soil/water): WATER Lab Sample ID: 180185

Level (low/med): LOW Date Received: 01/27/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 81.7 | U | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 38.6 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 16400 | | | P |
| 7440-47-3 | Chromium | 1.6 | U | | P |
| 7440-48-4 | Cobalt | 1.2 | U | | P |
| 7440-50-8 | Copper | 1.6 | U | | P |
| 7439-89-6 | Iron | 55.3 | B | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 2660 | B | | P |
| 7439-96-5 | Manganese | 1.7 | B | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.9 | U | | P |
| 7440-09-7 | Potassium | 2120 | B | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 8140 | | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 6.7 | B | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-2D

b Name: STL_ENVIROTECH Contract: _____

Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W9412

Matrix (soil/water): WATER

Lab Sample ID: 180186

Level (low/med): LOW

Date Received: 01/27/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|---|
| 7429-90-5 | Aluminum | 81.7 | U | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 61.3 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 16100 | | | P |
| 7440-47-3 | Chromium | 1.6 | U | | P |
| 7440-48-4 | Cobalt | 1.4 | B | | P |
| 7440-50-8 | Copper | 2.1 | B | | P |
| 7439-89-6 | Iron | 35.3 | B | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 2940 | B | | P |
| 7439-96-5 | Manganese | 14800 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | P |
| 7440-02-0 | Nickel | 1.9 | U | | P |
| 7440-09-7 | Potassium | 4190 | B | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 21700 | | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 5.6 | U | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: STL_ENVIROTECH Contract: _____

Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W9412

Matrix (soil/water): WATER Lab Sample ID: 180187

Level (low/med): LOW Date Received: 01/27/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 81.7 | U | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 8.0 | B | | P |
| 7440-39-3 | Barium | 22.9 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 61700 | | | P |
| 7440-47-3 | Chromium | 1.6 | U | | P |
| 7440-48-4 | Cobalt | 1.2 | U | | P |
| 7440-50-8 | Copper | 1.6 | U | | P |
| 7439-89-6 | Iron | 32300 | | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 5090 | | | P |
| 7439-96-5 | Manganese | 610 | - | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.9 | U | | P |
| 7440-09-7 | Potassium | 3040 | B | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 6780 | | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 5.6 | U | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-3D

Lab Name: STL_ENVIROTECH Contract: _____

Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W9412

Matrix (soil/water): WATER Lab Sample ID: 180188

Level (low/med): LOW Date Received: 01/27/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 81.7 | U | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 52.3 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 16200 | | | P |
| 7440-47-3 | Chromium | 1.6 | U | | P |
| 7440-48-4 | Cobalt | 1.2 | U | | P |
| 7440-50-8 | Copper | 1.6 | U | | P |
| 7439-89-6 | Iron | 28.9 | U | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 2380 | B | | P |
| 7439-96-5 | Manganese | 8330 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.9 | U | | P |
| 7440-09-7 | Potassium | 2930 | B | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 21900 | | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 6.5 | B | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: STL_ENVIROTECH Contract: _____
 Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W9412
 Matrix (soil/water): WATER Lab Sample ID: 180189
 Level (low/med): LOW Date Received: 01/27/00
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 81.7 | U | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 4.0 | B | | P |
| 7440-39-3 | Barium | 54.3 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 48000 | | | P |
| 7440-47-3 | Chromium | 1.6 | U | | P |
| 7440-48-4 | Cobalt | 1.2 | U | | P |
| 7440-50-8 | Copper | 1.6 | U | | P |
| 7439-89-6 | Iron | 16900 | | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 4580 | B | | P |
| 7439-96-5 | Manganese | 308 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 5.9 | B | | P |
| 7440-09-7 | Potassium | 2660 | B | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 5670 | | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 9.0 | B | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: STL_ENVIROTECH Contract: _____
 Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W9412
 Matrix (soil/water): WATER Lab Sample ID: 180190
 Level (low/med): LOW Date Received: 01/27/00
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 81.7 | U | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 14.1 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 6170 | | | P |
| 7440-47-3 | Chromium | 1.6 | U | | P |
| 7440-48-4 | Cobalt | 1.2 | U | | P |
| 7440-50-8 | Copper | 1.8 | B | | P |
| 7439-89-6 | Iron | 28.9 | U | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 1010 | B | | P |
| 7439-96-5 | Manganese | 1.4 | B | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.9 | U | | P |
| 7440-09-7 | Potassium | 1260 | B | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 5200 | | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 6.3 | B | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: STL_ENVIROTECH Contract: _____

Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W9412_

Matrix (soil/water): WATER Lab Sample ID: 180191

Level (low/med): LOW Date Received: 01/27/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 81.7 | U | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 42.3 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 14400 | | | P |
| 7440-47-3 | Chromium | 1.6 | U | | P |
| 7440-48-4 | Cobalt | 1.2 | U | | P |
| 7440-50-8 | Copper | 1.6 | U | | P |
| 7439-89-6 | Iron | 39.4 | B | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 2260 | B | | P |
| 7439-96-5 | Manganese | 2.4 | B | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.9 | U | | P |
| 7440-09-7 | Potassium | 2140 | B | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 9760 | | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 5.6 | U | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BD012000

Lab Name: STL_ENVIROTECH Contract: _____

Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W9412

Matrix (soil/water): WATER Lab Sample ID: 180194

Level (low/med): LOW Date Received: 01/27/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 136 | B | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 7.5 | B | | P |
| 7440-39-3 | Barium | 27.2 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 72600 | | | P |
| 7440-47-3 | Chromium | 2.2 | B | | P |
| 7440-48-4 | Cobalt | 1.2 | U | | P |
| 7440-50-8 | Copper | 2.1 | B | | P |
| 7439-89-6 | Iron | 32900 | | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 5200 | | | P |
| 7439-96-5 | Manganese | 621 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.9 | U | | P |
| 7440-09-7 | Potassium | 3100 | B | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 7130 | | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 9.5 | B | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB012000

Lab Name: STL_ENVIROTECH Contract: _____

Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W9412

Matrix (soil/water): WATER Lab Sample ID: 180193

Level (low/med): LOW Date Received: 01/27/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 81.7 | U | | P |
| 7440-36-0 | Antimony | 4.8 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 1.3 | U | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.30 | U | | P |
| 7440-70-2 | Calcium | 54.0 | U | | P |
| 7440-47-3 | Chromium | 1.6 | U | | P |
| 7440-48-4 | Cobalt | 1.2 | U | | P |
| 7440-50-8 | Copper | 1.6 | U | | P |
| 7439-89-6 | Iron | 28.9 | U | | P |
| 7439-92-1 | Lead | 3.0 | U | | P |
| 7439-95-4 | Magnesium | 53.3 | U | | P |
| 7439-96-5 | Manganese | 0.90 | U | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.9 | U | | P |
| 7440-09-7 | Potassium | 157 | U | | P |
| 7782-49-2 | Selenium | 4.7 | U | | P |
| 7440-22-4 | Silver | 2.0 | U | | P |
| 7440-23-5 | Sodium | 413 | U | | P |
| 7440-28-0 | Thallium | 4.3 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | U | | P |
| 7440-66-6 | Zinc | 5.6 | U | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:



Site: HWD, Inc.

Lab Job No: W941

Date Sampled: 1/20/00
Date Received: 1/21/00
Matrix: WATER

Date Analyzed: 1/24/00
QA Batch: 1669

TOTAL DISSOLVED SOLIDS

| <u>Envirotech Sample #</u> | <u>Client ID</u> | <u>Dilution Factor</u> | <u>Analytical Result Units: mg/l</u> |
|--------------------------------|------------------|----------------------------|--|
| 180183 | MW-1 | 1.0 | 118 |
| 180184 | MW-1D | 1.0 | 162 |
| 180185 | MW-2 | 1.0 | 101 |
| 180186 | MW-2D | 1.0 | 163 |
| 180187 | MW-3 | 1.0 | 246 |
| 180188 | MW-3D | 1.0 | 116 |
| 180189 | MW-4 | 1.0 | 174 |
| 180190 | MW-5 | 1.0 | 57.0 |
| 180191 | MW-6 | 1.0 | 84.0 |
| 180193 | FB012000 | 1.0 | ND |
| 180194 | BD012000 | 1.0 | 240 |

Quantitation Limit for Total Dissolved Solids is 10.0 mg/l for an undiluted sample.



Site: HWD, Inc.

Lab Job No: W941

Date Sampled: 1/20/00
Date Received: 1/21/00
Matrix: WATER

Date Analyzed: 1/26/00
QA Batch: 1488

TOTAL SUSPENDED SOLIDS

| <u>Envirotech Sample #</u> | <u>Client ID</u> | <u>Dilution Factor</u> | <u>Analytical Result Units: mg/l</u> |
|--------------------------------|------------------|----------------------------|--|
| 180183 | MW-1 | 1.0 | ND |
| 180184 | MW-1D | 1.0 | ND |
| 180185 | MW-2 | 1.0 | ND |
| 180186 | MW-2D | 1.0 | ND |
| 180187 | MW-3 | 1.0 | 47.0 |
| 180188 | MW-3D | 1.0 | ND |
| 180189 | MW-4 | 1.0 | 16.0 |
| 180190 | MW-5 | 1.0 | ND |
| 180191 | MW-6 | 1.0 | ND |
| 180193 | FB012000 | 1.0 | ND |
| 180194 | BD012000 | 1.0 | 47.0 |

Quantitation Limit for Total Suspended Solids is 10.0 mg/l for an undiluted sample.

BLASLAND, BOUCK & LEE, INC.
LABORATORY DATA REVIEW REPORT

Project: Hazardous Waste Disposal, Inc.
 Analytical Laboratory: STL Envirotech
 Laboratory Report Identification Number: W3422
 Date of Laboratory Report: January 24, 2000
 Date of Review: February 24, 2000
 Reviewer: Laurie Indick
 Number of Samples: 13
 Sample Matrix: water
 Date of Collection: 12/20/99-12/22/99

Sample Analysis: Volatiles

Quality Control Checks

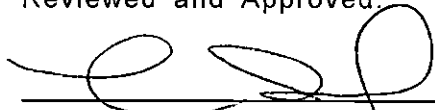
- | | | | | |
|----|--|------------|-----------|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| - | - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - | - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - | - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - | - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - | - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - | - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| - | - RPD, matrix spike | <u>yes</u> | no | not applicable |
| - | - RPD, field duplicate | yes | no | <u>not applicable</u> |
| 8. | Target analyte concentrations below reporting limit in all blank samples | yes | <u>no</u> | not applicable |

Notes:

Methylene chloride was detected in the trip blank and one of the method blanks. Based on the blank content, data for methylene chloride have been qualified as undetected in samples HP-02A(22.0), HP-09A(19.0), HP-09C(24.0) and HP-09D (96.0).

Other than for the deviation mentioned in this review, all data quality parameters were within method specifications and the data is considered acceptable for use As reported by the laboratory.

Reviewed and Approved:


Quality Assurance Manager

Project Manager

SAMPLE COMPLIANCE REPORT

Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Sample Delivery Group | Sampling Date | ASP Protocol | Sample ID | Matrix | Compliance ¹ | | | | Noncompliance |
|-----------------------|---------------|--------------|--------------|--------|-------------------------|-----|-----|-----|--------------------|
| | | | | | VOA | BNA | PCB | TAL | |
| W3422 | 12/20/99 | 1995 | HP-15A(18.0) | water | yes | -- | -- | -- | |
| W3422 | 12/20/99 | 1995 | HP-15B(44.0) | water | yes | -- | -- | -- | |
| W3422 | 12/20/99 | 1995 | HP-15C(74.0) | water | yes | -- | -- | -- | |
| W3422 | 12/20/99 | 1995 | HP-15D(96.0) | water | yes | -- | -- | -- | |
| W3422 | 12/21/99 | 1995 | HP-09A(19.0) | water | no | -- | -- | -- | blank ³ |
| W3422 | 12/21/99 | 1995 | HP-09B(44.0) | water | yes | -- | -- | -- | |
| W3422 | 12/21/99 | 1995 | HP-09C(4.0) | water | no | -- | -- | -- | blank ³ |
| W3422 | 12/21/99 | 1995 | HP-09D(96.0) | water | no | -- | -- | -- | blank ³ |
| W3422 | 12/22/99 | 1995 | HP-02A(22.0) | water | no | -- | -- | -- | blank ³ |
| W3422 | 12/22/99 | 1995 | HP-02B(44.0) | water | yes | -- | -- | -- | |
| W3422 | 12/22/99 | 1995 | HP-02C(74.0) | water | yes | -- | -- | -- | |
| W3422 | 12/22/99 | 1995 | HP-02D(96.0) | water | yes | -- | -- | -- | |
| W3422 | -- | 1995 | TB122299 | water | yes | -- | -- | -- | |
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- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 The non-compliance resulted in no qualification of data.
- 3 Although the deviation resulted in the qualification of data, the laboratory was method compliant.

Corrected Laboratory Report Sheets

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-02A_22.0

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W3422

Matrix: (soil/water) WATER Lab Sample ID: 176461

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: B1232

Level: (low/med) LOW Date Received: 12/22/99

% Moisture: not dec. _____ Date Analyzed: 12/29/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-02C-74.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W3422
 Matrix: (soil/water) WATER Lab Sample ID: 176463
 Sample wt/vol: 5.000 (g/mL) mL Lab File ID: B1234
 Level: (low/med) LOW Date Received: 12/22/99
 % Moisture: not dec. _____ Date Analyzed: 12/29/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-02D-96.0

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W3422

Matrix: (soil/water) WATER Lab Sample ID: 176464

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: B1235

Level: (low/med) LOW Date Received: 12/22/99

% Moisture: not dec. _____ Date Analyzed: 12/29/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-09A_19.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W3422

Matrix: (soil/water) WATER

Lab Sample ID: 176456

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1214

Level: (low/med) LOW

Date Received: 12/22/99

% Moisture: not dec. _____

Date Analyzed: 12/28/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-09B_44.0

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W3422

Matrix: (soil/water) WATER Lab Sample ID: 176457

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: B1215

Level: (low/med) LOW Date Received: 12/22/99

% Moisture: not dec. _____ Date Analyzed: 12/28/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|------------------------------|-------|------------|---|
| 1. | C7H16 ALKANE | 11.20 | 6 | J |
| 2. | C7H14 CYCLOALKANE | 12.56 | 7 | J |
| 3. | C8H16 CYCLOALKANE | 14.82 | 5 | J |
| 4. | C10H22 ALKANE | 16.11 | 5 | J |
| 5. | C10H22 ALKANE | 16.50 | 13 | J |
| 6. | C11H24 ALKANE | 17.36 | 12 | J |
| 7. | C10H20 CYCLOALKANE | 17.88 | 18 | J |
| 8. | C11H24 ALKANE | 18.00 | 6 | J |
| 9. | C10H14 AROMATIC | 18.43 | 10 | J |
| 10. | DECAHYDRONAPHTHALENE ISOMER | 18.60 | 8 | J |
| 11. | UNKNOWN ALKANE/UNKNOWN | 18.74 | 7 | J |
| 12. | UNKNOWN ALKANE | 19.03 | 6 | J |
| 13. | DECAHYDROMETHYLNAPHTHALENE I | 19.60 | 6 | J |
| 14. | UNKNOWN ALKANE | 19.75 | 9 | J |
| 15. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-09C_74.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W3422
 Matrix: (soil/water) WATER Lab Sample ID: 176458
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B1231
 Level: (low/med) LOW Date Received: 12/22/99
 % Moisture: not dec. _____ Date Analyzed: 12/29/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L Q

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|-----|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 0.7 | JBU |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 0.5 | J |
| 540-59-0 | 1,2-Dichloroethene (total) | 0.8 | J |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 2 | J |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 1 | J |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 0.9 | J |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-09D_96.0

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W3422

Matrix: (soil/water) WATER Lab Sample ID: 176459

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B1217

Level: (low/med) LOW Date Received: 12/22/99

% Moisture: not dec. _____ Date Analyzed: 12/28/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|-----|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 0.7 | J U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 0.5 | J |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 0.8 | J |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 0.7 | J |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-15C_74.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W3422

Matrix: (soil/water) WATER

Lab Sample ID: 176451

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1210

Level: (low/med) LOW

Date Received: 12/22/99

% Moisture: not dec. _____

Date Analyzed: 12/28/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-------------------------|-------|------------|---|
| 1. | C6H14 ALKANE | 8.62 | 10 | J |
| 2. | C6H14 ALKANE | 9.00 | 12 | J |
| 3. | C6H14 ALKANE | 9.36 | 35 | J |
| 4. | C7H16 ALKANE | 10.10 | 7 | J |
| 5. | C6H12 CYCLOALKANE | 10.27 | 6 | J |
| 6. | C7H16 ALKANE | 11.00 | 8 | J |
| 7. | UNKNOWN HYDROCARBON | 11.15 | 11 | J |
| 8. | UNKNOWN ALKANE | 11.22 | 20 | J |
| 9. | UNKNOWN | 11.74 | 6 | J |
| 10. | C7H14 CYCLOALKANE | 12.58 | 17 | J |
| 11. | C10H14 AROMATIC/UNKNOWN | 17.82 | 5 | J |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-15D_96.0

| | | |
|---------------------------------|---------------|---------------------------------|
| Lab Name: STL Envirotech | Contract: N/A | |
| Lab Code: N/A | Case No.: N/A | SDG No.: W3422 |
| Matrix: (soil/water) WATER | | Lab Sample ID: 176452 |
| Sample wt/vol: 5.000 (g/mL) ML | | Lab File ID: B1205 |
| Level: (low/med) LOW | | Date Received: 12/22/99 |
| % Moisture: not dec. _____ | | Date Analyzed: 12/28/99 |
| GC Column: DB624 | ID: 0.53 (mm) | Dilution Factor: 1.0 |
| Soil Extract Volume: _____ (uL) | | Soil Aliquot Volume: _____ (uL) |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | J |
| 75-34-3 | 1,1-Dichloroethane | 2 | J |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | J |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 2 | J |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 4 | J |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 4 | J |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 1 | J |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 6 | J |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-15D_96.0

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W3422

Matrix: (soil/water) WATER Lab Sample ID: 176452

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: B1205

Level: (low/med) LOW Date Received: 12/22/99

% Moisture: not dec. _____ Date Analyzed: 12/28/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | C6H14 ALKANE | 8.61 | 14 | J |
| 2. | UNKNOWN ALKANE/MTBE | 8.97 | 42 | J |
| 3. | C6H14 ALKANE | 9.36 | 12 | J |
| 4. | C7H16 ALKANE | 9.96 | 6 | J |
| 5. | UNKNOWN ALKANE | 10.08 | 9 | J |
| 6. | C6H12 CYCLOALKANE | 10.26 | 9 | J |
| 7. | C7H16 ALKANE | 10.98 | 9 | J |
| 8. | UNKNOWN CYCLOALKANE | 11.13 | 16 | J |
| 9. | UNKNOWN ALKANE | 11.20 | 23 | J |
| 10. | UNKNOWN ALKENE | 11.72 | 9 | J |
| 11. | C7H14 CYCLOALKANE | 12.58 | 24 | J |
| 12. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TB122299

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W3422
 Matrix: (soil/water) WATER Lab Sample ID: 176465
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B1236
 Level: (low/med) LOW Date Received: 12/22/99
 % Moisture: not dec. _____ Date Analyzed: 12/29/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|----|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 0.7 | JB |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 2 | J |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 10 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

BLASLAND, BOUCK & LEE, INC.
LABORATORY DATA REVIEW REPORT

Project: Hazardous Waste Disposal, Inc.
 Analytical Laboratory: STL Envirotech
 Laboratory Report Identification Number: W1171
 Date of Laboratory Report: January 24, 2000
 Date of Review: February 24, 2000
 Reviewer: Laurie Indick
 Number of Samples: 19
 Sample Matrix: water
 Date of Collection: 12/13/99-12/17/99

Sample Analysis: Volatiles

Quality Control Checks

- | | | | |
|---|------------|-----------|-----------------------|
| 1. Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. All documentation supplied | <u>yes</u> | no | not applicable |
| 4. Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | yes | <u>no</u> | not applicable |
| - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes:

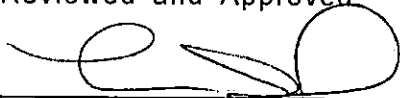
All matrix spike and matrix spike duplicate recoveries were within control limits.

The relative percent difference between recoveries was, however, outside control limits for one compound. No data have been qualified based on the deviation.

Other than for the deviation mentioned in this review, all data quality parameters were within method specifications and the data is considered acceptable for use

As reported by the laboratory.

Reviewed and Approved:



Quality Assurance Manager

Project Manager

SAMPLE COMPLIANCE REPORT

Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Sample Delivery Group | Sampling Date | ASP Protocol | Sample ID | Matrix | Compliance ¹ | | | | Noncompliance |
|-----------------------|---------------|--------------|--------------|--------|-------------------------|-----|-----|-----|------------------|
| | | | | | VOA | BNA | PCB | TAL | |
| W1171 | 12/13/99 | 1995 | HP-13A(29.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/13/99 | 1995 | HP-13B(59.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/13/99 | 1995 | HP-13D(89.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/13/99 | 1995 | HP-13D(99.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/14/99 | 1995 | HP-07A(19.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/14/99 | 1995 | HP-07B(44.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/14/99 | 1995 | HP-07C(74.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/14/99 | 1995 | HP-07D(96.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | -- | 1995 | TB121599 | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/15/99 | 1995 | HP-01A(18.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/15/99 | 1995 | HP-01B(46.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/16/99 | 1995 | HP-01C(74.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/16/99 | 1995 | HP-01D(96.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/16/99 | 1995 | HP-06A(18.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/16/99 | 1995 | HP-06B(44.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/17/99 | 1995 | HP-06C(74.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/17/99 | 1995 | HP-06D(96.0) | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | 12/16/99 | 1995 | BD121699 | water | no | -- | -- | -- | rp ^{d2} |
| W1171 | -- | 1995 | TB121799 | water | no | -- | -- | -- | rp ^{d2} |
| | | | | | | | | | |

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 The non-compliance resulted in no qualification of data.
- 3 Although the deviation resulted in the qualification of data, the laboratory was method compliant.

Corrected Laboratory Report Sheets

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-01B_46.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W1171

Matrix: (soil/water) WATER

Lab Sample ID: 175788

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: B1089

Level: (low/med) LOW

Date Received: 12/17/99

% Moisture: not dec. _____

Date Analyzed: 12/21/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-01D_96.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W1171
 Matrix: (soil/water) WATER Lab Sample ID: 175790
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B1091
 Level: (low/med) LOW Date Received: 12/17/99
 % Moisture: not dec. _____ Date Analyzed: 12/21/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 10 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-06B_44.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W1171
 Matrix: (soil/water) WATER Lab Sample ID: 175794
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B1093
 Level: (low/med) LOW Date Received: 12/17/99
 % Moisture: not dec. _____ Date Analyzed: 12/21/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 0.7 | J |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 8 | J |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-06C_74.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W1171

Matrix: (soil/water) WATER

Lab Sample ID: 175795

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1094

Level: (low/med) LOW

Date Received: 12/17/99

% Moisture: not dec. _____

Date Analyzed: 12/21/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|------|------------|----|
| 1. 1634-04-4 | PROPANE, 2-METHOXY-2-METHYL- | 8.85 | 20 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-07A_19.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W1171
 Matrix: (soil/water) WATER Lab Sample ID: 174993
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B1072
 Level: (low/med) LOW Date Received: 12/15/99
 % Moisture: not dec. _____ Date Analyzed: 12/20/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 50 | U |
| 74-83-9 | -----Bromomethane | 50 | U |
| 75-01-4 | -----Vinyl Chloride | 50 | U |
| 75-00-3 | -----Chloroethane | 50 | U |
| 75-09-2 | -----Methylene Chloride | 50 | U |
| 67-64-1 | -----Acetone | 50 | U |
| 75-15-0 | -----Carbon Disulfide | 50 | U |
| 75-35-4 | -----1,1-Dichloroethene | 4 | J |
| 75-34-3 | -----1,1-Dichloroethane | 50 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 5 | J |
| 67-66-3 | -----Chloroform | 50 | U |
| 107-06-2 | -----1,2-Dichloroethane | 50 | U |
| 78-93-3 | -----2-Butanone | 50 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 50 | U |
| 56-23-5 | -----Carbon Tetrachloride | 50 | U |
| 75-27-4 | -----Bromodichloromethane | 50 | U |
| 78-87-5 | -----1,2-Dichloropropane | 50 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 50 | U |
| 79-01-6 | -----Trichloroethene | 22 | J |
| 124-48-1 | -----Dibromochloromethane | 50 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 50 | U |
| 71-43-2 | -----Benzene | 2 | J |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 50 | U |
| 75-25-2 | -----Bromoform | 50 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 50 | U |
| 591-78-6 | -----2-Hexanone | 50 | U |
| 127-18-4 | -----Tetrachloroethene | 320 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 50 | U |
| 108-88-3 | -----Toluene | 3 | J |
| 108-90-7 | -----Chlorobenzene | 50 | U |
| 100-41-4 | -----Ethylbenzene | 50 | U |
| 100-42-5 | -----Styrene | 50 | U |
| 1330-20-7 | -----Xylenes (Total) | 50 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-07B_44.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W1171
 Matrix: (soil/water) WATER Lab Sample ID: 174994
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B1073
 Level: (low/med) LOW Date Received: 12/15/99
 % Moisture: not dec. _____ Date Analyzed: 12/20/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 0.7 | J |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 2 | J |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 11 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 0.4 | J |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-07B_44.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W1171

Matrix: (soil/water) WATER

Lab Sample ID: 174994

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1073

Level: (low/med) LOW

Date Received: 12/15/99

% Moisture: not dec. _____

Date Analyzed: 12/20/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-13B_59.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W1171

Matrix: (soil/water) WATER

Lab Sample ID: 174990

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B0998

Level: (low/med) LOW

Date Received: 12/15/99

% Moisture: not dec. _____

Date Analyzed: 12/16/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|------|------------|----|
| 1. 1634-04-4 | PROPANE, 2-METHOXY-2-METHYL- | 8.90 | 9 | NJ |
| 2. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BD121699

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W1171

Matrix: (soil/water) WATER

Lab Sample ID: 175797

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: B1096

Level: (low/med) LOW

Date Received: 12/17/99

% Moisture: not dec. _____

Date Analyzed: 12/21/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 0.8 | J |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 3 | J |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 140 | |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 0.4 | J |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

BD121699

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W1171

Matrix: (soil/water) WATER

Lab Sample ID: 175797

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1096

Level: (low/med) LOW

Date Received: 12/17/99

% Moisture: not dec. _____

Date Analyzed: 12/21/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TB121599

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W1171

Matrix: (soil/water) WATER

Lab Sample ID: 174997

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1076

Level: (low/med) LOW

Date Received: 12/15/99

% Moisture: not dec. _____

Date Analyzed: 12/20/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
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BLASLAND, BOUCK & LEE, INC.
LABORATORY DATA REVIEW REPORT

Project: Hazardous Waste Disposal, Inc.
 Analytical Laboratory: STL Envirotech
 Laboratory Report Identification Number: W3421, W342, W3423
 Date of Laboratory Report: January 12 and 24, 2000
 Date of Review: February 24, 2000
 Reviewer: Laurie Indick
 Number of Samples: 4
 Sample Matrix: 3-soil; 1-water
 Date of Collection: 12/21/99

Sample Analysis: Volatiles

Quality Control Checks

- | | | | |
|---|-------|------|------------------|
| 1. Field Chain-of-Custody complete | (yes) | no | not applicable |
| 2. Proper methods for analysis used | (yes) | no | not applicable |
| 3. All documentation supplied | (yes) | no | not applicable |
| 4. Samples analyzed within specified holding times | (yes) | no | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | (yes) | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %RSD, initial calibration | (yes) | no | not applicable |
| - %D, continuing calibration | (yes) | no | not applicable |
| - %Recovery, matrix spike | (yes) | no | not applicable |
| - %Recovery, blank spike | (yes) | no | not applicable |
| - %Recovery, surrogate | (yes) | no | not applicable |
| - %Recovery, control sample | yes | no | (not applicable) |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | (yes) | no | not applicable |
| - RPD, field duplicate | (yes) | no | not applicable |
| 8. Target analyte concentrations below reporting limit in all blank samples | yes | (no) | not applicable |

Notes:

Methylene chloride was detected in the field blank, FB122199. Since no methylene chloride was detected in the associated samples, the blank content has no impact on the reported data.

Other than for the deviation noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: SemivolatilesQuality Control Checks

- | | | | |
|---|------------|-----------|-----------------------|
| 1. Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. All documentation supplied | <u>yes</u> | no | not applicable |
| 4. Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | <u>yes</u> | no | not applicable |
| - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. Target analyte concentrations below reporting limit in all blank samples | yes | <u>no</u> | not applicable |

Notes: _____

Di-n-butyl phthalate and bis(2-ethylhexyl)phthalate were detected in one of the method blanks. Based on the blank content, data for bis(2-ethylhexyl)phthalate have been qualified as undetected in samples SB-09A(10-12), SB-09B(12-14) and BD122199. In addition to the listed target compounds, several non-target compounds were detected in the method blanks. When common to the blanks and samples, their presence in the samples has been rejected.

Other than for the deviation noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use

as reported by the laboratory.

Sample Analysis: PesticidesQuality Control Checks

- | | | | | |
|----|--|------------|-----------|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| | - %D, continuing calibration | <u>yes</u> | no | not applicable |
| | - %Recovery, matrix spike | yes | <u>no</u> | not applicable |
| | - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| | - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| | - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, matrix spike | <u>yes</u> | no | not applicable |
| | - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes: _____

Recoveries for gamma-BHC and Endrin were below control limits in the matrix spike and recovery for gamma-BHC was below control limits in the matrix spike duplicate. No data have been qualified based on matrix spike performance.

Based on the differences between quantitated results on the two analytical columns data for endrin aldehyde in sample SB-09A(10-12), data for aldrin and endrin aldehyde in sample SB-09B(12-14) and data for endrin aldehyde and alpha-chlordane in sample BD122199 have been qualified as estimated and data for endrin in sample SB-09B(12-14) and data for 4,4'-DDT in sample BD122199 have

been rejected.

Other than for the deviations noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: PCBsQuality Control Checks

- | | | | | |
|----|--|--------------------------------------|-------------------------------------|---|
| 1. | Field Chain-of-Custody complete | <input checked="" type="radio"/> yes | no | not applicable |
| 2. | Proper methods for analysis used | <input checked="" type="radio"/> yes | no | not applicable |
| 3. | All documentation supplied | <input checked="" type="radio"/> yes | no | not applicable |
| 4. | Samples analyzed within specified holding times | yes | <input checked="" type="radio"/> no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <input checked="" type="radio"/> yes | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %RSD, initial calibration | <input checked="" type="radio"/> yes | no | not applicable |
| | - %D, continuing calibration | <input checked="" type="radio"/> yes | no | not applicable |
| | - %Recovery, matrix spike | yes | <input checked="" type="radio"/> no | not applicable |
| | - %Recovery, blank spike | <input checked="" type="radio"/> yes | no | not applicable |
| | - %Recovery, surrogate | <input checked="" type="radio"/> yes | no | not applicable |
| | - %Recovery, control sample | yes | no | <input checked="" type="radio"/> not applicable |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, matrix spike | yes | <input checked="" type="radio"/> no | not applicable |
| | - RPD, field duplicate | <input checked="" type="radio"/> yes | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | <input checked="" type="radio"/> yes | no | not applicable |

Notes:

Samples SB-09A(10-12), SB-09B(12-14) and BD122199 were extracted over the ASP-specified holding time. Since the samples were extracted within the technical holding time, no data have been qualified based on the deviations.

All matrix spike recoveries were below control limits. All relative percent differences between recoveries in the matrix spike and matrix spike duplicate were also outside control limits. Since all matrix spike duplicate recoveries and all matrix spike blank recoveries were within control limits and since the poor matrix spike recoveries can be attributed to interference from PCBs present in the

unspiked sample, no data have been qualified based on matrix spike performance.

Other than for the deviations noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: InorganicsQuality Control Checks

- | | | | | |
|----|--|------------|-----------|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %R, initial calibration | <u>yes</u> | no | not applicable |
| | - %R, continuing calibration | <u>yes</u> | no | not applicable |
| | - %Recovery, matrix spike | yes | <u>no</u> | not applicable |
| | - %Recovery, blank spike | yes | no | <u>not applicable</u> |
| | - %Recovery, control sample | <u>yes</u> | no | not applicable |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, laboratory duplicate | yes | <u>no</u> | not applicable |
| | - RPD, field duplicate | yes | <u>no</u> | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes:

Matrix spike recovery was below control limits for cyanide. All cyanide data have been qualified as estimated based on the recovery.

The laboratory duplicate results were outside control limits for iron, lead and manganese. Since the deviations were minor, no data have been qualified based on the results.

The differences between field duplicate results were unacceptable for calcium and manganese. All data for these analytes have been qualified as estimated based on the differences. Although no other data have been qualified based on the

duplicate results, the field duplicates were found to be in generally poor agreement indicating a potential lack of precision to the data.

Other than for the deviations noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: TOCQuality Control Checks

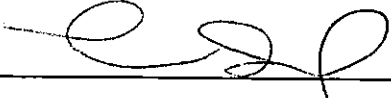
- | | | | | |
|----|--|------------|-----------|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | yes | <u>no</u> | not applicable |
| 4. | Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %R, initial calibration | yes | no | <u>not applicable</u> |
| | - %R, continuing calibration | yes | no | <u>not applicable</u> |
| | - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| | - %Recovery, blank spike | yes | no | <u>not applicable</u> |
| | - %Recovery, control sample | <u>yes</u> | no | not applicable |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, matrix spike | <u>yes</u> | no | not applicable |
| | - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes:

No TOC raw data was included on the data package. All samples have been evaluated based on summarized QC results.

All reported data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Reviewed and Approved:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke, positioned above a horizontal line.

Quality Assurance Manager

Project Manager

SAMPLE COMPLIANCE REPORT

Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Sample Delivery Group | Sampling Date | ASP Protocol | Sample ID | Matrix | Compliance ¹ | | | | | Noncompliance |
|-----------------------|---------------|--------------|---------------|--------|-------------------------|-----|-----|------|-----|---|
| | | | | | VOA | BNA | PCB | PEST | TAL | |
| W3421 | 12/21/99 | 1995 | SB-09A(10-12) | soil | yes | no | no | no | no | BNA - blank ² PEST - ms ³ , rpd PCB - ms ³ TAL - ms, dup ³ , f.dup |
| W3421 | 12/21/99 | 1995 | SB-09B(12-14) | soil | yes | no | no | no | no | BNA - blank ² PEST - ms ³ , rpd PCB - ms ³ TAL - ms, dup ³ , f.dup |
| W3421 | 12/21/99 | 1995 | BD122199 | soil | yes | no | no | no | no | BNA - blank ² PEST - ms ³ , rpd PCB - ms ³ TAL - ms, dup ³ , f.dup |
| W3421 | 12/21/99 | 1995 | FB122199 | water | yes | yes | yes | yes | yes | |
| | | | | | | | | | | |
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- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 Although the deviation resulted in the qualification of data, the laboratory was method compliant.
- 3 The noncompliance resulted in no qualification of data.

Corrected Laboratory Report Sheets

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-09A_10-12

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: W3421
 Matrix: (soil/water) SOIL Lab Sample ID: 176453
 Sample wt/vol: 4.8 (g/mL) G Lab File ID: J9327
 Level: (low/med) LOW Date Received: 12/22/99
 % Moisture: not dec. 6 Date Analyzed: 12/23/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | | Q |
|------------|---------------------------------|---|---|---|
| 74-87-3 | -----Chloromethane | 11 | U | |
| 74-83-9 | -----Bromomethane | 11 | U | |
| 75-01-4 | -----Vinyl Chloride | 11 | U | |
| 75-00-3 | -----Chloroethane | 11 | U | |
| 75-09-2 | -----Methylene Chloride | 11 | U | |
| 67-64-1 | -----Acetone | 11 | U | |
| 75-15-0 | -----Carbon Disulfide | 11 | U | |
| 75-35-4 | -----1,1-Dichloroethene | 11 | U | |
| 75-34-3 | -----1,1-Dichloroethane | 11 | U | |
| 540-59-0 | -----1,2-Dichloroethene (total) | 11 | U | |
| 67-66-3 | -----Chloroform | 11 | U | |
| 107-06-2 | -----1,2-Dichloroethane | 11 | U | |
| 78-93-3 | -----2-Butanone | 11 | U | |
| 71-55-6 | -----1,1,1-Trichloroethane | 11 | U | |
| 56-23-5 | -----Carbon Tetrachloride | 11 | U | |
| 75-27-4 | -----Bromodichloromethane | 11 | U | |
| 78-87-5 | -----1,2-Dichloropropane | 11 | U | |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 11 | U | |
| 79-01-6 | -----Trichloroethene | 11 | U | |
| 124-48-1 | -----Dibromochloromethane | 11 | U | |
| 79-00-5 | -----1,1,2-Trichloroethane | 11 | U | |
| 71-43-2 | -----Benzene | 11 | U | |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 11 | U | |
| 75-25-2 | -----Bromoform | 11 | U | |
| 108-10-1 | -----4-Methyl-2-Pentanone | 11 | U | |
| 591-78-6 | -----2-Hexanone | 11 | U | |
| 127-18-4 | -----Tetrachloroethene | 11 | U | |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 11 | U | |
| 108-88-3 | -----Toluene | 11 | U | |
| 108-90-7 | -----Chlorobenzene | 11 | U | |
| 100-41-4 | -----Ethylbenzene | 11 | U | |
| 100-42-5 | -----Styrene | 11 | U | |
| 1330-20-7 | -----Xylenes (Total) | 11 | U | |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-09A_10-12

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W3421

Matrix: (soil/water) SOIL

Lab Sample ID: 176453

Sample wt/vol: 4.8 (g/mL) g

Lab File ID: J9327

Level: (low/med) LOW

Date Received: 12/22/99

% Moisture: not dec. 6

Date Analyzed: 12/23/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | C12H26 ALKANE | 19.62 | 60 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

| |
|----------|
| FB122199 |
|----------|

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: W3421

Matrix: (soil/water) WATER

Lab Sample ID: 176460

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1218

Level: (low/med) LOW

Date Received: 12/22/99

% Moisture: not dec. _____

Date Analyzed: 12/28/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

| |
|--------------|
| SB-09B_12-14 |
|--------------|

| | | |
|---------------------------------------|-------------------|--------------------------|
| Lab Name: STL Envirotech | Contract: N/A | |
| Lab Code: N/A | Case No.: N/A | SAS No.: N/A |
| | | SDG No.: W3421 |
| Matrix: (soil/water) SOIL | | Lab Sample ID: 176454 |
| Sample wt/vol: 30.0 (g/mL) G | | Lab File ID: M9713 |
| Level: (low/med) LOW | | Date Received: 12/22/99 |
| % Moisture: 11 | decanted: (Y/N) N | Date Extracted: 12/23/99 |
| Concentrated Extract Volume: 500 (uL) | | Date Analyzed: 01/05/00 |
| Injection Volume: 2.0 (uL) | | Dilution Factor: 5.0 |
| GPC Cleanup: (Y/N) Y | pH: 8.62 | |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------|------------------------------|---|---|
| 108-95-2 | Phenol | 1800 | U |
| 111-44-4 | bis(2-Chloroethyl) Ether | 1800 | U |
| 95-57-8 | 2-Chlorophenol | 1800 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1800 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1800 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1800 | U |
| 95-48-7 | 2-Methylphenol | 1800 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 1800 | U |
| 106-44-5 | 4-Methylphenol | 1800 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1800 | U |
| 67-72-1 | Hexachloroethane | 1800 | U |
| 98-95-3 | Nitrobenzene | 1800 | U |
| 78-59-1 | Isophorone | 1800 | U |
| 88-75-5 | 2-Nitrophenol | 1800 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1800 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1800 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1800 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1800 | U |
| 91-20-3 | Naphthalene | 1800 | U |
| 106-47-8 | 4-Chloroaniline | 1800 | U |
| 87-68-3 | Hexachlorobutadiene | 1800 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 1800 | U |
| 91-57-6 | 2-Methylnaphthalene | 1800 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1800 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1800 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 4500 | U |
| 91-58-7 | 2-Chloronaphthalene | 1800 | U |
| 88-74-4 | 2-Nitroaniline | 4500 | U |
| 131-11-3 | Dimethylphtalate | 1800 | U |
| 208-96-8 | Acenaphthylene | 1800 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1800 | U |
| 99-09-2 | 3-Nitroaniline | 4500 | U |
| 83-32-9 | Acenaphthene | 1800 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

| |
|----------|
| BD122199 |
|----------|

| | | |
|---------------------------------------|-------------------|--------------------------|
| Lab Name: STL Envirotech | Contract: N/A | |
| Lab Code: N/A | Case No.: N/A | SAS No.: N/A |
| | | SDG No.: W3421 |
| Matrix: (soil/water) SOIL | | Lab Sample ID: 176455 |
| Sample wt/vol: 30.0 (g/mL) G | | Lab File ID: M9716 |
| Level: (low/med) LOW | | Date Received: 12/22/99 |
| % Moisture: 6 | decanted: (Y/N) N | Date Extracted: 12/23/99 |
| Concentrated Extract Volume: 500 (uL) | | Date Analyzed: 01/05/00 |
| Injection Volume: 2.0 (uL) | | Dilution Factor: 1.0 |
| GPC Cleanup: (Y/N) Y | pH: 8.73 | |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------|------------------------------|---|---|
| 108-95-2 | Phenol | 7 | J |
| 111-44-4 | bis (2-Chloroethyl) Ether | 350 | U |
| 95-57-8 | 2-Chlorophenol | 350 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 350 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 350 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 350 | U |
| 95-48-7 | 2-Methylphenol | 350 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 106-44-5 | 4-Methylphenol | 350 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 350 | U |
| 67-72-1 | Hexachloroethane | 350 | U |
| 98-95-3 | Nitrobenzene | 350 | U |
| 78-59-1 | Isophorone | 350 | U |
| 88-75-5 | 2-Nitrophenol | 350 | U |
| 105-67-9 | 2,4-Dimethylphenol | 350 | U |
| 111-91-1 | bis (2-Chloroethoxy) methane | 350 | U |
| 120-83-2 | 2,4-Dichlorophenol | 350 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 350 | U |
| 91-20-3 | Naphthalene | 350 | U |
| 106-47-8 | 4-Chloroaniline | 350 | U |
| 87-68-3 | Hexachlorobutadiene | 350 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 350 | U |
| 91-57-6 | 2-Methylnaphthalene | 6 | J |
| 77-47-4 | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 850 | U |
| 91-58-7 | 2-Chloronaphthalene | 350 | U |
| 88-74-4 | 2-Nitroaniline | 850 | U |
| 131-11-3 | Dimethylphthalate | 350 | U |
| 208-96-8 | Acenaphthylene | 5 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 350 | U |
| 99-09-2 | 3-Nitroaniline | 850 | U |
| 83-32-9 | Acenaphthene | 10 | J |



Client ID: SB-09A_10-12
Site: HWD, Inc.

Lab Sample ID: 176453
Lab Job No: W342

Date Sampled: 12/21/99
Date Received: 12/22/99
Date Extracted: 12/30/99
Date Analyzed: 01/02/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC7.i
Front File ID: of015420.d
Rear File ID: or015420.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 6

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | <u>Quantitation</u> | |
|------------------|--|---------------------|----------------------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | <u>Limit</u> | <u>Units: ug/kg Column</u> |
| Aroclor-1016 | ND | 71 | R |
| Aroclor-1221 | ND | 71 | R |
| Aroclor-1232 | ND | 71 | R |
| Aroclor-1242 | ND | 71 | R |
| Aroclor-1248 | ND | 71 | R |
| Aroclor-1254 | ND | 71 | R |
| Aroclor-1260 | 450 | 71 | R |
| Aroclor-1262 | ND | 71 | R |
| Aroclor-1268 | ND | 71 | R |



Client ID: SB-09B_12-14
 Site: HWD, Inc.

Lab Sample ID: 176454
 Lab Job No: W342

Date Sampled: 12/21/99
 Date Received: 12/22/99
 Date Extracted: 01/04/00
 Date Analyzed: 01/05/00
 GC Front Column: DB-5
 GC Rear Column: DB-608
 Instrument ID: PESTGC5.i
 Front File ID: pf020193.d
 Rear File ID: pr020193.d

Matrix: SOIL
 Level: LOW
 Sample Weight: 15 g
 Extract Final Volume: 10.0 ml
 Dilution Factor: 1.0
 % Moisture: 11

ORGANOCHLORINE PCBs - GC/ECD
 METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | | <u>Quantitation</u> | |
|------------------|--|----|---------------------|-----------------------------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | | <u>Limit</u> | <u>Units: ug/kg</u> <u>Column</u> |
| Aroclor-1016 | | ND | 75 | R |
| Aroclor-1221 | | ND | 75 | R |
| Aroclor-1232 | | ND | 75 | R |
| Aroclor-1242 | 590 | | 75 | R |
| Aroclor-1248 | | ND | 75 | R |
| Aroclor-1254 | | ND | 75 | R |
| Aroclor-1260 | 750 | | 75 | R |
| Aroclor-1262 | | ND | 75 | R |
| Aroclor-1268 | | ND | 75 | R |



Client ID: BD122199
Site: HWD, Inc.

Lab Sample ID: 176455
Lab Job No: W342

Date Sampled: 12/21/99
Date Received: 12/22/99
Date Extracted: 12/30/99
Date Analyzed: 01/03/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC7.i
Front File ID: of015422.d
Rear File ID: or015422.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 6

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | | <u>Quantitation</u> | |
|------------------|--|----|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | | <u>Limit</u> | <u>Column</u> |
| Aroclor-1016 | | ND | 71 | R |
| Aroclor-1221 | | ND | 71 | R |
| Aroclor-1232 | | ND | 71 | R |
| Aroclor-1242 | | ND | 71 | R |
| Aroclor-1248 | | ND | 71 | R |
| Aroclor-1254 | | ND | 71 | R |
| Aroclor-1260 | 460 | | 71 | R |
| Aroclor-1262 | | ND | 71 | R |
| Aroclor-1268 | | ND | 71 | R |

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB09A_10-12

Lab Name: STL_ENVIROTECH Contract:

Lab Code: 11452 Case No.: SAS No.: SDG No.: W3423

Matrix (soil/water): SOIL Lab Sample ID: 176453

Level (low/med): LOW Date Received: 12/22/99

% Solids: 94.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 2300 | - | | P |
| 7440-36-0 | Antimony | 0.96 | U | | P |
| 7440-38-2 | Arsenic | 1.1 | B | | P |
| 7440-39-3 | Barium | 16.0 | B | | P |
| 7440-41-7 | Beryllium | 0.11 | B | | P |
| 7440-43-9 | Cadmium | 0.08 | U | | P |
| 7440-70-2 | Calcium | 4940 | - | J | P |
| 7440-47-3 | Chromium | 6.6 | - | | P |
| 7440-48-4 | Cobalt | 1.2 | B | | P |
| 7440-50-8 | Copper | 6.4 | - | | P |
| 7439-89-6 | Iron | 3880 | - | * | P |
| 7439-92-1 | Lead | 10.5 | - | * | P |
| 7439-95-4 | Magnesium | 808 | B | | P |
| 7439-96-5 | Manganese | 52.4 | - | J* | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 4.2 | B | | P |
| 7440-09-7 | Potassium | 86.3 | B | | P |
| 7782-49-2 | Selenium | 0.84 | U | | P |
| 7440-22-4 | Silver | 0.27 | U | | P |
| 7440-23-5 | Sodium | 72.1 | U | | P |
| 7440-28-0 | Thallium | 0.90 | U | | P |
| 7440-62-2 | Vanadium | 6.1 | B | | P |
| 7440-66-6 | Zinc | 35.2 | - | | P |
| 5955-70-0 | Cyanide | 0.53 | X | UN | C |

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB09B_12-14

Lab Name: STL_ENVIROTECH Contract: _____

Lab Code: 11452 Case No.: _____ SAS No.: _____ SDG No.: W3423

Matrix (soil/water): SOIL Lab Sample ID: 176454

Level (low/med): LOW Date Received: 12/22/99

Solids: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|-----|----|
| 7429-90-5 | Aluminum | 771 | | | P |
| 7440-36-0 | Antimony | 1.0 | U | | P |
| 7440-38-2 | Arsenic | 0.76 | U | | P |
| 7440-39-3 | Barium | 5.1 | B | | P |
| 7440-41-7 | Beryllium | 0.08 | B | | P |
| 7440-43-9 | Cadmium | 0.09 | U | | P |
| 7440-70-2 | Calcium | 338 | B | H | P |
| 7440-47-3 | Chromium | 1.9 | B | | P |
| 7440-48-4 | Cobalt | 0.44 | B | | P |
| 7440-50-8 | Copper | 1.7 | B | | P |
| 7439-89-6 | Iron | 1680 | | * | P |
| 7439-92-1 | Lead | 1.2 | | * | P |
| 7439-95-4 | Magnesium | 231 | B | | P |
| 7439-96-5 | Manganese | 13.1 | | H * | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 1.4 | B | | P |
| 7440-09-7 | Potassium | 127 | B | | P |
| 7782-49-2 | Selenium | 0.91 | U | | P |
| 7440-22-4 | Silver | 0.29 | U | | P |
| 7440-23-5 | Sodium | 109 | B | | P |
| 7440-28-0 | Thallium | 0.98 | U | | P |
| 7440-62-2 | Vanadium | 2.5 | B | | P |
| 7440-66-6 | Zinc | 8.2 | | | P |
| 5955-70-0 | Cyanide | 0.56 | N | N | C |

Color Before: _____ Clarity Before: _____ Texture: _____
 Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BD122199

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W3423_

Matrix (soil/water): SOIL_ Lab Sample ID: 176455

Level (low/med): LOW_ Date Received: 12/22/99

% Solids: _93.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 984 | - | | P |
| 7440-36-0 | Antimony | 0.96 | U | | P |
| 7440-38-2 | Arsenic | 0.70 | U | | P |
| 7440-39-3 | Barium | 6.6 | B | | P |
| 7440-41-7 | Beryllium | 0.09 | B | | P |
| 7440-43-9 | Cadmium | 0.08 | U | | P |
| 7440-70-2 | Calcium | 815 | B | H | P |
| 7440-47-3 | Chromium | 3.5 | - | | P |
| 7440-48-4 | Cobalt | 0.60 | B | | P |
| 7440-50-8 | Copper | 3.4 | B | | P |
| 7439-89-6 | Iron | 1840 | - | * | P |
| 7439-92-1 | Lead | 5.3 | - | * | P |
| 7439-95-4 | Magnesium | 205 | B | | P |
| 7439-96-5 | Manganese | 14.2 | - | H* | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 2.8 | B | | P |
| 7440-09-7 | Potassium | 49.3 | B | | P |
| 7782-49-2 | Selenium | 0.84 | U | | P |
| 7440-22-4 | Silver | 0.27 | U | | P |
| 7440-23-5 | Sodium | 72.3 | U | | P |
| 7440-28-0 | Thallium | 0.90 | U | | P |
| 7440-62-2 | Vanadium | 4.2 | B | | P |
| 7440-66-6 | Zinc | 12.7 | - | | P |
| 5955-70-0 | Cyanide | 0.53 | U | N | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB122199

Lab Name: STL_ENVIROTECH _____ Contract: _____

Lab Code: 11452_ Case No.: _____ SAS No.: _____ SDG No.: W3423_

Matrix (soil/water): WATER Lab Sample ID: 176460

Level (low/med): LOW_ Date Received: 12/22/99

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 183 | U | | P |
| 7440-36-0 | Antimony | 9.4 | U | | P |
| 7440-38-2 | Arsenic | 6.8 | U | | P |
| 7440-39-3 | Barium | 2.0 | U | | P |
| 7440-41-7 | Beryllium | 0.40 | U | | P |
| 7440-43-9 | Cadmium | 0.80 | U | | P |
| 7440-70-2 | Calcium | 130 | U | | P |
| 7440-47-3 | Chromium | 2.4 | U | | P |
| 7440-48-4 | Cobalt | 2.6 | U | | P |
| 7440-50-8 | Copper | 5.4 | U | | P |
| 7439-89-6 | Iron | 68.6 | U | X | P |
| 7439-92-1 | Lead | 5.2 | U | X | P |
| 7439-95-4 | Magnesium | 103 | U | | P |
| 7439-96-5 | Manganese | 1.4 | U | X | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 2.6 | U | | P |
| 7440-09-7 | Potassium | 260 | U | | P |
| 7782-49-2 | Selenium | 8.2 | U | | P |
| 7440-22-4 | Silver | 2.6 | U | | P |
| 7440-23-5 | Sodium | 706 | U | | P |
| 7440-28-0 | Thallium | 8.8 | U | | P |
| 7440-62-2 | Vanadium | 3.6 | U | | P |
| 7440-66-6 | Zinc | 11.4 | U | | P |
| 5955-70-0 | Cyanide | 10.0 | U | X | C |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:



Site: HWD, Inc.

Lab Job No: W342

Date Sampled: 12/21/99
Date Received: 12/22/99
Matrix: SOIL

Date Analyzed: 12/30/99
QA Batch: 1642

TOTAL ORGANIC CARBON

| <u>Envirotech Sample #</u> | <u>Client ID</u> | <u>% Moisture</u> | <u>Dilution Factor</u> | <u>Analytical Result mg/kg (Dry Wt.)</u> |
|--------------------------------|------------------|-------------------|----------------------------|--|
| 176453 | SB-09A_10-12 | 5.9 | 5.0 | 3310 |
| 176454 | SB-09B_12-14 | 11.2 | 5.0 | 2500 |
| 176455 | BD122199 | 6.1 | 10 | 3320 |

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.



Site: HWD, Inc.

Lab Job No: W342

Date Sampled: 12/21/99
Date Received: 12/22/99
Matrix: WATER

Date Analyzed: 12/23/99
QA Batch: 1640

TOTAL ORGANIC CARBON

| <u>Envirotech Sample #</u> | <u>Client ID</u> | <u>Dilution Factor</u> | <u>Analytical Result Units: mg/l</u> |
|--------------------------------|------------------|----------------------------|--|
| 176460 | FB122199 | 1.0 | ND |

Quantitation Limit for Total Organic Carbon is 1.0 mg/l for an undiluted sample.

BLASLAND, BOUCK & LEE, INC.
LABORATORY DATA REVIEW REPORT

Project: Hazardous Waste Disposal, Inc.
 Analytical Laboratory: STL Envirotech
 Laboratory Report Identification Number: V7273
 Date of Laboratory Report: January 18, 2000
 Date of Review: February 22, 2000
 Reviewer: Laurie Indick
 Number of Samples: 17
 Sample Matrix: water
 Date of Collection: 11/30/99-12/6/99

Sample Analysis: Volatiles

Quality Control Checks

- | | | | | |
|----|--|------------|-----------|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| - | - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - | - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - | - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - | - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - | - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - | - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| - | - RPD, matrix spike | <u>yes</u> | no | not applicable |
| - | - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | yes | <u>no</u> | not applicable |

Notes:

Methylene chloride was detected in one of the method blanks. Based on the blank content, data for methylene chloride has been qualified as undetected in samples HP-4B(42), HP-4C(72), HP-4D(95), HP-5A(17), HP-5B(43), HP-5D(96) and BD120299.

Other than for the deviation noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Reviewed and Approved:



Quality Assurance Manager

Project Manager

SAMPLE COMPLIANCE REPORT

Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Sample Delivery Group | Sampling Date | ASP Protocol | Sample ID | Matrix | Compliance ¹ | | | | Noncompliance |
|-----------------------|---------------|--------------|--------------|--------|-------------------------|-----|-----|-----|--------------------|
| | | | | | VOA | BNA | PCB | TAL | |
| V7273 | 11/30/99 | 1995 | HP-4A(18) | water | yes | -- | -- | -- | |
| V7273 | 11/30/99 | 1995 | HP-4B(42) | water | no | -- | -- | -- | blank ² |
| V7273 | 12/1/99 | 1995 | HP-4C(72) | water | no | -- | -- | -- | blank ² |
| V7273 | 12/1/99 | 1995 | HP-4D(95) | water | no | -- | -- | -- | blank ² |
| V7273 | 12/1/99 | 1995 | HP-5A(17) | water | no | -- | -- | -- | blank ² |
| V7273 | 12/1/99 | 1995 | HP-5B(43) | water | no | -- | -- | -- | blank ² |
| V7273 | -- | 1995 | TB120299 | water | yes | -- | -- | -- | |
| V7273 | 12/2/99 | 1995 | HP-5C(73) | water | yes | -- | -- | -- | |
| V7273 | 12/2/99 | 1995 | HP-5D(96) | water | no | -- | -- | -- | blank ² |
| V7273 | 12/2/99 | 1995 | BD120299 | water | no | -- | -- | -- | blank ² |
| V7273 | 12/2/99 | 1995 | HP-10A(18.0) | water | yes | -- | -- | -- | |
| V7273 | 12/2/99 | 1995 | HP-10B(44.0) | water | yes | -- | -- | -- | |
| V7273 | 12/2/99 | 1995 | HP-10C(74.0) | water | yes | -- | -- | -- | |
| V7273 | 12/2/99 | 1995 | HP-10D(96.0) | water | yes | -- | -- | -- | |
| V7273 | 12/3/99 | 1995 | HP-12A(18.0) | water | yes | -- | -- | -- | |
| V7273 | 12/6/99 | 1995 | HP-12B(44.0) | water | yes | -- | -- | -- | |
| V7273 | 12/6/99 | 1995 | HP-12C(74.0) | water | yes | -- | -- | -- | |
| | | | | | | | | | |

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 Although the deviation resulted in the qualification of data, the laboratory was method compliant.

Corrected Laboratory Report Sheets

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-4B_42

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7273

Matrix: (soil/water) WATER

Lab Sample ID: 172192

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: B0834

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. _____

Date Analyzed: 12/06/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-4C_72

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7273
 Matrix: (soil/water) WATER Lab Sample ID: 172194
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B0836
 Level: (low/med) LOW Date Received: 12/02/99
 % Moisture: not dec. _____ Date Analyzed: 12/06/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 1 | J |
| 75-34-3 | -----1,1-Dichloroethane | 0.7 | J |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 0.8 | J |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 1 | J |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 7 | J |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-4D_95

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7273
 Matrix: (soil/water) WATER Lab Sample ID: 172195
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B0837
 Level: (low/med) LOW Date Received: 12/02/99
 % Moisture: not dec. _____ Date Analyzed: 12/06/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 0.6 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 0.9 | J |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 14 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

| |
|----------|
| HP-4D_95 |
|----------|

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7273

Matrix: (soil/water) WATER

Lab Sample ID: 172195

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B0837

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. _____

Date Analyzed: 12/06/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|-------|------------|----|
| 1. 1634-04-4 | PROPANE, 2-METHOXY-2-METHYL- | 8.93 | 10 | NJ |
| 2. 66-25-1 | HEXANAL | 14.54 | 12 | NJ |
| 3. 124-19-6 | NONANAL | 18.99 | 6 | NJ |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-5B_43

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7273
 Matrix: (soil/water) WATER Lab Sample ID: 172199
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B0839
 Level: (low/med) LOW Date Received: 12/02/99
 % Moisture: not dec. _____ Date Analyzed: 12/06/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | J |
| 75-34-3 | 1,1-Dichloroethane | 1 | J |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 1 | J |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 57 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 0.6 | J |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TB120299

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7273

Matrix: (soil/water) WATER

Lab Sample ID: 172200

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: B0832

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. _____

Date Analyzed: 12/06/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | Q |
|------------|---------------------------------|------|
| 74-87-3 | -----Chloromethane | 10 U |
| 74-83-9 | -----Bromomethane | 10 U |
| 75-01-4 | -----Vinyl Chloride | 10 U |
| 75-00-3 | -----Chloroethane | 10 U |
| 75-09-2 | -----Methylene Chloride | 10 U |
| 67-64-1 | -----Acetone | 10 U |
| 75-15-0 | -----Carbon Disulfide | 10 U |
| 75-35-4 | -----1,1-Dichloroethene | 10 U |
| 75-34-3 | -----1,1-Dichloroethane | 10 U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 U |
| 67-66-3 | -----Chloroform | 10 U |
| 107-06-2 | -----1,2-Dichloroethane | 10 U |
| 78-93-3 | -----2-Butanone | 10 U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 U |
| 56-23-5 | -----Carbon Tetrachloride | 10 U |
| 75-27-4 | -----Bromodichloromethane | 10 U |
| 78-87-5 | -----1,2-Dichloropropane | 10 U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 U |
| 79-01-6 | -----Trichloroethene | 10 U |
| 124-48-1 | -----Dibromochloromethane | 10 U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 U |
| 71-43-2 | -----Benzene | 10 U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 U |
| 75-25-2 | -----Bromoform | 10 U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 U |
| 591-78-6 | -----2-Hexanone | 10 U |
| 127-18-4 | -----Tetrachloroethene | 10 U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 U |
| 108-88-3 | -----Toluene | 10 U |
| 108-90-7 | -----Chlorobenzene | 10 U |
| 100-41-4 | -----Ethylbenzene | 10 U |
| 100-42-5 | -----Styrene | 10 U |
| 1330-20-7 | -----Xylenes (Total) | 10 U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-5C_73

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7273
 Matrix: (soil/water) WATER Lab Sample ID: 172201
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B0840
 Level: (low/med) LOW Date Received: 12/02/99
 % Moisture: not dec. _____ Date Analyzed: 12/06/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 0.6 | J |
| 75-34-3 | -----1,1-Dichloroethane | 0.6 | J |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 2 | J |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 120 | |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-5C_73

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7273

Matrix: (soil/water) WATER

Lab Sample ID: 172201

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B0840

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. _____

Date Analyzed: 12/06/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|-------|------------|----|
| 1. 1634-04-4 | PROPANE, 2-METHOXY-2-METHYL- | 8.93 | 8 | NJ |
| 2. | UNKNOWN ALKANE | 17.39 | 7 | J |
| 3. | UNKNOWN ALKANE | 17.74 | 13 | J |
| 4. | UNKNOWN ALKANE | 18.01 | 17 | J |
| 5. | UNKNOWN ALKANE | 18.24 | 7 | J |
| 6. 124-19-6 | NONANAL | 19.01 | 6 | NJ |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-5D_96

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7273
 Matrix: (soil/water) WATER Lab Sample ID: 172202
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B0841
 Level: (low/med) LOW Date Received: 12/02/99
 % Moisture: not dec. _____ Date Analyzed: 12/06/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 0.7 | J |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 2 | J |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 120 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-10B_44.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7273

Matrix: (soil/water) WATER

Lab Sample ID: 172710

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: B0851

Level: (low/med) LOW

Date Received: 12/03/99

% Moisture: not dec. _____

Date Analyzed: 12/07/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 0.6 | J |
| 75-34-3 | 1,1-Dichloroethane | 0.7 | J |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 1 | J |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 16 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-10C_74.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7273
 Matrix: (soil/water) WATER Lab Sample ID: 172711
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B0852
 Level: (low/med) LOW Date Received: 12/03/99
 % Moisture: not dec. _____ Date Analyzed: 12/07/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 0.7 | J |
| 75-34-3 | 1,1-Dichloroethane | 0.7 | J |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 0.7 | J |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 1 | J |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 12 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylenes (Total) | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-10D_96.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7273
 Matrix: (soil/water) WATER Lab Sample ID: 172712
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B0853
 Level: (low/med) LOW Date Received: 12/03/99
 % Moisture: not dec. _____ Date Analyzed: 12/07/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 0.5 | J |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 0.5 | J |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 1 | J |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 29 | |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-12C_74.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7273

Matrix: (soil/water) WATER

Lab Sample ID: 173283

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: B0988

Level: (low/med) LOW

Date Received: 12/08/99

% Moisture: not dec. _____

Date Analyzed: 12/15/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 0.8 | J |
| 67-66-3 | -----Chloroform | 0.6 | J |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 0.8 | J |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 10 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

BLASLAND, BOUCK & LEE, INC.
LABORATORY DATA REVIEW REPORT

Project: Hazardous Waste Disposal, Inc.
 Analytical Laboratory: STL Envirotech
 Laboratory Report Identification Number: V9131
 Date of Laboratory Report: January 19, 2000
 Date of Review: February 23, 2000
 Reviewer: Laurie Indick
 Number of Samples: 19
 Sample Matrix: water
 Date of Collection: 12/6/99-12/10/99

Sample Analysis: Volatiles

Quality Control Checks

- | | | | | |
|----|--|------------|----|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| | - %D, continuing calibration | <u>yes</u> | no | not applicable |
| | - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| | - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| | - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| | - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, matrix spike | <u>yes</u> | no | not applicable |
| | - RPD, field duplicate | <u>yes</u> | no | not applicable |
| 8. | Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes: _____

All data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Reviewed and Approved:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke, positioned above a horizontal line.

Quality Assurance Manager

Project Manager

SAMPLE COMPLIANCE REPORT

Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Sample Delivery Group | Sampling Date | ASP Protocol | Sample ID | Matrix | Compliance ¹ | | | | Noncompliance |
|-----------------------|---------------|--------------|--------------|--------|-------------------------|-----|-----|-----|---------------|
| | | | | | VOA | BNA | PCB | TAL | |
| V9131 | 12/6/99 | 1995 | HP-12D(96.0) | water | yes | -- | -- | -- | |
| V9131 | 12/6/99 | 1995 | HP-3A(19.0) | water | yes | -- | -- | -- | |
| V9131 | 12/7/99 | 1995 | HP-3B(44.0) | water | yes | -- | -- | -- | |
| V9131 | 12/7/99 | 1995 | HP-3C(74.0) | water | yes | -- | -- | -- | |
| V9131 | 12/7/99 | 1995 | HP-3D(96.0) | water | yes | -- | -- | -- | |
| V9131 | 12/7/99 | 1995 | HP-11A(18.0) | water | yes | -- | -- | -- | |
| V9131 | 12/7/99 | 1995 | HP-11B(44.0) | water | yes | -- | -- | -- | |
| V9131 | 12/8/99 | 1995 | HP-11C(74.0) | water | yes | -- | -- | -- | |
| V9131 | 12/8/99 | 1995 | HP-11D(96.0) | water | yes | -- | -- | -- | |
| V9131 | -- | 1995 | TB120899 | water | yes | -- | -- | -- | |
| V9131 | 12/9/99 | 1995 | HP-08(18.0) | water | yes | -- | -- | -- | |
| V9131 | 12/9/99 | 1995 | HP-08B(44.0) | water | yes | -- | -- | -- | |
| V9131 | 12/9/99 | 1995 | HP-08C(74.0) | water | yes | -- | -- | -- | |
| V9131 | 12/9/99 | 1995 | HP-08D(96.0) | water | yes | -- | -- | -- | |
| V9131 | 12/10/99 | 1995 | HP-14A(18.0) | water | yes | -- | -- | -- | |
| V9131 | 12/10/99 | 1995 | BD121099 | water | yes | -- | -- | -- | |
| V9131 | 12/10/99 | 1995 | HP-14B(44.0) | water | yes | -- | -- | -- | |
| V9131 | 12/10/99 | 1995 | HP-14C(74.0) | water | yes | -- | -- | -- | |
| V9131 | 12/10/99 | 1995 | HP-14D(96.0) | water | yes | -- | -- | -- | |
| | | | | | | | | | |

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 Although the deviation resulted in the qualification of data, the laboratory was method compliant.

Corrected Laboratory Report Sheets

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-3B_44.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V9131
 Matrix: (soil/water) WATER Lab Sample ID: 173286
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B0960
 Level: (low/med) LOW Date Received: 12/08/99
 % Moisture: not dec. _____ Date Analyzed: 12/14/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 2.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|----------------------------|--|---|
| 74-87-3 | Chloromethane | 20 | U |
| 74-83-9 | Bromomethane | 20 | U |
| 75-01-4 | Vinyl Chloride | 20 | U |
| 75-00-3 | Chloroethane | 20 | U |
| 75-09-2 | Methylene Chloride | 20 | U |
| 67-64-1 | Acetone | 20 | U |
| 75-15-0 | Carbon Disulfide | 20 | U |
| 75-35-4 | 1,1-Dichloroethene | 20 | U |
| 75-34-3 | 1,1-Dichloroethane | 20 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 20 | U |
| 67-66-3 | Chloroform | 20 | U |
| 107-06-2 | 1,2-Dichloroethane | 20 | U |
| 78-93-3 | 2-Butanone | 20 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | U |
| 56-23-5 | Carbon Tetrachloride | 20 | U |
| 75-27-4 | Bromodichloromethane | 20 | U |
| 78-87-5 | 1,2-Dichloropropane | 20 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | U |
| 79-01-6 | Trichloroethene | 20 | U |
| 124-48-1 | Dibromochloromethane | 20 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | U |
| 71-43-2 | Benzene | 20 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | U |
| 75-25-2 | Bromoform | 20 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 20 | U |
| 591-78-6 | 2-Hexanone | 20 | U |
| 127-18-4 | Tetrachloroethene | 20 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | U |
| 108-88-3 | Toluene | 20 | U |
| 108-90-7 | Chlorobenzene | 20 | U |
| 100-41-4 | Ethylbenzene | 2 | J |
| 100-42-5 | Styrene | 20 | U |
| 1330-20-7 | Xylenes (Total) | 20 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-08A_18.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V9131
 Matrix: (soil/water) WATER Lab Sample ID: 174185
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B1003
 Level: (low/med) LOW Date Received: 12/10/99
 % Moisture: not dec. _____ Date Analyzed: 12/16/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 0.6 | J |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 4 | J |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 0.6 | J |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 0.7 | J |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 1 | J |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-08C_74.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V9131

Matrix: (soil/water) WATER

Lab Sample ID: 174187

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B0983

Level: (low/med) LOW

Date Received: 12/10/99

% Moisture: not dec. _____

Date Analyzed: 12/15/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|------|------------|----|
| 1. 1634-04-4 | PROPANE, 2-METHOXY-2-METHYL- | 8.90 | 17 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-11B_44.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V9131

Matrix: (soil/water) WATER

Lab Sample ID: 173292

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B1002

Level: (low/med) LOW

Date Received: 12/08/99

% Moisture: not dec. _____

Date Analyzed: 12/16/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 24

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|-------|------------|----|
| 1. 354-23-4 | ETHANE, 1,2-DICHLORO-1,1,2-T | 7.30 | 15 | NJ |
| 2. 354-58-5 | ETHANE, 1,1,1-TRICHLORO-2,2, | 7.73 | 20 | NJ |
| 3. | C6H14 ALKANE | 8.54 | 12 | J |
| 4. | C6H14 ALKANE | 8.90 | 9 | J |
| 5. | C6H14 ALKANE | 9.28 | 85 | J |
| 6. | C6H12 CYCLOALKANE | 10.19 | 14 | J |
| 7. | C7H16 ALKANE | 10.89 | 5 | J |
| 8. | C6H12 CYCLOALKANE | 11.08 | 19 | J |
| 9. | C7H16 ALKANE | 11.65 | 7 | J |
| 10. | C7H14 CYCLOALKANE | 12.47 | 11 | J |
| 11. 98-82-8 | BENZENE, (1-METHYLETHYL)- | 16.40 | 8 | J |
| 12. 103-65-1 | BENZENE, PROPYL- | 16.88 | 23 | NJ |
| 13. | TRIMETHYLBENZENE ISOMER | 16.96 | 85 | J |
| 14. | ETHYLMETHYLBENZENE ISOMER | 17.32 | 26 | J |
| 15. | TRIMETHYLBENZENE ISOMER | 17.50 | 59 | J |
| 16. | METHYL-METHYLETHYLBENZENE IS | 17.75 | 9 | J |
| 17. | METHYL-METHYLETHYLBENZENE IS | 17.82 | 6 | J |
| 18. | ETHYLMETHYLBENZENE ISOMER | 18.01 | 17 | J |
| 19. | METHYLPROPYLBENZENE ISOMER | 18.18 | 18 | J |
| 20. | METHYLPROPYLBENZENE ISOMER/U | 18.49 | 10 | J |
| 21. | ETHYLDIMETHYLBENZENE ISOMER | 18.60 | 7 | J |
| 22. | ETHYLDIMETHYLBENZENE ISOMER | 18.70 | 8 | J |
| 23. | 2,3-DIHYDRO-METHYL-1H-INDENE | 18.94 | 5 | J |
| 24. | METHYL-METHYLETHYLBENZENE IS | 19.10 | 5 | J |
| 25. | | | | |
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| 27. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-14B_44.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V9131
 Matrix: (soil/water) WATER Lab Sample ID: 174195
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B0955
 Level: (low/med) LOW Date Received: 12/10/99
 % Moisture: not dec. _____ Date Analyzed: 12/14/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 2 | J |
| 75-34-3 | -----1,1-Dichloroethane | 2 | J |
| 540-59-0 | -----1,2-Dichloroethene (total) | 0.6 | J |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 0.8 | J |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 2 | J |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 2 | J |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-14B_44.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V9131

Matrix: (soil/water) WATER

Lab Sample ID: 174195

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B0955

Level: (low/med) LOW

Date Received: 12/10/99

% Moisture: not dec. _____

Date Analyzed: 12/14/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|-------|------------|----|
| 1. 1634-04-4 | PROPANE, 2-METHOXY-2-METHYL- | 8.92 | 30 | NJ |
| 2. 994-05-8 | BUTANE, 2-METHOXY-2-METHYL- | 11.51 | 8 | NJ |
| 3. | | | | |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HP-14D_96.0

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V9131
 Matrix: (soil/water) WATER Lab Sample ID: 174197
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: B0957
 Level: (low/med) LOW Date Received: 12/10/99
 % Moisture: not dec. _____ Date Analyzed: 12/14/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 0.7 | J |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 0.7 | J |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 4 | J |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

HP-14D_96.0

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V9131

Matrix: (soil/water) WATER

Lab Sample ID: 174197

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B0957

Level: (low/med) LOW

Date Received: 12/10/99

% Moisture: not dec. _____

Date Analyzed: 12/14/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. 1634-04-4 | PROPANE, 2-METHOXY-2-METHYL- | 8.90 | 12 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

| |
|----------|
| BD121099 |
|----------|

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V9131

Matrix: (soil/water) WATER

Lab Sample ID: 174191

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B0954

Level: (low/med) LOW

Date Received: 12/10/99

% Moisture: not dec. _____

Date Analyzed: 12/14/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TB120899

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V9131

Matrix: (soil/water) WATER

Lab Sample ID: 173296

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B0967

Level: (low/med) LOW

Date Received: 12/08/99

% Moisture: not dec. _____

Date Analyzed: 12/14/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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BLASLAND, BOUCK & LEE, INC.
LABORATORY DATA REVIEW REPORT

Project: Hazardous Waste Disposal, Inc.
 Analytical Laboratory: STL Envirotech
 Laboratory Report Identification Number: V7271, V727, V810, V913, V7272
 Date of Laboratory Report: January 7, 17 and 21, 2000
 Date of Review: February 23, 2000
 Reviewer: Laurie Indick
 Number of Samples: 12
 Sample Matrix: 10-soil; 2-water
 Date of Collection: 11/30/99-12/8/99

Sample Analysis: Volatiles

Quality Control Checks

- | | | | | |
|----|--|------------|-----------|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | <u>yes</u> | no | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| - | - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - | - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - | - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - | - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - | - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - | - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| - | - RPD, matrix spike | <u>yes</u> | no | not applicable |
| - | - RPD, field duplicate | yes | no | <u>not applicable</u> |
| 8. | Target analyte concentrations below reporting limit in all blank samples | yes | <u>no</u> | not applicable |

Notes:

Surrogates were diluted beyond the range of detection in sample SB-11B(12-14).

No data qualification based on diluted surrogates is warranted.

Methylene chloride was detected in two of the method blanks and in one of the field blanks. Based on the blank content, data for methylene chloride has been qualified as undetected in sample SB-5A(0-2).

Other than for the deviation noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: SemivolatilesQuality Control Checks

| | | | | |
|----|--|------------|-----------|-----------------------|
| 1. | Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. | Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. | All documentation supplied | <u>yes</u> | no | not applicable |
| 4. | Samples analyzed within specified holding times | yes | <u>no</u> | not applicable |
| 5. | The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. | Laboratory accuracy maintained within established ranges for the following: | | | |
| | - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| | - %D, continuing calibration | <u>yes</u> | no | not applicable |
| | - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| | - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| | - %Recovery, surrogate | yes | <u>no</u> | not applicable |
| | - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. | Laboratory precision maintained within established ranges for the following: | | | |
| | - RPD, matrix spike | yes | <u>no</u> | not applicable |
| | - RPD, field duplicate | yes | no | <u>not applicable</u> |
| 8. | Target analyte concentrations below reporting limit in all blank samples | yes | <u>no</u> | not applicable |

Notes: _____

Sample SB-4B(10-12) was extracted over the ASP-specified holding time. Since it was extracted within the technical holding time, no data was qualified based on the deviation. Sample SB-10A(8-10) was originally extracted within the specified holding time. Due to noncompliant surrogate recoveries, the sample was later reextracted outside the holding time. All data for the reextracted sample have been qualified as estimated based on the holding time violation.

Recoveries for three acid surrogates were above control limits in sample SB-10A(8-10). All positive acid compound data have been qualified as estimated

based on the recoveries. Recovery for one surrogate was above control limits in sample SB-11A(10-12). Since recoveries for all remaining surrogates were within control limits, no data have been qualified based on the deviation.

All matrix spike and matrix spike duplicate recoveries were within control limits. The relative percent differences between recoveries were, however, outside control limits for two compounds. No data have been qualified based on the deviations.

The response for one internal standard was below established limits in sample SB-10A(8-10). All data quantitated under the noncompliant standard have been rejected based on the deviation.

Di-n-butyl phthalate and bis(2-ethylhexyl)phthalate were detected in one of the method blanks. Based on the blank content, data for bis(2-ethylhexyl)phthalate has been qualified as undetected in sample SB-10A(8-10)RE. In addition to the listed target compound, several nontarget compounds were detected in the method blanks. When common to the blanks and samples, their presence in the samples have been rejected.

Other than for the deviations noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: PesticidesQuality Control Checks

- | | | | |
|---|------------|-----------|-----------------------|
| 1. Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. All documentation supplied | <u>yes</u> | no | not applicable |
| 4. Samples analyzed within specified holding times | yes | <u>no</u> | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | <u>yes</u> | no | not applicable |
| - RPD, field duplicate | yes | no | <u>not applicable</u> |
| 8. Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes:

Sample SB-5A(0-2) was extracted one day over the ASP-specified holding time. Since the sample was analyzed within the technical holding time, no data have been qualified based on the deviation.

Based on the differences between quantitated results on the two analytical columns data for 4,4'-DDT have been rejected and data for Endosulfan II and Endrin aldehyde have been qualified as estimated in sample SB-5A(0-2).

Other than for the deviation noted in this review, all data quality parameters

were within method specifications and the data is considered acceptable for use
as reported by the laboratory.

Sample Analysis: PCBsQuality Control Checks

- | | | | |
|---|------------|-----------|-----------------------|
| 1. Field Chain-of-Custody complete | <u>yes</u> | no | not applicable |
| 2. Proper methods for analysis used | <u>yes</u> | no | not applicable |
| 3. All documentation supplied | <u>yes</u> | no | not applicable |
| 4. Samples analyzed within specified holding times | yes | <u>no</u> | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | <u>yes</u> | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %RSD, initial calibration | <u>yes</u> | no | not applicable |
| - %D, continuing calibration | <u>yes</u> | no | not applicable |
| - %Recovery, matrix spike | <u>yes</u> | no | not applicable |
| - %Recovery, blank spike | <u>yes</u> | no | not applicable |
| - %Recovery, surrogate | <u>yes</u> | no | not applicable |
| - %Recovery, control sample | yes | no | <u>not applicable</u> |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | <u>yes</u> | no | not applicable |
| - RPD, field duplicate | yes | no | <u>not applicable</u> |
| 8. Target analyte concentrations below reporting limit in all blank samples | <u>yes</u> | no | not applicable |

Notes:

Samples SB-4A(4-6), SB-4B(10-12), SB-5A(0-2) and SB-5B(10-12) were extracted over the ASP-specified holding time. Since the samples were extracted within the technical holding time, no data have been qualified based on the deviation.

Other than for the deviation noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: InorganicsQuality Control Checks

- | | | | |
|---|-------|------|------------------|
| 1. Field Chain-of-Custody complete | (yes) | no | not applicable |
| 2. Proper methods for analysis used | (yes) | no | not applicable |
| 3. All documentation supplied | (yes) | no | not applicable |
| 4. Samples analyzed within specified holding times | (yes) | no | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | (yes) | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %R, initial calibration | (yes) | no | not applicable |
| - %R, continuing calibration | (yes) | no | not applicable |
| - %Recovery, matrix spike | (yes) | no | not applicable |
| - %Recovery, blank spike | yes | no | (not applicable) |
| - %Recovery, control sample | (yes) | no | not applicable |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, laboratory duplicate | yes | (no) | not applicable |
| - RPD, field duplicate | yes | no | (not applicable) |
| 8. Target analyte concentrations below reporting limit in all blank samples | yes | (no) | not applicable |

Notes: _____

The laboratory duplicate results were outside control limits for aluminum. Since the deviation was minor, no data have been qualified based on the results.

The CRDL standard recoveries were outside control limits for mercury, thallium and lead. Based on the recoveries, data for mercury in samples SB-5A(0-2) and SB-12A(4-6) and data for lead in samples SB-5B(10-12), SB-10B(12-14) and FB113099 have been qualified as estimated. No thallium data fell in the affected range.

Thallium was detected in the preparation blank and calcium was detected in one

of the field blanks. Based on the blanks content, data for calcium in samples SB-5B(10-12) and SB-10B(12-14) should be considered suspect.

Other than for the deviations noted in this review, all data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Sample Analysis: TOCQuality Control Checks

- | | | | |
|---|--------------------------------------|-------------------------------------|---|
| 1. Field Chain-of-Custody complete | <input checked="" type="radio"/> yes | no | not applicable |
| 2. Proper methods for analysis used | <input checked="" type="radio"/> yes | no | not applicable |
| 3. All documentation supplied | yes | <input checked="" type="radio"/> no | not applicable |
| 4. Samples analyzed within specified holding times | <input checked="" type="radio"/> yes | no | not applicable |
| 5. The minimum number of field and laboratory QC samples analyzed | <input checked="" type="radio"/> yes | no | not applicable |
| 6. Laboratory accuracy maintained within established ranges for the following: | | | |
| - %R, initial calibration | <input checked="" type="radio"/> yes | no | not applicable |
| - %R, continuing calibration | <input checked="" type="radio"/> yes | no | not applicable |
| - %Recovery, matrix spike | <input checked="" type="radio"/> yes | no | not applicable |
| - %Recovery, blank spike | yes | no | <input checked="" type="radio"/> not applicable |
| - %Recovery, control sample | <input checked="" type="radio"/> yes | no | not applicable |
| 7. Laboratory precision maintained within established ranges for the following: | | | |
| - RPD, matrix spike | <input checked="" type="radio"/> yes | no | not applicable |
| - RPD, field duplicate | yes | no | <input checked="" type="radio"/> not applicable |
| 8. Target analyte concentrations below reporting limit in all blank samples | <input checked="" type="radio"/> yes | no | not applicable |

Notes: _____

Raw data for included for samples FB113099, SB-11A(10-12) and SB-11B(12-14) only. All other data have been evaluated based on summarized QC results.

All reported data quality parameters were within method specifications and the data is considered acceptable for use as reported by the laboratory.

Reviewed and Approved:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke, positioned above a solid horizontal line.

Quality Assurance Manager

Project Manager

SAMPLE COMPLIANCE REPORT

Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Sample Delivery Group | Sampling Date | ASP Protocol | Sample ID | Matrix | Compliance ¹ | | | | | Noncompliance |
|-----------------------|---------------|--------------|----------------|--------|-------------------------|-----|-----|------|-----|--|
| | | | | | VOA | BNA | PCB | PEST | TAL | |
| V7271 | 11/30/99 | 1995 | SB-4A (4-6) | soil | yes | yes | no | -- | no | PCB - ht ³ TAL - dup ³ |
| V7271 | 11/30/99 | 1995 | SB-4B (10-12) | soil | yes | yes | no | -- | no | PCB - ht ³ TAL - dup ³ |
| V7271 | 11/30/99 | 1995 | FB113099 | water | yes | yes | yes | -- | no | TAL - crdl |
| V7271 | 12/1/99 | 1995 | SB-5A (0-2) | soil | no | yes | no | no | no | VOA - blank ² PEST - ht ³ , rpd PCB - ht ³ TAL - dup ³ , crdl |
| V7271 | 12/1/99 | 1995 | SB-5B (10-12) | soil | yes | yes | no | -- | no | PCB - ht ³ TAL - dup ³ , crdl |
| V7271 | 12/2/99 | 1995 | SB-10A (8-10) | soil | yes | no | yes | -- | no | BNA - ht, is, surr, blank ² TAL - dup ³ |
| V7271 | 12/2/99 | 1995 | SB-10B (12-14) | soil | yes | yes | yes | -- | no | TAL - dup ³ , crdl |
| V7271 | 12/3/99 | 1995 | SB-12A (4-6) | soil | yes | yes | yes | -- | no | TAL - dup ³ , crdl |
| V7271 | 12/3/99 | 1995 | SB-12B (12-14) | soil | yes | yes | yes | -- | no | TAL - dup ³ |
| V7271 | 12/7/99 | 1995 | SB-11A (10-12) | soil | yes | no | yes | -- | no | BNA - surr ³ TAL - dup ³ |
| V7271 | 12/7/99 | 1995 | SB-11B (12-14) | soil | yes | yes | yes | -- | no | TAL - dup ³ |
| V7271 | 12/8/99 | 1995 | FB120899 | water | yes | yes | yes | -- | yes | |

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 Although the deviation resulted in the qualification of data, the laboratory was method compliant.
- 3 The noncompliance resulted in no qualification of data.

Corrected Laboratory Report Sheets

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-4A_4-6

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271
 Matrix: (soil/water) SOIL Lab Sample ID: 172189
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: J9112
 Level: (low/med) LOW Date Received: 12/02/99
 % Moisture: not dec. 3 Date Analyzed: 12/07/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|------------|---------------------------------|---|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 1 | J |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-4B_10-12

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7271

Matrix: (soil/water) SOIL

Lab Sample ID: 172190

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: J9113

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 9

Date Analyzed: 12/07/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-5B_10-12

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: 172197

Sample wt/vol: 5.0 (g/mL) G Lab File ID: J9139

Level: (low/med) LOW Date Received: 12/02/99

% Moisture: not dec. 5 Date Analyzed: 12/08/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|------------|---------------------------------|---|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 2 | J |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylenes (Total) | 10 | U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-5B_10-12

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7271

Matrix: (soil/water) SOIL

Lab Sample ID: 172197

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: J9139

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 5

Date Analyzed: 12/08/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-10A_8-10

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271
 Matrix: (soil/water) SOIL Lab Sample ID: 172707
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: J9144
 Level: (low/med) LOW Date Received: 12/03/99
 % Moisture: not dec. 6 Date Analyzed: 12/08/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | | Q |
|------------|----------------------------|---|---|---|
| 74-87-3 | Chloromethane | 52 | U | |
| 74-83-9 | Bromomethane | 52 | U | |
| 75-01-4 | Vinyl Chloride | 52 | U | |
| 75-00-3 | Chloroethane | 52 | U | |
| 75-09-2 | Methylene Chloride | 52 | U | |
| 67-64-1 | Acetone | 52 | U | |
| 75-15-0 | Carbon Disulfide | 52 | U | |
| 75-35-4 | 1,1-Dichloroethene | 52 | U | |
| 75-34-3 | 1,1-Dichloroethane | 52 | U | |
| 540-59-0 | 1,2-Dichloroethene (total) | 52 | U | |
| 67-66-3 | Chloroform | 52 | U | |
| 107-06-2 | 1,2-Dichloroethane | 52 | U | |
| 78-93-3 | 2-Butanone | 52 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 52 | U | |
| 56-23-5 | Carbon Tetrachloride | 52 | U | |
| 75-27-4 | Bromodichloromethane | 52 | U | |
| 78-87-5 | 1,2-Dichloropropane | 52 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 52 | U | |
| 79-01-6 | Trichloroethene | 52 | U | |
| 124-48-1 | Dibromochloromethane | 52 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 52 | U | |
| 71-43-2 | Benzene | 52 | U | |
| 10061-02-6 | trans-1,3-Dichloropropene | 52 | U | |
| 75-25-2 | Bromoform | 52 | U | |
| 108-10-1 | 4-Methyl-2-Pentanone | 52 | U | |
| 591-78-6 | 2-Hexanone | 52 | U | |
| 127-18-4 | Tetrachloroethene | 180 | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 52 | U | |
| 108-88-3 | Toluene | 52 | U | |
| 108-90-7 | Chlorobenzene | 52 | U | |
| 100-41-4 | Ethylbenzene | 52 | U | |
| 100-42-5 | Styrene | 52 | U | |
| 1330-20-7 | Xylenes (Total) | 52 | U | |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-10A_8-10

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7271

Matrix: (soil/water) SOIL

Lab Sample ID: 172707

Sample wt/vol: 1.0 (g/mL) g

Lab File ID: J9144

Level: (low/med) LOW

Date Received: 12/03/99

% Moisture: not dec. 6

Date Analyzed: 12/08/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-10B_12-14

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271
 Matrix: (soil/water) SOIL Lab Sample ID: 172708
 Sample wt/vol: 4.6 (g/mL) G Lab File ID: J9156
 Level: (low/med) LOW Date Received: 12/03/99
 % Moisture: not dec. 16 Date Analyzed: 12/09/99
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NO. | COMPOUND | Q |
|------------|----------------------------|------|
| 74-87-3 | Chloromethane | 13 U |
| 74-83-9 | Bromomethane | 13 U |
| 75-01-4 | Vinyl Chloride | 13 U |
| 75-00-3 | Chloroethane | 13 U |
| 75-09-2 | Methylene Chloride | 13 U |
| 67-64-1 | Acetone | 13 U |
| 75-15-0 | Carbon Disulfide | 13 U |
| 75-35-4 | 1,1-Dichloroethene | 13 U |
| 75-34-3 | 1,1-Dichloroethane | 13 U |
| 540-59-0 | 1,2-Dichloroethene (total) | 13 U |
| 67-66-3 | Chloroform | 13 U |
| 107-06-2 | 1,2-Dichloroethane | 13 U |
| 78-93-3 | 2-Butanone | 13 U |
| 71-55-6 | 1,1,1-Trichloroethane | 13 U |
| 56-23-5 | Carbon Tetrachloride | 13 U |
| 75-27-4 | Bromodichloromethane | 13 U |
| 78-87-5 | 1,2-Dichloropropane | 13 U |
| 10061-01-5 | cis-1,3-Dichloropropene | 13 U |
| 79-01-6 | Trichloroethene | 13 U |
| 124-48-1 | Dibromochloromethane | 13 U |
| 79-00-5 | 1,1,2-Trichloroethane | 13 U |
| 71-43-2 | Benzene | 13 U |
| 10061-02-6 | trans-1,3-Dichloropropene | 13 U |
| 75-25-2 | Bromoform | 13 U |
| 108-10-1 | 4-Methyl-2-Pentanone | 13 U |
| 591-78-6 | 2-Hexanone | 13 U |
| 127-18-4 | Tetrachloroethene | 42 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 13 U |
| 108-88-3 | Toluene | 13 U |
| 108-90-7 | Chlorobenzene | 13 U |
| 100-41-4 | Ethylbenzene | 13 U |
| 100-42-5 | Styrene | 13 U |
| 1330-20-7 | Xylenes (Total) | 13 U |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-12A_4-6

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7271

Matrix: (soil/water) SOIL

Lab Sample ID: 172713

Sample wt/vol: 1.0 (g/mL) g

Lab File ID: J9145

Level: (low/med) LOW

Date Received: 12/03/99

% Moisture: not dec. 7

Date Analyzed: 12/08/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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| 30. | | | | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

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|--------------|
| SB-12B_12-14 |
|--------------|

| | |
|---------------------------------|---------------------------------|
| Lab Name: STL Envirotech | Contract: N/A |
| Lab Code: N/A | Case No.: N/A |
| | -SAS No.: N/A |
| | SDG No.: V7271 |
| Matrix: (soil/water) SOIL | Lab Sample ID: 172714 |
| Sample wt/vol: 4.7 (g/mL) G | Lab File ID: J9142 |
| Level: (low/med) LOW | Date Received: 12/03/99 |
| % Moisture: not dec. 8 | Date Analyzed: 12/08/99 |
| GC Column: DB624 | ID: 0.53 (mm) |
| | Dilution Factor: 1.0 |
| Soil Extract Volume: _____ (mL) | Soil Aliquot Volume: _____ (uL) |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|------------|----------------------------|---|---|
| 74-87-3 | Chloromethane | 12 | U |
| 74-83-9 | Bromomethane | 12 | U |
| 75-01-4 | Vinyl Chloride | 12 | U |
| 75-00-3 | Chloroethane | 12 | U |
| 75-09-2 | Methylene Chloride | 12 | U |
| 67-64-1 | Acetone | 12 | U |
| 75-15-0 | Carbon Disulfide | 12 | U |
| 75-35-4 | 1,1-Dichloroethene | 12 | U |
| 75-34-3 | 1,1-Dichloroethane | 12 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 12 | U |
| 67-66-3 | Chloroform | 12 | U |
| 107-06-2 | 1,2-Dichloroethane | 12 | U |
| 78-93-3 | 2-Butanone | 12 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 12 | U |
| 56-23-5 | Carbon Tetrachloride | 12 | U |
| 75-27-4 | Bromodichloromethane | 12 | U |
| 78-87-5 | 1,2-Dichloropropane | 12 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 12 | U |
| 79-01-6 | Trichloroethene | 2 | J |
| 124-48-1 | Dibromochloromethane | 12 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 12 | U |
| 71-43-2 | Benzene | 12 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 12 | U |
| 75-25-2 | Bromoform | 12 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 12 | U |
| 591-78-6 | 2-Hexanone | 12 | U |
| 127-18-4 | Tetrachloroethene | 110 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 12 | U |
| 108-88-3 | Toluene | 12 | U |
| 108-90-7 | Chlorobenzene | 12 | U |
| 100-41-4 | Ethylbenzene | 12 | U |
| 100-42-5 | Styrene | 12 | U |
| 1330-20-7 | Xylenes (Total) | 12 | U |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

| |
|--------------|
| SB-11A_10-12 |
|--------------|

| | |
|---------------------------------|---------------------------------|
| Lab Name: STL Envirotech | Contract: N/A |
| Lab Code: N/A | Case No.: N/A |
| | SAS No.: N/A |
| | SDG No.: V7271 |
| Matrix: (soil/water) SOIL | Lab Sample ID: 173289 |
| Sample wt/vol: 1.1 (g/mL) G | Lab File ID: J9163 |
| Level: (low/med) LOW | Date Received: 12/08/99 |
| % Moisture: not dec. 5 | Date Analyzed: 12/10/99 |
| GC Column: DB624 | ID: 0.53 (mm) |
| | Dilution Factor: 1.0 |
| Soil Extract Volume: _____ (mL) | Soil Aliquot Volume: _____ (uL) |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|------------|---------------------------------|---|-------|
| 74-87-3 | -----Chloromethane | 50 | U |
| 74-83-9 | -----Bromomethane | 50 | U |
| 75-01-4 | -----Vinyl Chloride | 50 | U |
| 75-00-3 | -----Chloroethane | 50 | U |
| 75-09-2 | -----Methylene Chloride | 50 | U |
| 67-64-1 | -----Acetone | 50 | U |
| 75-15-0 | -----Carbon Disulfide | 50 | U |
| 75-35-4 | -----1,1-Dichloroethene | 50 | U |
| 75-34-3 | -----1,1-Dichloroethane | 50 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 50 | U |
| 67-66-3 | -----Chloroform | 50 | U |
| 107-06-2 | -----1,2-Dichloroethane | 50 | U |
| 78-93-3 | -----2-Butanone | 50 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 50 | U |
| 56-23-5 | -----Carbon Tetrachloride | 50 | U |
| 75-27-4 | -----Bromodichloromethane | 50 | U |
| 78-87-5 | -----1,2-Dichloropropane | 50 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 50 | U |
| 79-01-6 | -----Trichloroethene | 50 | U |
| 124-48-1 | -----Dibromochloromethane | 50 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 50 | U |
| 71-43-2 | -----Benzene | 50 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 50 | U |
| 75-25-2 | -----Bromoform | 50 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 50 | U |
| 591-78-6 | -----2-Hexanone | 50 | U |
| 127-18-4 | -----Tetrachloroethene | 20 | J |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 50 | U |
| 108-88-3 | -----Toluene | 6 | J |
| 108-90-7 | -----Chlorobenzene | 50 | U |
| 100-41-4 | -----Ethylbenzene | 50 | U |
| 100-42-5 | -----Styrene | 50 | U |
| 1330-20-7 | -----Xylenes (Total) | 200 | _____ |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-11A_10-12

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7271

Matrix: (soil/water) SOIL

Lab Sample ID: 173289

Sample wt/vol: 1.1 (g/mL) g

Lab File ID: J9163

Level: (low/med) LOW

Date Received: 12/08/99

% Moisture: not dec. 5

Date Analyzed: 12/10/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|------------------------------|-------|------------|---|
| 1. | UNKNOWN ALKANE | 17.32 | 95 | J |
| 2. | C10H22 ALKANE | 17.53 | 120 | J |
| 3. | UNKNOWN HYDROCARBON | 18.07 | 170 | J |
| 4. | TRIMETHYLBENZENE ISOMER/UNKN | 18.21 | 180 | J |
| 5. | UNKNOWN | 18.31 | 96 | J |
| 6. | C11H24 ALKANE | 18.43 | 73 | J |
| 7. | ETHYLMETHYLBENZENE ISOMER | 18.52 | 210 | J |
| 8. | UNKNOWN | 18.72 | 86 | J |
| 9. | UNKNOWN | 18.91 | 140 | J |
| 10. | UNKNOWN | 19.03 | 72 | J |
| 11. | UNKNOWN | 19.48 | 220 | J |
| 12. | UNKNOWN | 19.70 | 360 | J |
| 13. | DECAHYDRONAPHTHALENE ISOMER | 19.80 | 150 | J |
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-11B_12-14

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7271

Matrix: (soil/water) SOIL

Lab Sample ID: 173290

Sample wt/vol: 4.1 (g/mL) g

Lab File ID: B0986

Level: (low/med) MED

Date Received: 12/08/99

% Moisture: not dec. 9

Date Analyzed: 12/15/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10000(uL)

Soil Aliquot Volume: 10(uL)

Number TICs found: 27

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|------------------------------|-------|------------|----|
| 1. 76-13-1 | ETHANE, 1,1,2-TRICHLORO-1,2, | 7.73 | 45000 | NJ |
| 2. | C6H14 ALKANE | 8.52 | 19000 | J |
| 3. 110-54-3 | HEXANE | 9.28 | 42000 | NJ |
| 4. | C6H12 CYCLOALKANE | 10.17 | 20000 | J |
| 5. | C7H16 ALKANE | 10.89 | 25000 | J |
| 6. | C7H16 ALKANE | 11.12 | 58000 | J |
| 7. | C7H16 ALKANE | 11.65 | 50000 | J |
| 8. | C7H14 CYCLOALKANE | 12.47 | 37000 | J |
| 9. | C9H20 ALKANE | 14.90 | 20000 | J |
| 10. | C10H22 ALKANE | 16.19 | 16000 | J |
| 11. | C10H22 ALKANE | 16.40 | 80000 | J |
| 12. | C10H22 ALKANE | 16.55 | 26000 | J |
| 13. | UNKNOWN | 16.98 | 120000 | J |
| 14. | C11H24 ALKANE | 17.26 | 44000 | J |
| 15. | ETHYLMETHYLBENZENE ISOMER | 17.33 | 42000 | J |
| 16. | TRIMETHYLBENZENE ISOMER | 17.50 | 120000 | J |
| 17. | C10H20 CYCLOALKANE/C11H24 AL | 17.76 | 100000 | J |
| 18. | C11H24 ALKANE | 17.89 | 16000 | J |
| 19. | TRIMETHYLBENZENE ISOMER | 18.01 | 28000 | J |
| 20. | C11H24 ALKANE/C10H14 AROMATI | 18.22 | 160000 | J |
| 21. | DECAHYDRONAPHTHALENE ISOMER | 18.48 | 28000 | J |
| 22. | ETHYLDIMETHYLBENZENE ISOMER | 18.62 | 28000 | J |
| 23. | METHYLMETHYLETHYLBENZENE ISO | 18.70 | 21000 | J |
| 24. | C12H26 ALKANE | 18.91 | 22000 | J |
| 25. | C10H14 AROMATIC/UNKNOWN | 19.11 | 16000 | J |
| 26. | C12H26 ALKANE | 19.44 | 48000 | J |
| 27. | C13H28 ALKANE/C11H16 AROMATI | 19.63 | 19000 | J |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FB120899

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7271

Matrix: (soil/water) WATER

Lab Sample ID: 173294

Sample wt/vol: 5.000 (g/mL) mL

Lab File ID: B0985

Level: (low/med) LOW

Date Received: 12/08/99

% Moisture: not dec. _____

Date Analyzed: 12/15/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-4A_4-6

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: 172189

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9587

Level: (low/med) LOW Date Received: 12/02/99

% Moisture: 3 decanted: (Y/N) N Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------|-------------------------------|---|---|
| 108-95-2 | Phenol | 5 | J |
| 111-44-4 | bis (2-Chloroethyl) Ether | 340 | U |
| 95-57-8 | 2-Chlorophenol | 340 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 340 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 340 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 340 | U |
| 95-48-7 | 2-Methylphenol | 340 | U |
| 108-60-1 | 2,2'-oxybis (1-Chloropropane) | 340 | U |
| 106-44-5 | 4-Methylphenol | 340 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 340 | U |
| 67-72-1 | Hexachloroethane | 340 | U |
| 98-95-3 | Nitrobenzene | 340 | U |
| 78-59-1 | Isophorone | 340 | U |
| 88-75-5 | 2-Nitrophenol | 340 | U |
| 105-67-9 | 2,4-Dimethylphenol | 340 | U |
| 111-91-1 | bis (2-Chloroethoxy) methane | 340 | U |
| 120-83-2 | 2,4-Dichlorophenol | 340 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 340 | U |
| 91-20-3 | Naphthalene | 340 | U |
| 106-47-8 | 4-Chloroaniline | 340 | U |
| 87-68-3 | Hexachlorobutadiene | 340 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 340 | U |
| 91-57-6 | 2-Methylnaphthalene | 340 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 340 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 340 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 820 | U |
| 91-58-7 | 2-Chloronaphthalene | 340 | U |
| 88-74-4 | 2-Nitroaniline | 820 | U |
| 131-11-3 | Dimethylphthalate | 340 | U |
| 208-96-8 | Acenaphthylene | 340 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 340 | U |
| 99-09-2 | 3-Nitroaniline | 820 | U |
| 83-32-9 | Acenaphthene | 340 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-4A_4-6

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271
 Matrix: (soil/water) SOIL Lab Sample ID: 172189
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9587
 Level: (low/med) LOW Date Received: 12/02/99
 % Moisture: 3 decanted: (Y/N) N Date Extracted: 12/06/99
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/20/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|-----------|----------------------------|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 820 | U |
| 100-02-7 | 4-Nitrophenol | 820 | U |
| 132-64-9 | Dibenzofuran | 340 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 340 | U |
| 84-66-2 | Diethylphthalate | 340 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 340 | U |
| 86-73-7 | Fluorene | 340 | U |
| 100-01-6 | 4-Nitroaniline | 820 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 820 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 340 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 340 | U |
| 118-74-1 | Hexachlorobenzene | 340 | U |
| 87-86-5 | Pentachlorophenol | 820 | U |
| 85-01-8 | Phenanthrene | 340 | U |
| 120-12-7 | Anthracene | 340 | U |
| 86-74-8 | Carbazole | 340 | U |
| 84-74-2 | Di-n-butylphthalate | 340 | U |
| 206-44-0 | Fluoranthene | 340 | U |
| 129-00-0 | Pyrene | 4 | J |
| 85-68-7 | Butylbenzylphthalate | 340 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 56-55-3 | Benzo(a)anthracene | 340 | U |
| 218-01-9 | Chrysene | 340 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 40 | J |
| 117-84-0 | Di-n-octylphthalate | 340 | U |
| 205-99-2 | Benzo(b)fluoranthene | 340 | U |
| 207-08-9 | Benzo(k)fluoranthene | 340 | U |
| 50-32-8 | Benzo(a)pyrene | 340 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 340 | U |
| 53-70-3 | Dibenz(a,h)anthracene | 340 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 340 | U |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-4A_4-6

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: 172189

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9587

Level: (low/med) LOW Date Received: 12/02/99

% Moisture: 3 decanted: (Y/N) N Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 20

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------|-------|------------|-----|
| 1. | UNKNOWN ALDOL CONDENSATE | 11.87 | 83 | AJ |
| 2. | UNKNOWN ALDOL CONDENSATE | 12.22 | 430 | AJB |
| 3. | UNKNOWN ALDOL CONDENSATE | 12.25 | 300 | AJB |
| 4. | UNKNOWN | 12.36 | 190 | J |
| 5. | UNKNOWN | 12.42 | 180 | JB |
| 6. | UNKNOWN | 12.48 | 130 | AJB |
| 7. | UNKNOWN ALDOL CONDENSATE | 12.54 | 74 | AJ |
| 8. | UNKNOWN | 12.57 | 320 | J |
| 9. | UNKNOWN | 13.87 | 87 | JB |
| 10. | UNKNOWN | 14.78 | 330 | JB |
| 11. | UNKNOWN | 23.69 | 370 | J |
| 12. | UNKNOWN ALKANE | 24.39 | 83 | J |
| 13. | UNKNOWN ALKANE | 24.95 | 69 | J |
| 14. | UNKNOWN ALKANE | 25.59 | 94 | J |
| 15. | UNKNOWN ALKANE | 26.33 | 120 | J |
| 16. | UNKNOWN ALKANE | 27.20 | 140 | J |
| 17. | UNKNOWN ALKANE | 28.25 | 130 | J |
| 18. | UNKNOWN ALKANE | 29.51 | 150 | J |
| 19. | UNKNOWN ALKANE | 31.04 | 140 | J |
| 20. | UNKNOWN ALKANE | 32.91 | 130 | J |
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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FB113099

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7271

Matrix: (soil/water) WATER

Lab Sample ID: 172193

Sample wt/vol: 950.0 (g/mL) mL

Lab File ID: M9624

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/03/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

Number TICs found: 1

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-----------------------------|-------|------------|---|
| 1. | UNKNOWN BROMINATED COMPOUND | 20.33 | 2 | J |
| 2. | | | | |
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| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-5A_0-2

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: 172196

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9589

Level: (low/med) LOW Date Received: 12/02/99

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.6

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------|------------------------------|---|---|
| 108-95-2 | Phenol | 120 | J |
| 111-44-4 | bis(2-Chloroethyl) Ether | 360 | U |
| 95-57-8 | 2-Chlorophenol | 360 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 360 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 360 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 6 | J |
| 95-48-7 | 2-Methylphenol | 360 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 106-44-5 | 4-Methylphenol | 360 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 360 | U |
| 67-72-1 | Hexachloroethane | 360 | U |
| 98-95-3 | Nitrobenzene | 360 | U |
| 78-59-1 | Isophorone | 360 | U |
| 88-75-5 | 2-Nitrophenol | 360 | U |
| 105-67-9 | 2,4-Dimethylphenol | 7 | J |
| 111-91-1 | bis(2-Chloroethoxy)methane | 360 | U |
| 120-83-2 | 2,4-Dichlorophenol | 360 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 360 | U |
| 91-20-3 | Naphthalene | 360 | U |
| 106-47-8 | 4-Chloroaniline | 360 | U |
| 87-68-3 | Hexachlorobutadiene | 360 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 360 | U |
| 91-57-6 | 2-Methylnaphthalene | 360 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 860 | U |
| 91-58-7 | 2-Chloronaphthalene | 360 | U |
| 88-74-4 | 2-Nitroaniline | 860 | U |
| 131-11-3 | Dimethylphthalate | 360 | U |
| 208-96-8 | Acenaphthylene | 360 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 360 | U |
| 99-09-2 | 3-Nitroaniline | 860 | U |
| 83-32-9 | Acenaphthene | 360 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-5A_0-2

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: 172196

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9589

Level: (low/med) LOW Date Received: 12/02/99

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.6

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------------|----------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 860 | U |
| 100-02-7----- | 4-Nitrophenol | 860 | U |
| 132-64-9----- | Dibenzofuran | 360 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 360 | U |
| 84-66-2----- | Diethylphthalate | 360 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 360 | U |
| 86-73-7----- | Fluorene | 360 | U |
| 100-01-6----- | 4-Nitroaniline | 860 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 860 | U |
| 86-30-6----- | N-nitrosodiphenylamine (1) | 360 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1----- | Hexachlorobenzene | 360 | U |
| 87-86-5----- | Pentachlorophenol | 860 | U |
| 85-01-8----- | Phenanthrene | 360 | U |
| 120-12-7----- | Anthracene | 360 | U |
| 86-74-8----- | Carbazole | 360 | U |
| 84-74-2----- | Di-n-butylphthalate | 360 | U |
| 206-44-0----- | Fluoranthene | 5 | J |
| 129-00-0----- | Pyrene | 12 | J |
| 85-68-7----- | Butylbenzylphthalate | 360 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 360 | U |
| 56-55-3----- | Benzo(a)anthracene | 360 | U |
| 218-01-9----- | Chrysene | 360 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 110 | J |
| 117-84-0----- | Di-n-octylphthalate | 360 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 17 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 6 | J |
| 50-32-8----- | Benzo(a)pyrene | 360 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 11 | J |
| 53-70-3----- | Dibenz(a,h)anthracene | 360 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 19 | J |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-5A_0-2

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271
 Matrix: (soil/water) SOIL Lab Sample ID: 172196
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9589
 Level: (low/med) LOW Date Received: 12/02/99
 % Moisture: 7 decanted: (Y/N) N Date Extracted: 12/06/99
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/20/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 11.6

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-------------------------------------|------------------|-----------------|----------------|
| 1. | UNKNOWN ALDOL CONDENSATE | 11.93 | 300 | AJ |
| 2. | UNKNOWN ALDOL CONDENSATE | 12.30 | 870 | AJB |
| 3. | UNKNOWN | 12.52 | 140 | JB |
| 4. | UNKNOWN | 13.91 | 96 | JB |
| 5. | UNKNOWN | 14.26 | 190 | J |
| 6. | UNKNOWN | 14.82 | 2300 | JB |
| 7. | UNKNOWN ALKANE | 19.28 | 86 | J |
| 8. | UNKNOWN ALKANE | 23.85 | 100 | J |
| 9. | UNKNOWN | 24.10 | 220 | J |
| 10. | UNKNOWN | 24.37 | 95 | J |
| 11. | UNKNOWN | 24.39 | 78 | J |
| 12. | UNKNOWN | 24.43 | 110 | J |
| 13. | UNKNOWN | 25.66 | 130 | J |
| 14. | UNKNOWN | 26.32 | 2400 | J |
| 15. | UNKNOWN | 27.63 | 95 | J |
| 16. | UNKNOWN | 27.84 | 100 | J |
| 17. | UNKNOWN | 28.29 | 130 | J |
| 18. | UNKNOWN | 29.81 | 180 | J |
| 19. | UNKNOWN | 31.01 | 260 | J |
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB-5B_10-12

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7271

Matrix: (soil/water) SOIL

Lab Sample ID: 172197

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: M9590

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 5 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NO. | COMPOUND | ug/Kg | Q |
|----------|------------------------------|-------|---|
| 108-95-2 | Phenol | 350 | U |
| 111-44-4 | bis(2-Chloroethyl) Ether | 350 | U |
| 95-57-8 | 2-Chlorophenol | 350 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 350 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 350 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 350 | U |
| 95-48-7 | 2-Methylphenol | 350 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 106-44-5 | 4-Methylphenol | 350 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 350 | U |
| 67-72-1 | Hexachloroethane | 350 | U |
| 98-95-3 | Nitrobenzene | 350 | U |
| 78-59-1 | Isophorone | 350 | U |
| 88-75-5 | 2-Nitrophenol | 350 | U |
| 105-67-9 | 2,4-Dimethylphenol | 350 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 350 | U |
| 120-83-2 | 2,4-Dichlorophenol | 350 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 350 | U |
| 91-20-3 | Naphthalene | 350 | U |
| 106-47-8 | 4-Chloroaniline | 350 | U |
| 87-68-3 | Hexachlorobutadiene | 350 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 350 | U |
| 91-57-6 | 2-Methylnaphthalene | 350 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 840 | U |
| 91-58-7 | 2-Chloronaphthalene | 350 | U |
| 88-74-4 | 2-Nitroaniline | 840 | U |
| 131-11-3 | Dimethylphthalate | 350 | U |
| 208-96-8 | Acenaphthylene | 350 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 350 | U |
| 99-09-2 | 3-Nitroaniline | 840 | U |
| 83-32-9 | Acenaphthene | 350 | U |

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-5B_10-12

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: 172197

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9590

Level: (low/med) LOW Date Received: 12/02/99

% Moisture: 5 decanted: (Y/N) N Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7

Number TICs found: 6 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------|-------|------------|-----|
| 1. | UNKNOWN-ALDOL-CONDENSATE | 12.22 | 300 | AJB |
| 2. | UNKNOWN-ALDOL-CONDENSATE | 12.24 | 410 | AJB |
| 3. | UNKNOWN | 12.47 | 120 | JB |
| 4. | UNKNOWN | 13.89 | 140 | JB |
| 5. | UNKNOWN | 14.79 | 300 | JB |
| 6. | UNKNOWN | 26.29 | 1300 | J |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-10A_8-10

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271
 Matrix: (soil/water) SOIL Lab Sample ID: 172707
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9596
 Level: (low/med) LOW Date Received: 12/03/99
 % Moisture: 6 decanted: (Y/N) N Date Extracted: 12/06/99
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/20/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.8

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|-----------|----------------------------|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 850 | U |
| 100-02-7 | 4-Nitrophenol | 850 | U |
| 132-64-9 | Dibenzofuran | 350 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 350 | U |
| 84-66-2 | Diethylphthalate | 350 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7 | Fluorene | 350 | U |
| 100-01-6 | 4-Nitroaniline | 850 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 850 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 350 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1 | Hexachlorobenzene | 350 | U |
| 87-86-5 | Pentachlorophenol | 850 | U |
| 85-01-8 | Phenanthrene | 350 | U |
| 120-12-7 | Anthracene | 350 | U |
| 86-74-8 | Carbazole | 350 | U |
| 84-74-2 | Di-n-butylphthalate | 350 | U |
| 206-44-0 | Fluoranthene | 350 | U |
| 129-00-0 | Pyrene | 4 | J |
| 85-68-7 | Butylbenzylphthalate | 350 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 56-55-3 | Benzo(a)anthracene | 350 | U |
| 218-01-9 | Chrysene | 350 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 37 | J |
| 117-84-0 | Di-n-octylphthalate | 350 | U |
| 205-99-2 | Benzo(b)fluoranthene | 7 | J |
| 207-08-9 | Benzo(k)fluoranthene | 4 | J |
| 50-32-8 | Benzo(a)pyrene | 4 | J |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 5 | J |
| 53-70-3 | Dibenz(a,h)anthracene | 350 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 8 | J |

(1) Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-10A_8-10RE

| | |
|---------------------------------------|--------------------------|
| Lab Name: STL Envirotech | Contract: N/A |
| Lab Code: N/A | Case No.: N/A |
| Matrix: (soil/water) SOIL | SAS No.: N/A |
| Sample wt/vol: 30.0 (g/mL) G | SDG No.: V7271 |
| Level: (low/med) LOW | Lab Sample ID: 172707RE |
| % Moisture: 6 | Lab File ID: M9711 |
| Concentrated Extract Volume: 500 (uL) | Date Received: 12/03/99 |
| Injection Volume: 2.0 (uL) | Date Extracted: 12/23/99 |
| GPC Cleanup: (Y/N) Y | Date Analyzed: 01/05/00 |
| | Dilution Factor: 1.0 |
| | pH: 7.8 |

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------|------------------------------|---|---|
| 108-95-2 | Phenol | 350 | U |
| 111-44-4 | bis(2-Chloroethyl) Ether | 350 | U |
| 95-57-8 | 2-Chlorophenol | 350 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 350 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 350 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 350 | U |
| 95-48-7 | 2-Methylphenol | 350 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 106-44-5 | 4-Methylphenol | 350 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 350 | U |
| 67-72-1 | Hexachloroethane | 350 | U |
| 98-95-3 | Nitrobenzene | 350 | U |
| 78-59-1 | Isophorone | 350 | U |
| 88-75-5 | 2-Nitrophenol | 350 | U |
| 105-67-9 | 2,4-Dimethylphenol | 350 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 350 | U |
| 120-83-2 | 2,4-Dichlorophenol | 350 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 350 | U |
| 91-20-3 | Naphthalene | 350 | U |
| 106-47-8 | 4-Chloroaniline | 350 | U |
| 87-68-3 | Hexachlorobutadiene | 350 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 350 | U |
| 91-57-6 | 2-Methylnaphthalene | 350 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 850 | U |
| 91-58-7 | 2-Chloronaphthalene | 350 | U |
| 88-74-4 | 2-Nitroaniline | 850 | U |
| 131-11-3 | Dimethylphthalate | 350 | U |
| 208-96-8 | Acenaphthylene | 350 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 350 | U |
| 99-09-2 | 3-Nitroaniline | 850 | U |
| 83-32-9 | Acenaphthene | 350 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-10A_8-10RE

Lab Name: STL Envirotech Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271
 Matrix: (soil/water) SOIL Lab Sample ID: 172707RE
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9711
 Level: (low/med) LOW Date Received: 12/03/99
 % Moisture: 6 decanted: (Y/N) N Date Extracted: 12/23/99
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/00
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.8

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|-----------|----------------------------|---|---|
| 51-28-5 | 2,4-Dinitrophenol | 850 | U |
| 100-02-7 | 4-Nitrophenol | 850 | U |
| 132-64-9 | Dibenzofuran | 350 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 350 | U |
| 84-66-2 | Diethylphthalate | 350 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7 | Fluorene | 350 | U |
| 100-01-6 | 4-Nitroaniline | 850 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 850 | U |
| 86-30-6 | N-nitrosodiphenylamine (1) | 350 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1 | Hexachlorobenzene | 350 | U |
| 87-86-5 | Pentachlorophenol | 850 | U |
| 85-01-8 | Phenanthrene | 350 | U |
| 120-12-7 | Anthracene | 350 | U |
| 86-74-8 | Carbazole | 350 | U |
| 84-74-2 | Di-n-butylphthalate | 350 | U |
| 206-44-0 | Fluoranthene | 350 | U |
| 129-00-0 | Pyrene | 350 | U |
| 85-68-7 | Butylbenzylphthalate | 350 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 56-55-3 | Benzo (a) anthracene | 350 | U |
| 218-01-9 | Chrysene | 350 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 350 | U |
| 117-84-0 | Di-n-octylphthalate | 350 | U |
| 205-99-2 | Benzo (b) fluoranthene | 9 | J |
| 207-08-9 | Benzo (k) fluoranthene | 4 | J |
| 50-32-8 | Benzo (a) pyrene | 4 | J |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 6 | J |
| 53-70-3 | Dibenz (a,h) anthracene | 350 | U |
| 191-24-2 | Benzo (g,h,i) perylene | 8 | J |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-10A_8-10RE

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: 172707RE

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9711

Level: (low/med) LOW Date Received: 12/03/99

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/23/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-------------------------------------|------------------|-----------------|----------------|
| 1. | UNKNOWN ALDOL CONDENSATE | 12.63 | 550 | AJB |
| 2. | UNKNOWN | 12.85 | 110 | JB |
| 3. | UNKNOWN ORGANIC ACID | 14.21 | 120 | JB |
| 4. | UNKNOWN | 15.15 | 240 | JB |
| 5. | UNKNOWN | 18.85 | 240 | J |
| 6. | UNKNOWN | 24.79 | 180 | J |
| 7. | UNKNOWN | 26.16 | 95 | J |
| 8. | UNKNOWN AMIDE | 26.94 | 1400 | JB |
| 9. | UNKNOWN | 28.06 | 350 | J |
| 10. | UNKNOWN | 30.62 | 83 | J |
| 11. | UNKNOWN | 32.30 | 87 | J |
| 12. | UNKNOWN STEROL | 33.57 | 250 | J |
| 13. | UNKNOWN | 35.11 | 140 | J |
| 14. | UNKNOWN STEROL | 35.48 | 370 | J |
| 15. | UNKNOWN | 36.51 | 97 | J |
| 16. | UNKNOWN | 36.71 | 220 | J |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
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| 29. | | | | |
| 30. | | | | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

| |
|--------------|
| SB-10B_12-14 |
|--------------|

| | |
|---------------------------------------|--------------------------|
| Lab Name: STL Envirotech | Contract: N/A |
| Lab Code: N/A | Case No.: N/A |
| | SAS No.: N/A |
| | SDG No.: V7271 |
| Matrix: (soil/water) SOIL | Lab Sample ID: 172708 |
| Sample wt/vol: 30.0 (g/mL) G | Lab File ID: M9582 |
| Level: (low/med) LOW | Date Received: 12/03/99 |
| % Moisture: 16 | decanted: (Y/N) N |
| | Date Extracted: 12/06/99 |
| Concentrated Extract Volume: 500 (uL) | Date Analyzed: 12/19/99 |
| Injection Volume: 2.0 (uL) | Dilution Factor: 1.0 |
| GPC Cleanup: (Y/N) Y | pH: 7.2 |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|-----|---|
| 108-95-2----- | Phenol | 390 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 390 | U |
| 95-57-8----- | 2-Chlorophenol | 390 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 390 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 390 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 390 | U |
| 95-48-7----- | 2-Methylphenol | 390 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 390 | U |
| 106-44-5----- | 4-Methylphenol | 390 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 390 | U |
| 67-72-1----- | Hexachloroethane | 390 | U |
| 98-95-3----- | Nitrobenzene | 390 | U |
| 78-59-1----- | Isophorone | 390 | U |
| 88-75-5----- | 2-Nitrophenol | 390 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 390 | U |
| 111-91-1----- | bis(2-Chloroethoxy)methane | 390 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 390 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 390 | U |
| 91-20-3----- | Naphthalene | 390 | U |
| 106-47-8----- | 4-Chloroaniline | 390 | U |
| 87-68-3----- | Hexachlorobutadiene | 390 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 390 | U |
| 91-57-6----- | 2-Methylnaphthalene | 390 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 390 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 390 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 950 | U |
| 91-58-7----- | 2-Chloronaphthalene | 390 | U |
| 88-74-4----- | 2-Nitroaniline | 950 | U |
| 131-11-3----- | Dimethylphthalate | 390 | U |
| 208-96-8----- | Acenaphthylene | 390 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 390 | U |
| 99-09-2----- | 3-Nitroaniline | 950 | U |
| 83-32-9----- | Acenaphthene | 390 | U |

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-10B_12-14

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: 172708

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9582

Level: (low/med) LOW Date Received: 12/03/99

% Moisture: 16 decanted: (Y/N) N Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/19/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------|-------|------------|-----|
| 1. | UNKNOWN ALDOL CONDENSATE | 12.24 | 770 | AJB |
| 2. | UNKNOWN | 12.47 | 130 | JB |
| 3. | UNKNOWN | 13.87 | 96 | JB |
| 4. | UNKNOWN | 14.78 | 350 | JB |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
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| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-12A_4-6

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: 172713

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9585

Level: (low/med) LOW Date Received: 12/03/99

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/19/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs found: 23

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------|-------|------------|-----|
| 1. | UNKNOWN ALDOL CONDENSATE | 11.88 | 130 | AJ |
| 2. | UNKNOWN ALDOL CONDENSATE | 12.25 | 680 | AJB |
| 3. | UNKNOWN | 12.47 | 120 | JB |
| 4. | UNKNOWN | 13.88 | 95 | JB |
| 5. | UNKNOWN | 14.79 | 840 | JB |
| 6. | UNKNOWN ALKANE | 16.79 | 86 | J |
| 7. | UNKNOWN ALKANE | 17.67 | 75 | J |
| 8. | UNKNOWN | 18.86 | 94 | J |
| 9. | UNKNOWN | 19.31 | 120 | J |
| 10. | UNKNOWN | 20.08 | 78 | J |
| 11. | UNKNOWN | 20.82 | 74 | J |
| 12. | C15H12 PAH/UNKNOWN | 21.13 | 88 | J |
| 13. | UNKNOWN | 21.27 | 210 | J |
| 14. | UNKNOWN | 21.56 | 110 | J |
| 15. | UNKNOWN | 22.07 | 96 | J |
| 16. | UNKNOWN | 22.11 | 74 | J |
| 17. | UNKNOWN | 22.15 | 82 | J |
| 18. | UNKNOWN | 22.44 | 79 | J |
| 19. | UNKNOWN | 23.80 | 76 | J |
| 20. | UNKNOWN | 24.08 | 140 | J |
| 21. | UNKNOWN | 26.33 | 1400 | J |
| 22. | UNKNOWN | 29.83 | 250 | J |
| 23. | UNKNOWN | 31.01 | 83 | J |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-11A_10-12

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: .173289

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M9597

Level: (low/med) LOW Date Received: 12/08/99

% Moisture: 5 decanted: (Y/N) N Date Extracted: 12/10/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|----------------|----------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 1700 | U |
| 132-64-9----- | Dibenzofuran | 690 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 690 | U |
| 84-66-2----- | Diethylphthalate | 690 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 690 | U |
| 86-73-7----- | Fluorene | 690 | U |
| 100-01-6----- | 4-Nitroaniline | 1700 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 1700 | U |
| 86-30-6----- | N-nitrosodiphenylamine (1) | 690 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 690 | U |
| 118-74-1----- | Hexachlorobenzene | 690 | U |
| 87-86-5----- | Pentachlorophenol | 1700 | U |
| 85-01-8----- | Phenanthrene | 38 | J |
| 120-12-7----- | Anthracene | 10 | J |
| 86-74-8----- | Carbazole | 690 | U |
| 84-74-2----- | Di-n-butylphthalate | 690 | U |
| 206-44-0----- | Fluoranthene | 66 | J |
| 129-00-0----- | Pyrene | 50 | J |
| 85-68-7----- | Butylbenzylphthalate | 690 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 690 | U |
| 56-55-3----- | Benzo(a)anthracene | 37 | J |
| 218-01-9----- | Chrysene | 33 | J |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 550 | J |
| 117-84-0----- | Di-n-octylphthalate | 690 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 54 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 19 | J |
| 50-32-8----- | Benzo(a)pyrene | 30 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 22 | J |
| 53-70-3----- | Dibenz(a,h)anthracene | 690 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 31 | J |

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SB-11B_12-14

Lab Name: STL Envirotech Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: V7271

Matrix: (soil/water) SOIL Lab Sample ID: 173290

Sample wt/vol: 30.0 (g/mL) g Lab File ID: M9613

Level: (low/med) LOW Date Received: 12/08/99

% Moisture: 9 decanted: (Y/N) N Date Extracted: 12/10/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/21/99

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 30 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---------------|------------------------------|-------|------------|----|
| 1. | TRIMETHYLBENZENE ISOMER | 11.97 | 11000 | J |
| 2. | ETHYLMETHYLBENZENE ISOMER | 12.11 | 6800 | J |
| 3. | TRIMETHYLBENZENE ISOMER | 12.38 | 24000 | J |
| 4. | UNKNOWN ALKANE | 12.41 | 20000 | J |
| 5. | UNKNOWN ALKANE | 12.71 | 8600 | J |
| 6. | TRIMETHYLBENZENE ISOMER | 12.77 | 9200 | J |
| 7. | METHYLPROPYLBENZENE ISOMER | 13.15 | 10000 | J |
| 8. | COELUTING AROMATICS | 13.22 | 12000 | J |
| 9. | UNKNOWN ALKANE | 13.26 | 7300 | J |
| 10. | UNKNOWN ALKANE/UNKNOWN | 13.34 | 9800 | J |
| 11. | ETHYLDIMETHYLBENZENE ISOMER | 13.59 | 8100 | J |
| 12. | UNKNOWN ALKANE | 13.73 | 22000 | J |
| 13. | UNKNOWN | 13.78 | 1200 | J |
| 14. | TETRAMETHYLBENZENE ISOMER | 14.04 | 1500 | J |
| 15. | UNKNOWN CYCLOALKANE | 14.21 | 970 | J |
| 16. | UNKNOWN ALKANE | 14.44 | 1200 | J |
| 17. | UNKNOWN ALKANE | 14.85 | 3600 | J |
| 18. | UNKNOWN ALKANE | 14.97 | 1100 | J |
| 19. | UNKNOWN CYCLOALKANE | 15.34 | 1000 | J |
| 20. | UNKNOWN ALKANE | 15.57 | 2000 | J |
| 21. | UNKNOWN ALKANE | 15.87 | 3100 | J |
| 22. 90-12-0 | NAPHTHALENE, 1-METHYL- | 16.21 | 920 | NJ |
| 23. | UNKNOWN ALKANE | 16.57 | 4600 | J |
| 24. | UNKNOWN ALKANE | 16.81 | 14000 | J |
| 25. | DIMETHYLNAPHTHALENE ISOMER | 17.22 | 4900 | J |
| 26. | UNKNOWN | 17.33 | 7300 | J |
| 27. | UNKNOWN ALKANE | 17.69 | 8400 | J |
| 28. | UNKNOWN ALKANE | 18.51 | 4000 | J |
| 29. | UNKNOWN ALKANE | 19.29 | 6800 | J |
| 30. 1241-94-7 | PHOSPHORIC ACID, 2-ETHYLHEXY | 24.14 | 35000 | NJ |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB120899

Lab Name: STL Envirotech

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: V7271

Matrix: (soil/water) WATER

Lab Sample ID: 173294

Sample wt/vol: 970.0 (g/mL) ML

Lab File ID: M9625

Level: (low/med) LOW

Date Received: 12/08/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/10/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|----------|------------------------------|--|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl) Ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 26 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 26 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 26 | U |
| 83-32-9 | Acenaphthene | 10 | U |



Client ID: SB-4A_4-6
Site: HWD, Inc.

Lab Sample ID: 172189
Lab Job No: V727

Date Sampled: 11/30/99
Date Received: 12/02/99
Date Extracted: 12/07/99
Date Analyzed: 12/10/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC7.i
Front File ID: of014856.d
Rear File ID: or014856.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 3

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| Parameter | Analytical Results | Quantitation | |
|--------------|------------------------------|--------------|---------------------|
| | Units: ug/kg (Dry Weight) | Limit | Units: ug/kg Column |
| Aroclor-1016 | ND | 69 | R |
| Aroclor-1221 | ND | 69 | R |
| Aroclor-1232 | ND | 69 | R |
| Aroclor-1242 | ND | 69 | R |
| Aroclor-1248 | ND | 69 | R |
| Aroclor-1254 | ND | 69 | R |
| Aroclor-1260 | ND | 69 | R |
| Aroclor-1262 | ND | 69 | R |
| Aroclor-1268 | ND | 69 | R |



Client ID: SB-4B_10-12
Site: HWD, Inc.

Lab Sample ID: 172190
Lab Job No: V727

Date Sampled: 11/30/99
Date Received: 12/02/99
Date Extracted: 12/07/99
Date Analyzed: 12/10/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC7.i
Front File ID: of014857.d
Rear File ID: or014857.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 9

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | <u>Quantitation</u> | |
|------------------|--|---------------------|----------------------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | <u>Limit</u> | <u>Units: ug/kg Column</u> |
| Aroclor-1016 | ND | 74 | R |
| Aroclor-1221 | ND | 74 | R |
| Aroclor-1232 | ND | 74 | R |
| Aroclor-1242 | ND | 74 | R |
| Aroclor-1248 | ND | 74 | R |
| Aroclor-1254 | ND | 74 | R |
| Aroclor-1260 | ND | 74 | R |
| Aroclor-1262 | ND | 74 | R |
| Aroclor-1268 | ND | 74 | R |



Client ID: FB113099
Site: HWD, Inc.

Lab Sample ID: 172193
Lab Job No: V727

Date Sampled: 11/30/99
Date Received: 12/02/99
Date Extracted: 12/03/99
Date Analyzed: 12/04/99
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: nf011608.d
Rear File ID: nr011608.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.51 | R |
| Aroclor-1221 | ND | 0.51 | R |
| Aroclor-1232 | ND | 0.51 | R |
| Aroclor-1242 | ND | 0.51 | R |
| Aroclor-1248 | ND | 0.51 | R |
| Aroclor-1254 | ND | 0.51 | R |
| Aroclor-1260 | ND | 0.51 | R |
| Aroclor-1262 | ND | 0.51 | R |
| Aroclor-1268 | ND | 0.51 | R |



Client ID: SB-5A_0-2
 Site: HWD, Inc.

Lab Sample ID: 172196
 Lab Job No: V727

Date Sampled: 12/01/99
 Date Received: 12/02/99
 Date Extracted: 12/07/99
 Date Analyzed: 12/09/99
 GC Front Column: DB-5
 GC Rear Column: DB-608
 Instrument ID: PESTGC7.f
 Front File ID: of014812.d
 Rear File ID: or014812.d

Matrix: SOIL
 Level: LOW
 Sample Weight: 15 g
 Extract Final Volume: 10.0 ml
 Dilution Factor: 1.0
 % Moisture: 7

ORGANOCHLORINE PCBs - GC/ECD
 METHOD 8082

| Parameter | Analytical Results | Quantitation | |
|--------------|------------------------------|--------------|--------|
| | Units: ug/kg (Dry Weight) | Limit | Column |
| | | Units: ug/kg | |
| Aroclor-1016 | ND | 72 | R |
| Aroclor-1221 | ND | 72 | R |
| Aroclor-1232 | ND | 72 | R |
| Aroclor-1242 | ND | 72 | R |
| Aroclor-1248 | ND | 72 | R |
| Aroclor-1254 | ND | 72 | R |
| Aroclor-1260 | 400 | 72 | F |
| Aroclor-1262 | ND | 72 | R |
| Aroclor-1268 | ND | 72 | R |



Client ID: SB-5B_10-12
 Site: HWD, Inc.

Lab Sample ID: 172197
 Lab Job No: V727

Date Sampled: 12/01/99
 Date Received: 12/02/99
 Date Extracted: 12/07/99
 Date Analyzed: 12/10/99
 GC Front Column: DB-5
 GC Rear Column: DB-608
 Instrument ID: PESTGC7.i
 Front File ID: of014853.d
 Rear File ID: or014853.d

Matrix: SOIL
 Level: LOW
 Sample Weight: 15 g
 Extract Final Volume: 10.0 ml
 Dilution Factor: 1.0
 % Moisture: 5

ORGANOCHLORINE PCBs - GC/ECD
 METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | <u>Quantitation</u> | |
|------------------|--|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | <u>Limit</u> | <u>Column</u> |
| | <u>Units: ug/kg</u> | | |
| Aroclor-1016 | ND | 70 | R |
| Aroclor-1221 | ND | 70 | R |
| Aroclor-1232 | ND | 70 | R |
| Aroclor-1242 | ND | 70 | R |
| Aroclor-1248 | ND | 70 | R |
| Aroclor-1254 | ND | 70 | R |
| Aroclor-1260 | ND | 70 | R |
| Aroclor-1262 | ND | 70 | R |
| Aroclor-1268 | ND | 70 | R |



Client ID: SB-10A_8-10
Site: HWD, Inc.

Lab Sample ID: 172707
Lab Job No: V810

Date Sampled: 12/02/99
Date Received: 12/03/99
Date Extracted: 12/07/99
Date Analyzed: 12/10/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC7.i
Front File ID: of014813.d
Rear File ID: or014813.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 6

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | <u>Quantitation</u> | |
|------------------|--|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | <u>Limit</u> | <u>Column</u> |
| | <u>Units: ug/kg</u> | | |
| Aroclor-1016 | ND | 71 | R |
| Aroclor-1221 | ND | 71 | R |
| Aroclor-1232 | ND | 71 | R |
| Aroclor-1242 | ND | 71 | R |
| Aroclor-1248 | ND | 71 | R |
| Aroclor-1254 | ND | 71 | R |
| Aroclor-1260 | ND | 71 | R |
| Aroclor-1262 | ND | 71 | R |
| Aroclor-1268 | ND | 71 | R |



Client ID: SB-10B_12-14
Site: HWD, Inc.

Lab Sample ID: 172708
Lab Job No: V810

Date Sampled: 12/02/99
Date Received: 12/03/99
Date Extracted: 12/07/99
Date Analyzed: 12/10/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC7.i
Front File ID: of014814.d
Rear File ID: or014814.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 16

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> Units: ug/kg (Dry Weight) | <u>Quantitation</u> Limit Units: ug/kg | <u>Column</u> |
|------------------|---|--|---------------|
| Aroclor-1016 | ND | 80 | R |
| Aroclor-1221 | ND | 80 | R |
| Aroclor-1232 | ND | 80 | R |
| Aroclor-1242 | ND | 80 | R |
| Aroclor-1248 | ND | 80 | R |
| Aroclor-1254 | ND | 80 | R |
| Aroclor-1260 | ND | 80 | R |
| Aroclor-1262 | ND | 80 | R |
| Aroclor-1268 | ND | 80 | R |



Client ID: SB-12A_4-6
Site: HWD, Inc.

Lab Sample ID: 172713
Lab Job No: V810

Date Sampled: 12/03/99
Date Received: 12/03/99
Date Extracted: 12/07/99
Date Analyzed: 12/10/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC7.i
Front File ID: of014815.d
Rear File ID: or014815.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 7

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | | <u>Quantitation</u> | |
|------------------|--|----|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | | <u>Limit</u> | <u>Column</u> |
| | | | <u>Units: ug/kg</u> | |
| Aroclor-1016 | | ND | 72 | R |
| Aroclor-1221 | | ND | 72 | R |
| Aroclor-1232 | | ND | 72 | R |
| Aroclor-1242 | | ND | 72 | R |
| Aroclor-1248 | 1500 | | 72 | F |
| Aroclor-1254 | | ND | 72 | R |
| Aroclor-1260 | 390 | | 72 | F |
| Aroclor-1262 | | ND | 72 | R |
| Aroclor-1268 | | ND | 72 | R |



Client ID: SB-12B_12-14
Site: HWD, Inc.

Lab Sample ID: 172714
Lab Job No: V810

Date Sampled: 12/03/99
Date Received: 12/03/99
Date Extracted: 12/07/99
Date Analyzed: 12/10/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC7.i
Front File ID: of014816.d
Rear File ID: or014816.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 8

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | <u>Quantitation</u> | |
|------------------|--|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | <u>Limit</u> | <u>Column</u> |
| Aroclor-1016 | ND | 73 | R |
| Aroclor-1221 | ND | 73 | R |
| Aroclor-1232 | ND | 73 | R |
| Aroclor-1242 | ND | 73 | R |
| Aroclor-1248 | ND | 73 | R |
| Aroclor-1254 | ND | 73 | R |
| Aroclor-1260 | 350 | 73 | F |
| Aroclor-1262 | ND | 73 | R |
| Aroclor-1268 | ND | 73 | R |



Client ID: SB-11A_10-12
Site: HWD, Inc.

Lab Sample ID: 173289
Lab Job No: V913

Date Sampled: 12/07/99
Date Received: 12/08/99
Date Extracted: 12/10/99
Date Analyzed: 12/16/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i
Front File ID: zf043815.d
Rear File ID: zr043815.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 5

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | | <u>Quantitation</u> | |
|------------------|--|----|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | | <u>Limit</u> | <u>Column</u> |
| Aroclor-1016 | | ND | 350 | R |
| Aroclor-1221 | | ND | 350 | R |
| Aroclor-1232 | | ND | 350 | R |
| Aroclor-1242 | 2800 | | 350 | F |
| Aroclor-1248 | | ND | 350 | R |
| Aroclor-1254 | | ND | 350 | R |
| Aroclor-1260 | 2300 | | 350 | F |
| Aroclor-1262 | | ND | 350 | R |
| Aroclor-1268 | | ND | 350 | R |



Client ID: SB-11B_12-14
Site: HWD, Inc.

Lab Sample ID: 173290
Lab Job No: V913

Date Sampled: 12/07/99
Date Received: 12/08/99
Date Extracted: 12/10/99
Date Analyzed: 12/20/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i
Front File ID: zf043916.d
Rear File ID: zr043916.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 9

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> | <u>Quantitation</u> | |
|------------------|--|---------------------|---------------|
| | <u>Units: ug/kg</u> <u>(Dry Weight)</u> | <u>Limit</u> | <u>Column</u> |
| Aroclor-1016 | ND | 370 | R |
| Aroclor-1221 | ND | 370 | R |
| Aroclor-1232 | ND | 370 | R |
| Aroclor-1242 | 5700 | 370 | F |
| Aroclor-1248 | ND | 370 | R |
| Aroclor-1254 | ND | 370 | R |
| Aroclor-1260 | ND | 370 | R |
| Aroclor-1262 | ND | 370 | R |
| Aroclor-1268 | ND | 370 | R |



Client ID: FB120899
Site: HWD, Inc.

Lab Sample ID: 173294
Lab Job No: V913

Date Sampled: 12/08/99
Date Received: 12/08/99
Date Extracted: 12/15/99
Date Analyzed: 12/20/99
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC3.i

Matrix: WATER
Sample Volume: 910 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: zf043914.d
Rear File ID: zr043914.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

| <u>Parameter</u> | <u>Analytical Results</u> <u>Units: ug/l</u> | <u>Quantitation</u> | |
|------------------|---|------------------------------------|--------------------------------|
| | | <u>Limit</u> <u>Units: ug/l</u> | <u>Quant.</u> <u>Column</u> |
| Aroclor-1016 | ND | 0.55 | R |
| Aroclor-1221 | ND | 0.55 | R |
| Aroclor-1232 | ND | 0.55 | R |
| Aroclor-1242 | ND | 0.55 | R |
| Aroclor-1248 | ND | 0.55 | R |
| Aroclor-1254 | ND | 0.55 | R |
| Aroclor-1260 | ND | 0.55 | R |
| Aroclor-1262 | ND | 0.55 | R |
| Aroclor-1268 | ND | 0.55 | R |

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-4A_4-6

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452

Case No.: _____

SAS No.: _____

SDG No.: V7272

Matrix (soil/water): SOIL

Lab Sample ID: 172189

Level (low/med): LOW

Date Received: 12/02/99

% Solids: 97.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 932 | — | * | P |
| 7440-36-0 | Antimony | 0.97 | U | | P |
| 7440-38-2 | Arsenic | 0.70 | U | | P |
| 7440-39-3 | Barium | 4.6 | B | | P |
| 7440-41-7 | Beryllium | 0.06 | B | | P |
| 7440-43-9 | Cadmium | 0.08 | U | | P |
| 7440-70-2 | Calcium | 179 | B | | P |
| 7440-47-3 | Chromium | 6.9 | | | P |
| 7440-48-4 | Cobalt | 0.66 | B | | P |
| 7440-50-8 | Copper | 2.5 | B | | P |
| 7439-89-6 | Iron | 2480 | | | P |
| 7439-92-1 | Lead | 0.58 | B | | P |
| 7439-95-4 | Magnesium | 198 | B | | P |
| 7439-96-5 | Manganese | 25.4 | | | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 2.0 | B | | P |
| 7440-09-7 | Potassium | 58.8 | B | | P |
| 7782-49-2 | Selenium | 0.84 | U | | P |
| 7440-22-4 | Silver | 0.27 | U | | P |
| 7440-23-5 | Sodium | 72.5 | U | | P |
| 7440-28-0 | Thallium | 0.90 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | B | | P |
| 7440-66-6 | Zinc | 7.9 | | | P |
| 5955-70-0 | Cyanide | 0.51 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-4B_10-12

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452_

Case No.: _____

SAS No.: _____

SDG No.: V7272_

Matrix (soil/water): SOIL_

Lab Sample ID: 172190

Level (low/med): LOW_

Date Received: 12/02/99

% Solids: 91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 646 | — | * | P |
| 7440-36-0 | Antimony | 1.0 | U | | P |
| 7440-38-2 | Arsenic | 0.81 | B | | P |
| 7440-39-3 | Barium | 3.1 | B | | P |
| 7440-41-7 | Beryllium | 0.09 | B | | P |
| 7440-43-9 | Cadmium | 0.09 | U | | P |
| 7440-70-2 | Calcium | 88.3 | B | | P |
| 7440-47-3 | Chromium | 12.4 | | | P |
| 7440-48-4 | Cobalt | 1.1 | B | | P |
| 7440-50-8 | Copper | 14.5 | | | P |
| 7439-89-6 | Iron | 10900 | | | P |
| 7439-92-1 | Lead | 0.68 | | | P |
| 7439-95-4 | Magnesium | 172 | B | | P |
| 7439-96-5 | Manganese | 70.1 | | | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 8.4 | B | | P |
| 7440-09-7 | Potassium | 62.2 | B | | P |
| 7782-49-2 | Selenium | 0.90 | U | | P |
| 7440-22-4 | Silver | 0.29 | U | | P |
| 7440-23-5 | Sodium | 77.6 | U | | P |
| 7440-28-0 | Thallium | 0.97 | U | | P |
| 7440-62-2 | Vanadium | 1.9 | B | | P |
| 7440-66-6 | Zinc | 43.3 | | | P |
| 5955-70-0 | Cyanide | 0.55 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-5A_0-2

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452

Case No.: _____

SAS No.: _____

SDG No.: V7272

Matrix (soil/water): SOIL

Lab Sample ID: 172196

Level (low/med): LOW

Date Received: 12/02/99

% Solids: 92.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 2960 | - | * | P |
| 7440-36-0 | Antimony | 1.0 | U | | P |
| 7440-38-2 | Arsenic | 1.2 | B | | P |
| 7440-39-3 | Barium | 17.8 | B | | P |
| 7440-41-7 | Beryllium | 0.13 | B | | P |
| 7440-43-9 | Cadmium | 0.39 | B | | P |
| 7440-70-2 | Calcium | 17900 | | | P |
| 7440-47-3 | Chromium | 17.1 | | | P |
| 7440-48-4 | Cobalt | 1.4 | B | | P |
| 7440-50-8 | Copper | 18.7 | | | P |
| 7439-89-6 | Iron | 4010 | | | P |
| 7439-92-1 | Lead | 21.7 | | | P |
| 7439-95-4 | Magnesium | 8340 | | | P |
| 7439-96-5 | Manganese | 55.3 | | | P |
| 7439-97-6 | Mercury | 0.09 | B | | CV |
| 7440-02-0 | Nickel | 4.0 | B | | P |
| 7440-09-7 | Potassium | 150 | B | | P |
| 7782-49-2 | Selenium | 0.88 | U | | P |
| 7440-22-4 | Silver | 0.28 | U | | P |
| 7440-23-5 | Sodium | 1030 | B | | P |
| 7440-28-0 | Thallium | 0.95 | U | | P |
| 7440-62-2 | Vanadium | 6.4 | B | | P |
| 7440-66-6 | Zinc | 219 | | | P |
| 5955-70-0 | Cyanide | 0.54 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-5B_10-12

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452

Case No.: _____

SAS No.: _____

SDG No.: V7272

Matrix (soil/water): SOIL

Lab Sample ID: 172197

Level (low/med): LOW

Date Received: 12/02/99

% Solids: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 424 | — | * | P |
| 7440-36-0 | Antimony | 0.97 | U | | P |
| 7440-38-2 | Arsenic | 0.70 | U | | P |
| 7440-39-3 | Barium | 1.8 | B | | P |
| 7440-41-7 | Beryllium | 0.04 | U | | P |
| 7440-43-9 | Cadmium | 0.08 | U | | P |
| 7440-70-2 | Calcium | 37.9 | B | | P |
| 7440-47-3 | Chromium | 0.80 | B | | P |
| 7440-48-4 | Cobalt | 0.32 | B | | P |
| 7440-50-8 | Copper | 0.72 | B | | P |
| 7439-89-6 | Iron | 946 | — | | P |
| 7439-92-1 | Lead | 0.54 | U | U3 | P |
| 7439-95-4 | Magnesium | 96.1 | B | | P |
| 7439-96-5 | Manganese | 7.2 | — | | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 0.72 | B | | P |
| 7440-09-7 | Potassium | 48.7 | B | | P |
| 7782-49-2 | Selenium | 0.84 | U | | P |
| 7440-22-4 | Silver | 0.27 | U | | P |
| 7440-23-5 | Sodium | 72.7 | U | | P |
| 7440-28-0 | Thallium | 0.91 | U | | P |
| 7440-62-2 | Vanadium | 1.2 | B | | P |
| 7440-66-6 | Zinc | 3.3 | B | | P |
| 5955-70-0 | Cyanide | 0.53 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-10A_8-10

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452_

Case No.: _____

SAS No.: _____

SDG No.: V7272_

Matrix (soil/water): SOIL_

Lab Sample ID: 172707

Level (low/med): LOW_

Date Received: 12/03/99

% Solids: 93.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 2550 | - | * | P |
| 7440-36-0 | Antimony | 1.0 | U | | P |
| 7440-38-2 | Arsenic | 0.74 | B | | P |
| 7440-39-3 | Barium | 12.6 | B | | P |
| 7440-41-7 | Beryllium | 0.10 | B | | P |
| 7440-43-9 | Cadmium | 0.74 | B | | P |
| 7440-70-2 | Calcium | 3140 | - | | P |
| 7440-47-3 | Chromium | 6.7 | - | | P |
| 7440-48-4 | Cobalt | 1.4 | B | | P |
| 7440-50-8 | Copper | 7.1 | - | | P |
| 7439-89-6 | Iron | 5040 | - | | P |
| 7439-92-1 | Lead | 19.2 | - | | P |
| 7439-95-4 | Magnesium | 663 | B | | P |
| 7439-96-5 | Manganese | 66.8 | - | | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 3.3 | B | | P |
| 7440-09-7 | Potassium | 141 | B | | P |
| 7782-49-2 | Selenium | 0.87 | U | | P |
| 7440-22-4 | Silver | 0.28 | U | | P |
| 7440-23-5 | Sodium | 75.2 | U | | P |
| 7440-28-0 | Thallium | 0.94 | U | | P |
| 7440-62-2 | Vanadium | 5.6 | B | | P |
| 7440-66-6 | Zinc | 95.7 | - | | P |
| 5955-70-0 | Cyanide | 0.53 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-10B_12-14

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452

Case No.: _____

SAS No.: _____

SDG No.: V7272

Matrix (soil/water): SOIL

Lab Sample ID: 172708

Level (low/med): LOW

Date Received: 12/03/99

% Solids: 84.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 484 | | * | P |
| 7440-36-0 | Antimony | 1.1 | U | | P |
| 7440-38-2 | Arsenic | 0.81 | U | | P |
| 7440-39-3 | Barium | 2.2 | B | | P |
| 7440-41-7 | Beryllium | 0.05 | U | | P |
| 7440-43-9 | Cadmium | 0.10 | U | | P |
| 7440-70-2 | Calcium | 50.3 | B | | P |
| 7440-47-3 | Chromium | 0.97 | B | | P |
| 7440-48-4 | Cobalt | 0.41 | B | | P |
| 7440-50-8 | Copper | 0.91 | B | | P |
| 7439-89-6 | Iron | 1240 | | | P |
| 7439-92-1 | Lead | 0.62 | U | UJ | P |
| 7439-95-4 | Magnesium | 114 | B | | P |
| 7439-96-5 | Manganese | 13.4 | | | P |
| 7439-97-6 | Mercury | 0.06 | U | | CV |
| 7440-02-0 | Nickel | 0.78 | B | | P |
| 7440-09-7 | Potassium | 43.7 | B | | P |
| 7782-49-2 | Selenium | 0.98 | U | | P |
| 7440-22-4 | Silver | 0.31 | U | | P |
| 7440-23-5 | Sodium | 84.0 | U | | P |
| 7440-28-0 | Thallium | 1.0 | U | | P |
| 7440-62-2 | Vanadium | 1.7 | B | | P |
| 7440-66-6 | Zinc | 3.9 | B | | P |
| 5955-70-0 | Cyanide | 0.60 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-12A_4-6

Lab Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452_

Case No.: _____

SAS No.: _____

SDG No.: V7272_

Matrix (soil/water): SOIL_

Lab Sample ID: 172713

Level (low/med): LOW_

Date Received: 12/03/99

% Solids: 92.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 3210 | — | * | P |
| 7440-36-0 | Antimony | 1.0 | U | — | P |
| 7440-38-2 | Arsenic | 2.9 | — | — | P |
| 7440-39-3 | Barium | 12.9 | B | — | P |
| 7440-41-7 | Beryllium | 0.16 | B | — | P |
| 7440-43-9 | Cadmium | 0.09 | U | — | P |
| 7440-70-2 | Calcium | 2270 | — | — | P |
| 7440-47-3 | Chromium | 22.9 | — | — | P |
| 7440-48-4 | Cobalt | 1.9 | B | — | P |
| 7440-50-8 | Copper | 8.4 | — | — | P |
| 7439-89-6 | Iron | 6880 | — | — | P |
| 7439-92-1 | Lead | 14.7 | — | — | P |
| 7439-95-4 | Magnesium | 550 | B | — | P |
| 7439-96-5 | Manganese | 40.6 | — | — | P |
| 7439-97-6 | Mercury | 0.06 | B | J | CV |
| 7440-02-0 | Nickel | 3.3 | B | — | P |
| 7440-09-7 | Potassium | 138 | B | — | P |
| 7782-49-2 | Selenium | 0.88 | U | — | P |
| 7440-22-4 | Silver | 0.28 | U | — | P |
| 7440-23-5 | Sodium | 76.1 | U | — | P |
| 7440-28-0 | Thallium | 0.95 | U | — | P |
| 7440-62-2 | Vanadium | 7.7 | B | — | P |
| 7440-66-6 | Zinc | 26.4 | — | — | P |
| 5955-70-0 | Cyanide | 0.54 | U | — | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-12B_12-14

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452

Case No.: _____

SAS No.: _____

SDG No.: V7272

Matrix (soil/water): SOIL

Lab Sample ID: 172714

Level (low/med): LOW

Date Received: 12/03/99

% Solids: 91.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 1080 | — | * | P |
| 7440-36-0 | Antimony | 1.0 | U | — | P |
| 7440-38-2 | Arsenic | 0.74 | U | — | P |
| 7440-39-3 | Barium | 5.2 | B | — | P |
| 7440-41-7 | Beryllium | 0.07 | B | — | P |
| 7440-43-9 | Cadmium | 0.09 | U | — | P |
| 7440-70-2 | Calcium | 658 | B | — | P |
| 7440-47-3 | Chromium | 2.5 | — | — | P |
| 7440-48-4 | Cobalt | 0.73 | B | — | P |
| 7440-50-8 | Copper | 2.1 | B | — | P |
| 7439-89-6 | Iron | 1570 | — | — | P |
| 7439-92-1 | Lead | 3.3 | — | — | P |
| 7439-95-4 | Magnesium | 256 | B | — | P |
| 7439-96-5 | Manganese | 19.6 | — | — | P |
| 7439-97-6 | Mercury | 0.05 | U | — | CV |
| 7440-02-0 | Nickel | 1.4 | B | — | P |
| 7440-09-7 | Potassium | 87.6 | B | — | P |
| 7782-49-2 | Selenium | 0.90 | U | — | P |
| 7440-22-4 | Silver | 0.28 | U | — | P |
| 7440-23-5 | Sodium | 77.1 | U | — | P |
| 7440-28-0 | Thallium | 0.96 | U | — | P |
| 7440-62-2 | Vanadium | 2.6 | B | — | P |
| 7440-66-6 | Zinc | 7.6 | — | — | P |
| 5955-70-0 | Cyanide | 0.55 | U | — | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-11A_10-12

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452_

Case No.: _____

SAS No.: _____

SDG No.: V7272_

Matrix (soil/water): SOIL_

Lab Sample ID: 173289

Level (low/med): LOW_

Date Received: 12/08/99

% Solids: 95.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 830 | - | * | P |
| 7440-36-0 | Antimony | 0.96 | U | | P |
| 7440-38-2 | Arsenic | 1.5 | B | | P |
| 7440-39-3 | Barium | 5.1 | B | | P |
| 7440-41-7 | Beryllium | 0.07 | B | | P |
| 7440-43-9 | Cadmium | 0.08 | U | | P |
| 7440-70-2 | Calcium | 885 | B | | P |
| 7440-47-3 | Chromium | 2.8 | | | P |
| 7440-48-4 | Cobalt | 0.41 | B | | P |
| 7440-50-8 | Copper | 4.3 | B | | P |
| 7439-89-6 | Iron | 2010 | | | P |
| 7439-92-1 | Lead | 3.5 | | | P |
| 7439-95-4 | Magnesium | 167 | B | | P |
| 7439-96-5 | Manganese | 17.8 | | | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 1.5 | B | | P |
| 7440-09-7 | Potassium | 79.8 | B | | P |
| 7782-49-2 | Selenium | 0.83 | U | | P |
| 7440-22-4 | Silver | 0.26 | U | | P |
| 7440-23-5 | Sodium | 71.8 | U | | P |
| 7440-28-0 | Thallium | 0.90 | U | | P |
| 7440-62-2 | Vanadium | 1.9 | B | | P |
| 7440-66-6 | Zinc | 18.5 | | | P |
| 5955-70-0 | Cyanide | 0.52 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-11B_12-14

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452

Case No.: _____

SAS No.: _____

SDG No.: V7272

Matrix (soil/water): SOIL

Lab Sample ID: 173290

Level (low/med): LOW

Date Received: 12/08/99

% Solids: 91.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 523 | — | * | P |
| 7440-36-0 | Antimony | 1.0 | U | | P |
| 7440-38-2 | Arsenic | 0.75 | U | | P |
| 7440-39-3 | Barium | 4.6 | B | | P |
| 7440-41-7 | Beryllium | 0.06 | B | | P |
| 7440-43-9 | Cadmium | 0.09 | U | | P |
| 7440-70-2 | Calcium | 114 | B | | P |
| 7440-47-3 | Chromium | 2.0 | B | | P |
| 7440-48-4 | Cobalt | 0.37 | B | | P |
| 7440-50-8 | Copper | 1.7 | B | | P |
| 7439-89-6 | Iron | 1150 | — | | P |
| 7439-92-1 | Lead | 4.1 | — | | P |
| 7439-95-4 | Magnesium | 99.0 | B | | P |
| 7439-96-5 | Manganese | 5.9 | — | | P |
| 7439-97-6 | Mercury | 0.05 | U | | CV |
| 7440-02-0 | Nickel | 0.95 | B | | P |
| 7440-09-7 | Potassium | 40.0 | B | | P |
| 7782-49-2 | Selenium | 0.90 | U | | P |
| 7440-22-4 | Silver | 0.29 | U | | P |
| 7440-23-5 | Sodium | 77.5 | U | | P |
| 7440-28-0 | Thallium | 0.97 | U | | P |
| 7440-62-2 | Vanadium | 1.4 | B | | P |
| 7440-66-6 | Zinc | 6.5 | — | | P |
| 5955-70-0 | Cyanide | 0.55 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB113099

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452

Case No.: _____

SAS No.: _____

SDG No.: V7272

Matrix (soil/water): WATER

Lab Sample ID: 172193

Level (low/med): LOW

Date Received: 12/02/99

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 91.3 | U | * | P |
| 7440-36-0 | Antimony | 4.7 | U | | P |
| 7440-38-2 | Arsenic | 3.4 | U | | P |
| 7440-39-3 | Barium | 1.0 | U | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 78.8 | B | | P |
| 7440-47-3 | Chromium | 1.2 | U | | P |
| 7440-48-4 | Cobalt | 1.3 | U | | P |
| 7440-50-8 | Copper | 2.7 | U | | P |
| 7439-89-6 | Iron | 34.3 | U | | P |
| 7439-92-1 | Lead | 2.6 | U | | P |
| 7439-95-4 | Magnesium | 51.5 | U | | P |
| 7439-96-5 | Manganese | 0.70 | U | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.3 | U | | P |
| 7440-09-7 | Potassium | 130 | U | | P |
| 7782-49-2 | Selenium | 4.1 | U | | P |
| 7440-22-4 | Silver | 1.3 | U | | P |
| 7440-23-5 | Sodium | 353 | U | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 1.8 | U | | P |
| 7440-66-6 | Zinc | 5.7 | U | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB120899

Name: STL_ENVIROTECH

Contract: _____

Lab Code: 11452_

Case No.: _____

SAS No.: _____

SDG No.: V7272_

Matrix (soil/water): WATER

Lab Sample ID: 173294

Level (low/med): LOW_

Date Received: 12/08/99

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 91.3 | U | * | P |
| 7440-36-0 | Antimony | 4.7 | U | | P |
| 7440-38-2 | Arsenic | 3.4 | U | | P |
| 7440-39-3 | Barium | 1.0 | U | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 64.8 | U | | P |
| 7440-47-3 | Chromium | 1.2 | U | | P |
| 7440-48-4 | Cobalt | 1.3 | U | | P |
| 7440-50-8 | Copper | 2.7 | U | | P |
| 7439-89-6 | Iron | 34.3 | U | | P |
| 7439-92-1 | Lead | 2.6 | U | | P |
| 7439-95-4 | Magnesium | 51.5 | U | | P |
| 7439-96-5 | Manganese | 0.70 | U | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.3 | U | | P |
| 7440-09-7 | Potassium | 130 | U | | P |
| 7782-49-2 | Selenium | 4.1 | U | | P |
| 7440-22-4 | Silver | 1.3 | U | | P |
| 7440-23-5 | Sodium | 353 | U | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 1.8 | U | | P |
| 7440-66-6 | Zinc | 5.7 | U | | P |
| 5955-70-0 | Cyanide | 10.0 | U | | C |

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:



Site: HWD, Inc.

Lab Job No: V727

Date Sampled: 11/30/99-12/1/99

Date Received: 12/2/99

Matrix: WATER

Date Analyzed: 12/8/99

QA Batch: 1624

TOTAL ORGANIC CARBON

| <u>STL-Envirotech Sample #</u> | <u>Client ID</u> | <u>Dilution Factor</u> | <u>Analytical Result Units: mg/l</u> |
|------------------------------------|------------------|----------------------------|--|
| 172193 | FB113099 | 1.0 | ND |

Quantitation Limit for Total Organic Carbon is 1.0 mg/l for an undiluted sample.



Site: HWD, Inc.

Lab Job No: V727

Date Sampled: 11/30/99-12/1/99

Date Received: 12/2/99

Date Analyzed: 12/10/99

Matrix: SOIL

QA Batch: 1629

TOTAL ORGANIC CARBON

| <u>STL-Envirotech Sample #</u> | <u>Client ID</u> | <u>% Moisture</u> | <u>Dilution Factor</u> | <u>Analytical Result mg/kg (Dry Wt.)</u> |
|------------------------------------|------------------|-------------------|----------------------------|--|
| 172189 | SB-4A_4-6 | 2.6 | 1.0 | 123 |
| 172190 | SB-4B_10-12 | 9.0 | 1.0 | 182 |
| 172196 | SB-5A_0-2 | 7.2 | 10 | 5810 |
| 172197 | SB-5B_10-12 | 4.8 | 1.0 | ND |

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.



Site: HWD, Inc.

Lab Job No: V810

Date Sampled: 12/2/99-12/3/99

Date Received: 12/3/99

Date Analyzed: 12/10/99

Matrix: SOIL

QA Batch: 1629

TOTAL ORGANIC CARBON

| <u>STL-Envirotech Sample #</u> | <u>Client ID</u> | <u>% Moisture</u> | <u>Dilution Factor</u> | <u>Analytical Result mg/kg (Dry Wt.)</u> |
|------------------------------------|------------------|-------------------|----------------------------|--|
| 172707 | SB-10A_8-10 | 6.1 | 4.0 | 2050 |
| 172708 | SB-10B_12-14 | 16.0 | 1.0 | ND |
| 172713 | SB-12A_4-6 | 7.2 | 5.0 | 4010 |
| 172714 | SB-12B_12-14 | 8.4 | 2.0 | 1380 |

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.



Site: HWD, Inc.

Lab Job No: V913

Date Sampled: 12/7/99-12/8/99

Date Received: 12/8/99

Date Analyzed: 12/10/99

Matrix: SOIL

QA Batch: 1629

TOTAL ORGANIC CARBON

| <u>STL-Envirotech</u> <u>Sample #</u> | <u>Client ID</u> | <u>% Moisture</u> | <u>Dilution</u> <u>Factor</u> | <u>Analytical Result</u> <u>mg/kg (Dry Wt.)</u> |
|--|------------------|-------------------|----------------------------------|--|
| 173289 | SB-11A_10-12 | 4.6 | 4.0 | 1520 |
| 173290 | SB-11B_12-14 | 8.9 | 20 | 6950 |

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.



Site: HWD, Inc.

Lab Job No: V913

Date Sampled: 12/7/99-12/8/99

Date Received: 12/8/99

Matrix: WATER

Date Analyzed: 12/22/99

QA Batch: 1637

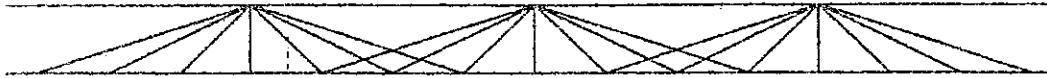
TOTAL ORGANIC CARBON

| <u>STL-Envirotech</u> <u>Sample #</u> | <u>Client ID</u> | <u>Dilution</u> <u>Factor</u> | <u>Analytical Result</u> <u>Units: mg/l</u> |
|--|------------------|----------------------------------|--|
| 173294 | FB120899 | 1.0 | ND |

Quantitation Limit for Total Organic Carbon is 1.0 mg/l for an undiluted sample.

APPENDIX C
GEOPHYSICAL SURVEY REPORT

Bay Geophysical Associates, Inc.



206 Cambridge Way, Coatesville, PA 19320

29 November 1999

Project No.:99-313P

Mr. Robert C. Landle, P.G.
Blasland, Bouck & Lee, Inc.
8 South River Road
Cranbury, NJ 08512-9502

RE: **Results of Geophysical Survey**
HWD Site
Farmingdale, New York

Dear Mr. Landle:

Bay Geophysical Associates, Inc. (Bay) is pleased to present this letter report detailing the methodology and results of an integrated geophysical investigation conducted at the above referenced site on 18 and 19 November 1999. The purpose of the survey was to locate underground storage tanks (USTs), utilities, and other buried structures. To achieve these objectives, an integrated geophysical survey was completed using high-sensitivity metal detector (EM61) and ground penetrating radar (GPR) methods.

The results of the geophysical survey successfully located and delineated buried underground features such as concrete structures and pipes associated with the existing storm water drainage system. A large concrete slab containing metal reinforcing bars was also identified which suggests the presence of a foundation for a pre-existing building or structure. Finally, an area containing disturbed or non-indigenous materials was identified by GPR. The boundary of this disturbed area was corroborated by the EM61 data. Site photographs showing the locations of detected anomalies are presented in Attachment A.

METHODOLOGY

SURVEY REFERENCE GRID

Prior to geophysical data collection, a survey reference grid was established to provide accurate location and even distribution of geophysical measurements.



The grid was surveyed with respect to the existing wall, which is located on the western border of the survey area. The northeast corner of the wall (200N/100E) was used as a benchmark for the grid system. The baseline (200N) was surveyed parallel to the face of the northern wall. The grid nodes along selected reference lines were spray painted on ground. The grid coordinates are marked at three grid reference points (200N/100E, 200N/200N, and 130N/200E) as shown on Figure 1 so that the grid can be re-established in the future if required.

HIGH-SENSITIVITY METAL DETECTOR (EM61)

The metal detector (EM61) data were collected to locate buried metal objects or structures. Data were recorded at less than 1-ft intervals along lines spaced 5-ft apart using a Geonics EM61 High-Sensitivity Metal Detector. The data were digitally recorded to improve precision and eliminate the possibility of transcription errors.

The EM61 is a time domain electromagnetic (EM) system that can discriminate between conductive soils and metal objects. It has numerous advantages over other commonly used metal detection devices. The EM61 generates rapid electromagnetic pulses and measures the response of the subsurface between pulses. Secondary EM fields are generated in the ground after each pulse. These fields dissipate rapidly in earth materials but remain for a longer time in buried metal objects. The EM61 measures the prolonged metal response only after the earth response has dissipated.

The EM61 data were processed in the field to identify buried metal anomalies and to direct the subsequent GPR survey. Plan contour maps and profile plots of the EM61 data were constructed to facilitate interpretation.

DIGITAL GROUND PENETRATING RADAR (GPR)

The GPR data were acquired in an attempt to identify the buried metal objects detected during the EM61 survey and to locate non-metallic structures. The GPR data was also used to identify disturbed subsurface conditions or non-indigenous materials. The data were recorded using a digital SIR-2 Subsurface Interface Radar System, manufactured by Geophysical Survey Systems, Inc.

Data were recorded continuously along orthogonal grid lines as well as over significant EM61 anomalies.

The GPR method uses focused high-frequency electromagnetic pulses to produce a continuous, cross-sectional image of the subsurface. These pulses are transmitted into the subsurface using an antenna. When the pulses reach a layer or object possessing contrasting electrical properties, part of the energy is reflected back to the surface where it is detected by a receiving antenna. A continuous cross-sectional image is generated as the receiving and transmitting antennas are pulled along the ground surface. The received signal is sent to a controlling unit where it is processed and displayed in real time to allow in-field interpretations. The data are also digitally recorded for high-resolution computer processing.

RESULTS AND DISCUSSION

Figure 1 presents a color-enhanced plan contour map of the EM61 data. A high-amplitude, rectangular anomaly was identified near grid node 150N/160E. The amplitude and abrupt anomaly boundaries suggest the presence of metal reinforcing bars (rebar) concrete. The anomaly boundaries are coincident with the boundaries of one of the existing concrete slabs. Visual observations did not suggest any reason for the presence of the reinforcing since the reinforced slab was identical to the surrounding slabs. The presence of rebar was corroborated by the GPR data, which shows a characteristic layer of small, symmetrical anomalies (Figure 2).

Two circular anomalies were identified at a location coincident with the manhole and sewer grate locations. Larger subsurface anomalies were observed after the near-surface effects from the manhole cover and sewer grate were removed from the EM61 data. These data, interpreted in conjunction with the GPR data, indicate the presence of reinforced concrete structures buried at these locations. Discrete hyperbolic GPR reflections suggest the presence of non-metallic conduits connecting the concrete structures. The locations of these conduits are shown in Figure 1. No other conduits associated with these structures were observed in the GPR data.

A linear arrangement of small EM61 anomalies is observed along grid line 150N. These anomalies are attributed to metal post segments that have been cut off flush with the ground surface.

Both the EM61 and GPR data sets suggest the presence of disturbed or non-indigenous materials in the southeastern portion of the survey area. The elevated EM61 data indicates small quantities of metal or high-conductivity materials in this area. The GPR data shows chaotic reflections (Figure 2) that are inconsistent with the remainder of the site. The chaotic nature of the reflections suggests disturbed subsurface conditions. An anomaly with a flat surface is observed in the GPR data at a depth of approximately 2 ft below ground surface. An example of this anomaly is shown in Figure 2. The source of the anomaly appears to be man-made and has an elongate or rectangular shape in plan view. The object is non-metallic since it was not observed in the EM61 data. Hyperbolic reflections that suggest the presence of buried conduits were observed adjacent to this structure. However, these reflections were intermittent and therefore the location and extent of the source could not be confidently mapped.

The remaining high-amplitude anomalies located around the perimeter of the site are caused by interference from aboveground metal objects such as cars and trucks that were parked around the perimeter of the site.

CONCLUSIONS

The results of this investigation successfully identified and delineated subsurface structures and disturbed or non-indigenous materials. The highest amplitude EM61 anomaly is attributed to a reinforced concrete slab. Chaotic GPR reflections and elevated EM61 readings suggest the presence of disturbed subsurface materials that are located directly east of the reinforced concrete slab. Finally, the locations of buried concrete structures and conduits associated with the existing storm water drainage system were also mapped.

CLOSING


The data collection and interpretation methodologies used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. This warranty is in lieu of all other warranties either implied or expressed. Bay assumes no

Mr. Robert C. Landle
99-313P
11/29/99
Page 5

responsibility for interpretations made by others based on work performed by or recommendations made by Bay.

Please contact us if you have any questions regarding this survey. We appreciate the opportunity to serve you and look forward to working with you again.

Kind regards,
Bay Geophysical Associates, Inc.



M. Scott McQuown, P.G.
Principal Geophysicist

Attachment A: Site photographs

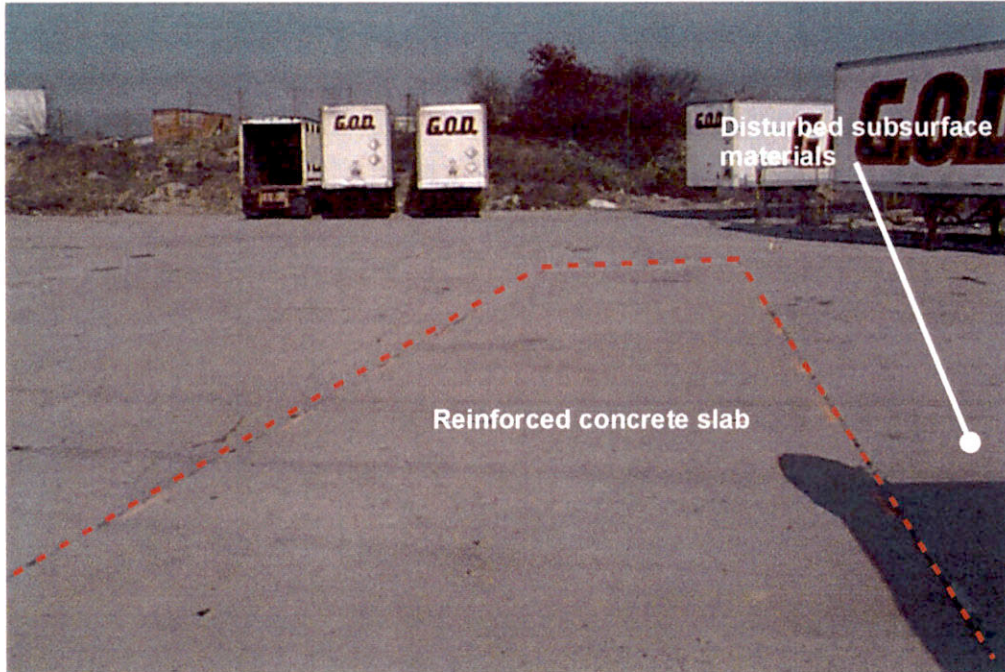


Photo 1: Looking north at reinforced concrete slab

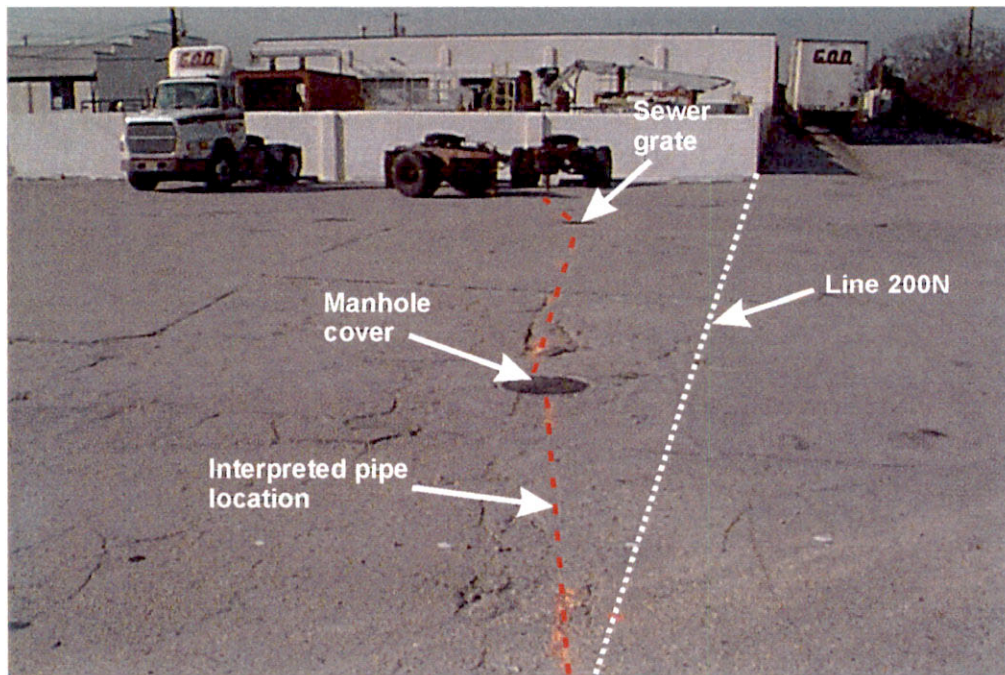


Photo 2: Looking west along interpreted pipe location.

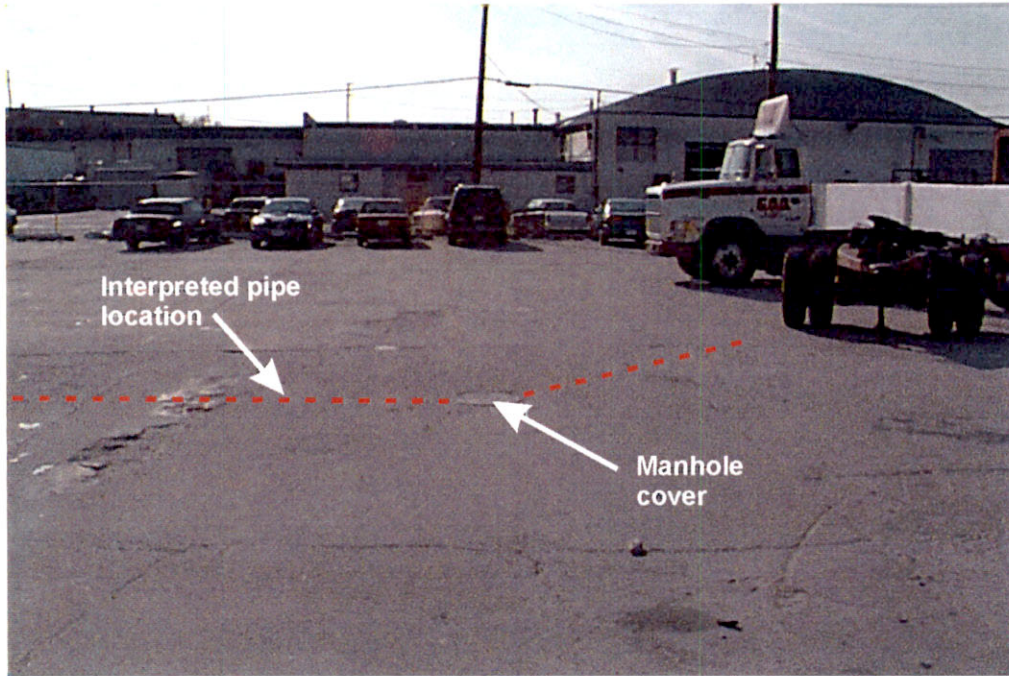


Photo 3: Looking south at interpreted pipe location.

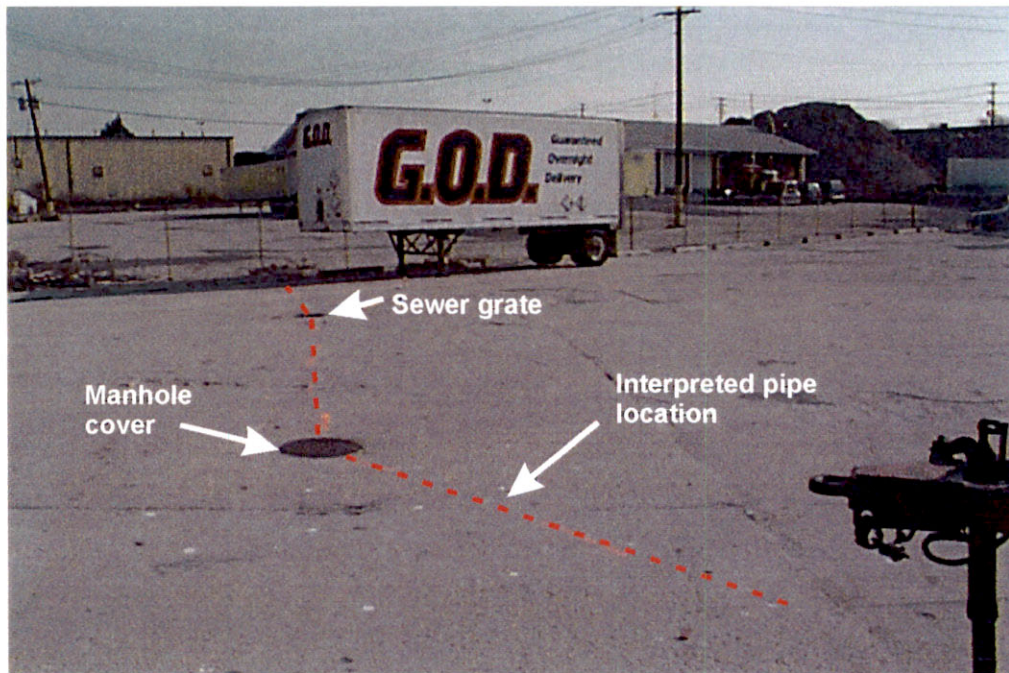


Photo 4: Looking west at interpreted pipe location.

Figure 1
 Interpreted Anomaly Map
 HWD Site
 Farmingdale, New York

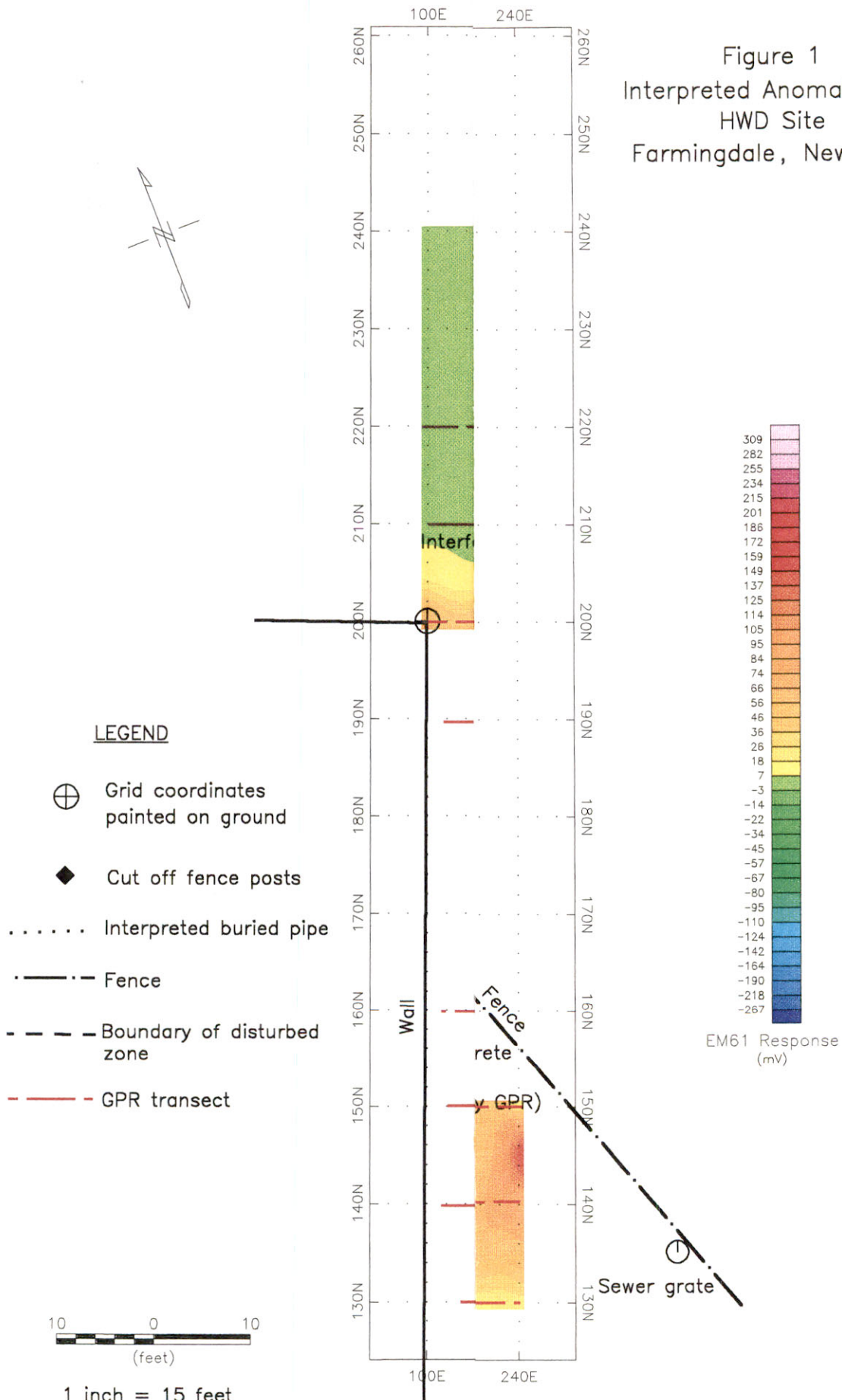
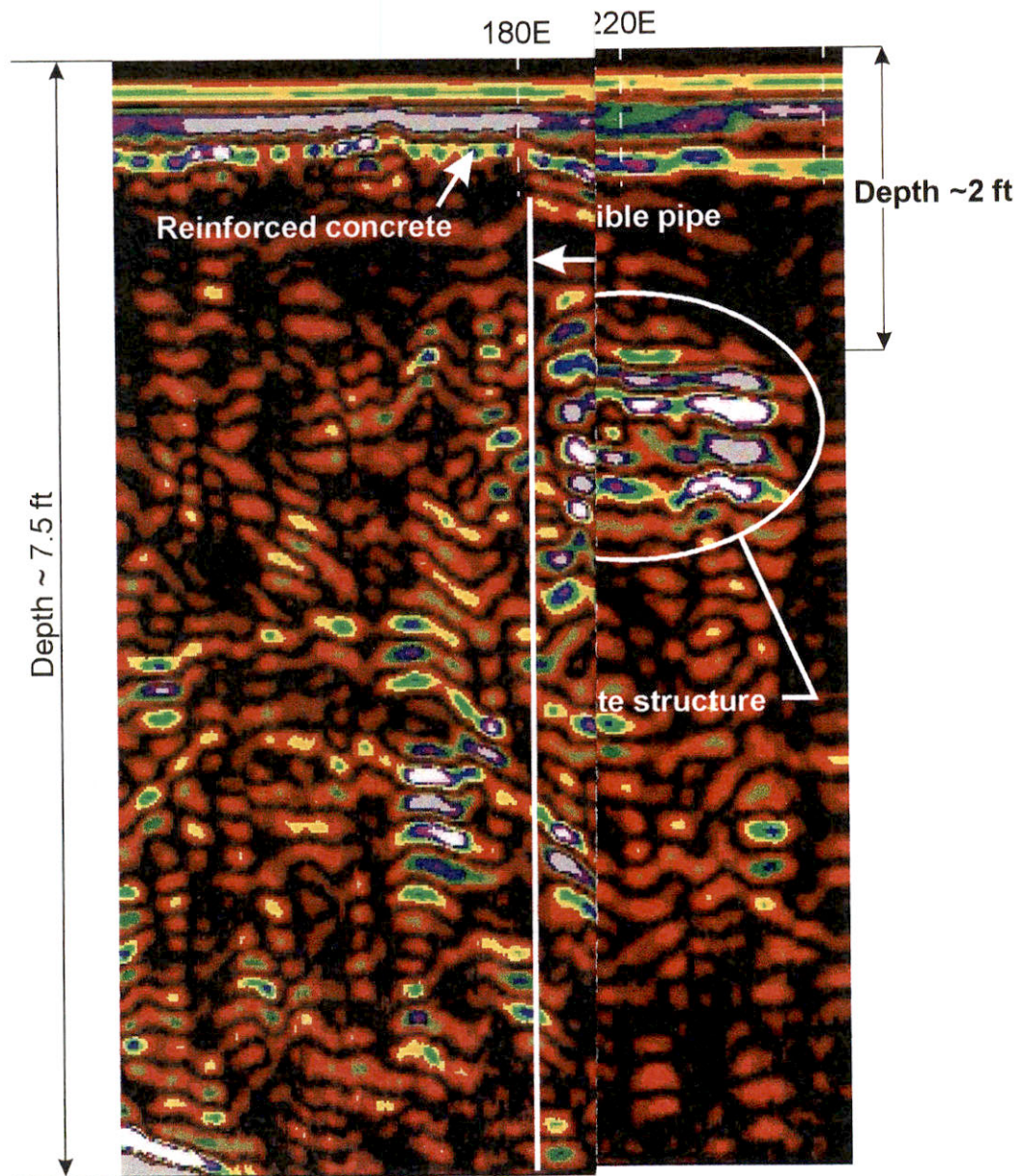


Figure 2
Example GPR Profile - Line 160N
HWD Site
Farmingdale, New York



APPENDIX D
SOIL BORING LOGS/MONITORING
WELL CONSTRUCTION LOGS

Client:
HWD Site Group

Well No: HP-01

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|--|
| 51 | 5 | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | <p>← Cement/bentonite grout to 97 ft. BGS.</p> |
| 56 | 0 | | | | | | | | | | |
| 61 | 5 | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | <p>← Cement/bentonite grout to 97 ft. BGS.</p> |
| 66 | 0 | | | | | | | | | | |
| 73 | 5 | | | | | | | | | | |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/15/99 | | 13:00 ↓ |
| | | |
| | | |

Client:
HWD Site Group

Well No: HP-01

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 78 | | | ▲ | | | | | | | |
| 83 | | | | | | | | | | |
| 88 | | | | | | | | | | |
| 93 | | | ▲ | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | ← Cement/bentonite grout to 97 ft. BGS. |
| | | | | | | | | | Boring terminated at 97.0 ft. BGS. | |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.


Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/15/99 | | 13.00 ▼ |
| | | |
| | | |

| | | |
|---|--|--|
| Date Start/Finish: 12/22/99 / 12/22/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligrio Drilling Method: Hollow Stem Auger Auger Size: 4.25 Rig Type: Failing, F-10 Sampling Method: Split Spoon Hammer Weight: 140 lbs. | Northing: 188868.83 Easting: 2160894.20 Borehole Depth: 97.0 Feet Ground Surface: 65.82 Feet Geologist: James C. Eicher | Well No: HP-02 Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, Long Island |
|---|--|--|

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|---------------------------|-----------|---------------|------------------|-------------|----|----------------|------------------------|-------------------|-----------------|--|-------------------|
| gs elevation 65.82 ft. | | | | | | | | | | GROUND SURFACE | |
| 65 | | | | | | | | | | Auger to 12 ft. BGS, advance split-spoon to verify depth to ground- water. | |
| 5 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 0 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| | | 1 | | 8 | 12 | 13 | 0.4 | | | Light tan medium to coarse well sorted SAND and GRAVEL. | |
| | | | | 6 | | | 3.2 | | | | |
| | | | | 6 | | | 5.8 | | | | |
| | | | | 4 | | | 5.0 | | | | |
| 5 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 20 | | | | | | | | | | Zero recovery within hydropunch. | |

← Cement/bentonite grout to 87 ft. BGS.

| | | | | |
|--|--|------------------------|-----------|---------|
|  <p>BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists</p> | Remarks: Hydropunch groundwater samples were collected for TCL VOC analysis. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/22/99 | | 14.00 ▼ |

Client:
HWD Site Group

Well No: HP-02

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|-------------------|---|---|--|
| 45 | | | ✕ | | | | | | | Light tan medium to coarse well sorted SAND and GRAVEL. | <p>← Cement/bentonite grout to 97 ft. BGS.</p> |
| 20 | | | ✕ | | | | | | Light tan medium to coarse well sorted SAND and GRAVEL. | | |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/22/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: HP-02

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 in. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|-------------------|
| 51 | 5 | | | | | | | | | | |
| 56 | 0 | | | | | | | | | | |
| 61 | 5 | | | | | | | | | | |
| 66 | 0 | | | | | | | | | | |
| | | | | | | | | | | Light tan medium to coarse well sorted SAND and GRAVEL. | |
| | -5 | | | | | | | | | | |
| 73 | | | | | | | | | | | |

← Cement/bentonite grout to 97 ft. BGS.

← Cement/bentonite grout to 97 ft. BGS.

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/22/99 | | 14.00 ↓ |
| | | |
| | | |

| | | |
|--|--|--|
| Date Start/Finish: 12/06/99 / 12/07/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligrio Drilling Method: Hollow Stem Auger Auger Size: 4.25 Rig Type: Failing, F-10 Hammer Weight: 140 lbs. | Northing: 188858.39 Easting: 2161092.24 Borehole Depth: 97.0 Feet Ground Surface: 67.97 Feet Geologist: James C. Eicher | Well No: HP-03 Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, Long Island |
|--|--|--|

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|---------------------------|-----------|---------------|-----------------|-------------|----|----------------|------------------------|-------------------|-----------------|--|-------------------|
| gs elevation 67.97 ft. | | | | | | | | | | GROUND SURFACE | |
| | | | | | | | | | | Augered through 0.6 ft. of concrete. | |
| | | | | | | | | | | Auger to 14 ft. BGS to verify depth to ground-water. | |
| 85 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 5 | | 1 | | 3 | 10 | 10 | 0.0 | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet, strong petroleum odor. | |
| | | | | 5 | | | 44.5 | | | | |
| | | | | 5 | | | 462 | | | | |
| | | | | 8 | | | 381 | | | | |
| 50 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |

← Cement/bentonite grout to 97 ft. BGS.

| | | | | |
|--|--|------------------------|-----------|---------|
| BBL BLASLAND, BOUCK & LEE, INC. <i>engineers & scientists</i> | Remarks: Hydropunch groundwater samples were collected for TCL VOC analysis. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/06/99 | | 14.00 ▼ |

Client:
HWD Site Group

Well No: HP-03

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/In./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|---------------------|-------------------|-----------------|---|--|
| 45 | | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | <p>← Cement/bentonite grout to 97 ft. BGS.</p> |
| 25 | | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |



Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

| Saturated Zones | | |
|-----------------|-----------|---------|
| Date / Time | Elevation | Depth |
| 12/06/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
 HWD Site Group
Location:
 Hazardous Waste Disposal Site
 Farmingdale, Long Island

Well No: HP-03
Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|---------------------|-------------------|-----------------|---------------------------|---|
| 20 | | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| 50 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 75 | | | | | | | | | | | |
| 76 | | | | | | | | | | | |
| 77 | | | | | | | | | | | |
| 78 | | | | | | | | | | | |
| 79 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| 81 | | | | | | | | | | | |
| 82 | | | | | | | | | | | |
| 83 | | | | | | | | | | | |
| 84 | | | | | | | | | | | |
| 85 | | | | | | | | | | | |
| 86 | | | | | | | | | | | |
| 87 | | | | | | | | | | | |
| 88 | | | | | | | | | | | |
| 89 | | | | | | | | | | | |
| 90 | | | | | | | | | | | |
| 91 | | | | | | | | | | | |
| 92 | | | | | | | | | | | |
| 93 | | | | | | | | | | | |
| 94 | | | | | | | | | | | |
| 95 | | | | | | | | | | | |
| 96 | | | | | | | | | | | |
| 97 | | | | | | | | | | | |

Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet.

← Cement/bentonite grout to 97 ft. BGS.

BBL
 BLASLAND, BOUCK & LEE, INC.
 engineers & scientists

Remarks:
 Hydropunch groundwater samples were collected for TCL VOC analysis.

| Saturated Zones | | |
|-----------------|-----------|-------|
| Date / Time | Elevation | Depth |
| 12/06/99 | | 14.00 |
| | | |
| | | |

Client:
 HWD Site Group
Location:
 Hazardous Waste Disposal Site
 Farmingdale, Long Island

Well No: HP-03
Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|-------------------|-----------------|---------------------------|-------------------|
| 78 | | | ✕ | | | | | | | | |
| 83 | | | | | | | | | | | |
| 88 | | | | | | | | | | | |
| 93 | | | ✕ | | | | | | | | |
| 97.0 | | | | | | | | | | | |

Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet.

← Cement/bentonite grout to 97 ft. BGS.


Boring terminated at 97.0 ft. BGS.

| | | | | |
|--|--|------------------------|-----------|---------|
| <h1 style="margin: 0;">BBL</h1> <p style="margin: 0;">BLASLAND, BOUCK & LEE, INC. engineers & scientists</p> | Remarks: Hydropunch groundwater samples were collected for TCL-VOC analysis. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/06/99 | | 14.00 ▼ |

| | | |
|---|--|--|
| Date Start/Finish: 11/30/99 / 12/01/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligrio Drilling Method: Hollow Stem Auger Auger Size: 4.25 Rig Type: Falling, F-10 Sampling Method: Split Spoon Hammer Weight: 140 lbs. | Northing: 188788.34 Easting: 2160760.36 Borehole Depth: 96.0 Feet Ground Surface: 65.95 Feet Geologist: James C. Eicher | Well No: SB/HP-4 Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, Long Island |
|---|--|--|

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|---------------------------|-----------|---------------|-----------------|----------------------|----|----------------|--------------------------|-------------------|-----------------|---|-------------------|
| gs elevation 65.95 ft. | | | | | | | | | | GROUND SURFACE | |
| 85 | | 1 | | 9 10 10 14 | 20 | 1.5 | 0.3 1.1 0.1 | | | Augered through 0.5 ft. of concrete. | |
| | | 2 | | 10 12 12 19 | 24 | 1.3 | 0.3 0.4 0.1 | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, dry. | |
| 5 | | 3 | ◆ | 14 12 14 10 | 26 | 1.8 | 4.9 3.7 24.2 18 | * | | SAND and GRAVEL, moist. | |
| 60 | | 4 | | 8 8 4 6 | 12 | 1.3 | 0.3 2.1 0.4 | | | | |
| | | 5 | | 4 4 5 6 | 9 | 0.7 | 1.2 1.4 | | | | |
| 10 | | 6 | ◆ | 3 4 8 11 | 12 | 1.9 | 1.0 1.0 1.0 1.1 | * | | Head space analysis: 0-2 ft. 0.0 ppm/ 2-4 ft. 0.1 ppm/ 4-6 ft. 0.3 ppm/ 6-8 ft. 0.1 ppm/ 8-10 ft. 0.3 ppm/ 10-12 ft. 0.2 ppm/ 12-14 ft. 0.4 ppm | |
| | | 7 | | 5 6 7 6 | 13 | 1.5 | 1.0 0.0 0.0 | | | | |
| 5 | | | | | | | | | | | |
| 50 | | | ◆ | | | | | | | | |
| 20 | | | | | | | | | | | |

← Cement/bentonite grout to 96 ft. BGS.

| | | | | |
|--|---|------------------------|-----------|---------|
|  BLASLAND, BOUCK & LEE, INC. <i>engineers & scientists</i> | Remarks: TCL VOC soil samples were collected from 0.5 ft. interval with highest PID reading. Remainder of two ft. interval was analyzed for TCL SVOCs, PCBs, TAL inorganics, grain size, and TOC. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 11/30/99 | | 12.07 ↓ |

Client:
HWD Site Group

Well No: SB/HP-4

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 96.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PLD (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|---------------------|--------------------------------------|---|--|
| 45 | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | <p>← Cement/bentonite grout to 96 ft. BGS.</p> |
| 40 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 20 | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 11/30/99 | | 12.07 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-4

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 96.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 51 | 5 | | | | | | | | | ← Cement/bentonite grout to 96 ft. BGS. |
| 58 | 10 | | | | | | | | | |
| 61 | 5 | | | | | | | | | |
| 68 | 0 | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| 73 | -5 | | | | | | | | | ← Cement/bentonite grout to 96 ft. BGS. |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|----------|
| 11/30/99 | | 12.07' ↓ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-4

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 96.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|---|
| 78 | | | | | | | | | | | |
| 83 | | | | | | | | | | | |
| 88 | | | | | | | | | | | |
| 83 | | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| | | | | | | | | | | | ← Cement/bentonite grout to 96 ft. BGS. |
| | | | | | | | | | | Boring terminated at 96.0 ft. BGS. | |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 11/30/99 | | 12.07 ↓ |
| | | |
| | | |

| | | |
|---|--|--|
| Date Start/Finish: 12/01/99 / 12/02/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligrio Drilling Method: Hollow Stem Auger Auger Size: 4.25 Rig Type: Falling, F-10 Sampling Method: Split Spoon Hammer Weight: 140 lbs. | Northing: 188781.05 Easting: 2160807.78 Borehole Depth: 97.0 Feet Ground Surface: 65.50 Feet Geologist: James C. Eicher | Well No: SB/HP-5 Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, Long Island |
|---|--|--|

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|----------------------|----|----------------|-----------------------------|-------------------|-----------------|---|---|
| | | | | | | | | | | GROUND SURFACE | |
| | 65 | 1 | | 12 12 8 10 | 20 | 0.8 | 15.9 72.3 89.5 | * | | Augered through 0.5 ft. of concrete. Dark brown medium to coarse SAND and GRAVEL, some construction debris (brick and concrete fragments), moist. | <p style="text-align: right;">← Cement/bentonite grout to 97 ft. BGS.</p> |
| | | 2 | | 5 4 5 | 9 | 0.2 | 1.3 | | | Dark brown medium to coarse SAND and GRAVEL, moist. | |
| | | 3 | | 6 8 8 6 | 18 | 1.4 | 52.2 55.7 3.2 12.1 | | | Dark brown medium to coarse GRAVEL and SAND, moist. | |
| | 60 | 4 | | 12 14 14 15 | 28 | 1.4 | 3.6 8.4 3.6 0.4 | | | Dark brown medium to coarse GRAVEL and SAND, moist to 6.3 ft. BGS then a light tan medium to coarse subangular to subrounded well sorted, SAND and GRAVEL, moist. | |
| | | 5 | | 8 8 10 | 20 | 0.0 | -- | | | Head space analysis: 0-2 ft. 59.4 ppm/ 2-4 ft. 230 ppm/ 4-8 ft. 305 ppm/ 6-8 ft. 111 ppm/ 8-10 ft. --/ 10-12 ft. 11.8 ppm/ 12-14 ft. 4.3 ppm | |
| | 55 | 6 | | 5 6 6 5 | 12 | 1.2 | 1.1 5.5 3.5 1.9 | * | | | |
| | | 7 | | 4 5 5 5 | 10 | 1.1 | 2.4 2.1 0.7 0.8 | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| | 50 | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | 20 | | | | | | | | | | |

| | | | | |
|--|---|------------------------|-----------|---------|
| <p>BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists</p> | Remarks: TCL VOC soil samples were collected from 0.5 ft. interval with highest PID reading. Remainder of two ft. interval was analyzed for TCL SVOCs, PCBs, TAL inorganics, grain size, TOC, and TCL pesticides. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/01/99 | | 13.00 ▼ |
| | | | | |

Client:
HWD Site Group

Well No: SB/HP-5

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|---|
| 45 | | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| 25 | 40 | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BSS. |
| 30 | 35 | | | | | | | | | | |
| 35 | 30 | | | | | | | | | | |
| 40 | 25 | | | | | | | | | | |
| 48 | 20 | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/01/99 | | 13.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-5

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|--------------------------------------|---------------------------|-------------------|
| 5 | 5 | | | | | | | | | |
| 10 | 10 | | | | | | | | | |
| 5 | 5 | | | | | | | | | |
| 0 | 0 | | | | | | | | | |
| -5 | -5 | | | | | | | | | |
| 73 | | | | | | | | | | |

Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet.

← Cement/bentonite grout to 97 ft. BGS.

← Cement/bentonite grout to 97 ft. BGS.

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.


Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/01/99 | | 13.00 ▼ |
| | | |
| | | |

Client:
 HWD Site Group
Location:
 Hazardous Waste Disposal Site
 Farmingdale, Long Island

Well No: SB/HP-5
Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|---|-----------|---------------|-----------------|-------------|---|----------------|---------------------|-------------------|-----------------|---|-------------------|
| 78 | | | X | | | | | | | | |
| 83 | | | | | | | | | | | |
| 88 | | | | | | | | | | | |
| 93 | | | | | | | | | | | |
| 97.0 | | | X | | | | | | | | |
| Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. | |
| Boring terminated at 97.0 ft. BGS. | | | | | | | | | | | |

| | | | | |
|---|--|------------------------|-----------|---------|
|  | Remarks: Hydropunch groundwater samples were collected for TCL VOC analysis. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/01/99 | | 13.00 ▼ |

Client:
HWD Site Group

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Well No: SB/HP-06

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|---|
| 45 | | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| 25 | | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| 40 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 35 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 20 | | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

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engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/16/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-08
Total Depth = 97.0 ft.

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|-------------------|-----------------|---------------------------|-------------------|
| 52 | 85 | | | | | | | | | | |
| 58 | 10 | | | | | | | | | | |
| 61 | 5 | | | | | | | | | | |
| 66 | 0 | | | | | | | | | | |
| | -5 | | | | | | | | | | |
| 73 | | | | | | | | | | | |

← Cement/bentonite grout to 97 ft. BGS.

Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet.

← Cement/bentonite grout to 97 ft. BGS.

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/16/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-08

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 78 | | | ✕ | | | | | | | |
| 83 | | | | | | | | | | |
| 88 | | | | | | | | | | |
| 83 | | | ✕ | | | | | | | |
| | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| | | | | | | | | | Boring terminated at 97.0 ft. BGS. | |

BBL
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engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/16/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-07

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|---|
| 45 | | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| 25 | 40 | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| 30 | 35 | | | | | | | | | | |
| 35 | 30 | | | | | | | | | | |
| 40 | 25 | | | | | | | | | | |
| 46 | 20 | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|-------|
| 12/14/99 | | 14.00 |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-07

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PTD (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|---|
| 5 | 65 | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| 10 | 60 | | | | | | | | | | |
| 5 | 55 | | | | | | | | | | |
| 0 | 50 | | | | | | | | | | |
| -5 | 45 | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | ← Cement/bentonite grout to 97 ft. BGS. |
| 73 | | | | | | | | | | | |

BBL
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engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/14/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-07

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/In./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|---------------------|-----------------------------------|---|---|
| 78 | | | ✕ | | | | | | | |
| 83 | | | | | | | | | | |
| 88 | | | | | | | | | | |
| 89 | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | ← Cement/bentonite grout to 97 ft. BGS. |
| 90 | | | ✕ | | | | | | | |
| | | | | | | | | | Boring terminated at 97.0 ft. BGS. | |

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engineers & scientists

Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

| Saturated Zones | | |
|-----------------|-----------|----------|
| Date / Time | Elevation | Depth |
| 12/14/99 | | 14.00' ↓ |
| | | |
| | | |

Date Start/Finish: 12/09/99 / 12/09/99
 Drilling Company: Delta Well and Pump Co.
 Driller's Name: Mike Pelligrio
 Drilling Method: Hollow Stem Auger
 Auger Size: 4.25
 Rig Type: Failing, F-10
 Sampling Method: Split Spoon
 Hammer Weight: 140 lbs.

Northing: 188739.38
 Easting: 2160799.02

Well No: SB/HP-08

Client:
 HWD Site Group

Borehole Depth: 97.0 Feet
 Ground Surface: 65.68 Feet

Location:
 Hazardous Waste Disposal Site
 Farmingdale, Long Island

Geologist: James C. Eicher

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|------------------------|-----------|---------------|-----------------|----------------------|----|----------------|----------------------------|-------------------|-----------------|--|-------------------|
| gs elevation 65.68 ft. | | | | | | | | | | | |
| GROUND SURFACE | | | | | | | | | | | |
| 65 | | 1 | | 27 18 18 15 | 34 | 1.1 | 530 185 11.6 19.4 | * | | Augered through 0.6 ft. of concrete. Dark brown medium to coarse SAND and GRAVEL, little fines, moist. | |
| | | 2 | | 8 7 8 5 | 15 | 0.4 | 19.3 53.2 | | | | |
| 5 | | 3 | | 6 5 5 6 | 10 | 2.0 | 157 37.2 88.6 9.7 | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, moist. Brown fine SAND and SILT, some medium to coarse subangular to subrounded GRAVEL, moist. | |
| 60 | | 4 | | 20 15 15 21 | 30 | 2.0 | 58.5 14.1 289 246 | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, moist. | |
| | | 5 | | 8 10 12 15 | 22 | 1.8 | 193 24.8 29.1 5.7 | | | Head space analysis: 0-2 ft. 1447 ppm/ 2-4 ft. 305 ppm/ 4-6 ft. 51.6 ppm/ 6-8 ft. 4.7 ppm/ 8-10 ft. 23.1 ppm/ 10-12 ft. 4.1 ppm/ 12-14 ft. 8.2 ppm | |
| 55 | | 6 | | 10 12 12 14 | 24 | 1.6 | 75.2 258 190 179 | | | | |
| | | 7 | | 6 8 8 10 | 16 | 1.2 | 24.6 15.3 5.4 1.8 | * | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| 6 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |

← Cement/bentonite grout to 97 ft. BGS.

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 engineers & scientists

Remarks:

TCL VOC soil samples were collected from 0.5 ft. interval with highest PID reading. Remainder of two ft. interval was analyzed for TCL SVOCs, PCBs, TAL inorganics, grain size, and TOC.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/09/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-08

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|--------------------------------------|---|--|
| 45 | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | <p>← Cement/bentonite grout to 07 ft. BGS.</p> |
| 40 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 20 | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/09/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group
Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Well No: SB/HP-08
Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|--------------------------------------|---------------------------|-------------------|
| 5 | 65 | | | | | | | | | |
| 10 | 60 | | | | | | | | | |
| 5 | 55 | | | | | | | | | |
| 0 | 50 | | | | | | | | | |
| -5 | 45 | | | | | | | | | |
| 73 | 17 | | | | | | | | | |

Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet.

← Cement/bentonite grout to 97 ft. BGS.

← Cement/bentonite grout to 97 ft. BGS.

BBL
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engineers & scientists

Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

| Saturated Zones | | |
|-----------------|-----------|---------|
| Date / Time | Elevation | Depth |
| 12/09/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-08

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/In./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 78 | | | ▲ | | | | | | | |
| 83 | | | | | | | | | | |
| 88 | | | | | | | | | | |
| 93 | | | ▲ | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | ← Cement/bentonite grout to 97 ft. BGS. |
| | | | | | | | | | Boring terminated at 97.0 ft. BGS. | |
| 100 | | | | | | | | | | |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/09/99 | | 14.00 ↓ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-09

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|---|
| 5 | | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, gray staining, petroleum odor wet. | |
| 25 | 40 | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| 30 | 35 | | | | | | | | | | |
| 35 | 30 | | | | | | | | | | |
| 40 | 25 | | | | | | | | | | |
| 46 | 20 | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

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engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/21/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-09

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|-------------------|-----------------|---------------------------|-------------------|
| 5 | | | | | | | | | | | |
| 51 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 58 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 61 | | | | | | | | | | | |
| 0 | | | | | | | | | | | |
| 68 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 73 | | | | | | | | | | | |

← Cement/bentonite grout to 97 ft. BGS.

Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet.

← Cement/bentonite grout to 97 ft. BGS.



Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

| Saturated Zones | | |
|-----------------|-----------|---------|
| Date / Time | Elevation | Depth |
| 12/21/09 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-09

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|-------------------|-----------------|---------------------------|-------------------|
| 78 | | | ✕ | | | | | | | | |
| 83 | | | | | | | | | | | |
| 88 | | | | | | | | | | | |
| 93 | | | ✕ | | | | | | | | |
| 97.0 | | | | | | | | | | | |

Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet.

← Cement/bentonite grout to 97 ft. BGS.

Boring terminated at 97.0 ft. BGS.



Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

| Saturated Zones | | |
|-----------------|-----------|---------|
| Date / Time | Elevation | Depth |
| 12/21/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
 HWD Site Group
Location:
 Hazardous Waste Disposal Site
 Farmingdale, Long Island

Well No: SB/HP-10
Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|---|
| 51 | 5 | | | | | | | | | | |
| 58 | 0 | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| 61 | 5 | | | | | | | | | | |
| 68 | 0 | | | | | | | | | | |
| 73 | 5 | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | ← Cement/bentonite grout to 97 ft. BGS. |

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 engineers & scientists

Remarks:
 Hydropunch groundwater samples were collected for TCL VOC analysis.

| Saturated Zones | | |
|-----------------|-----------|---------|
| Date / Time | Elevation | Depth |
| 12/02/99 | | 14.05 ↓ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-10

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 78 | | | ✕ | | | | | | | |
| 83 | | | | | | | | | | |
| 88 | | | | | | | | | | |
| 93 | | | ✕ | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | ← Cement/bentonite grout to 97 ft. BGS. |
| 97.0 | | | | | | | | | Boring terminated at 97.0 ft. BGS. | |

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engineers & scientists


Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/02/99 | | 14.05 ▼ |
| | | |
| | | |

| | | |
|--|---|---|
| Date Start/Finish: 12/07/99 / 12/08/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligro Drilling Method: Hollow Stem Auger Auger Size: 4.25 Rig Type: Failing, F-10 Sampling Method: Split Spoon Hammer Weight: 140 lbs. | Northing: 188704.86 Eastng: 2160921.66 Borehole Depth: 97.0 Feet Ground Surface: 65.42 Feet Geologist: James C. Eicher | Well No: SB/HP-II Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, Long Island |
|--|---|---|

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|---------------------------|---------------|-----------------|----------------------|----|----------------|--------------------------|-------------------|-----------------|--|---|
| | gs elevation 65.42 ft. | | | | | | | | | GROUND SURFACE | |
| | 65 | 1 | | 9 6 6 4 | 12 | 0.9 | 0.0 0.0 0.0 | | | Augered through 0.5 ft. of concrete. Brown fine to medium SAND, some fine to medium Gravel, wood fragments in bottom 0.1 ft. of interval. | |
| | | 2 | | 10 14 22 12 | 38 | 0.8 | 0.0 0.0 0.1 | | | | |
| 5 | 60 | 3 | | 3 4 4 5 | 8 | 0.0 | -- | | | | |
| | | 4 | | 8 8 10 14 | 16 | 1.2 | 0.0 0.3 0.0 0.0 | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, moist. Red brick fragment lodged in shoe of split-spoon. | |
| | | 5 | | 10 12 16 16 | 28 | 0.0 | -- | | | | |
| 10 | 55 | 6 | X | 10 8 8 9 | 16 | 1.2 | 0.1 0.6 92.4 | * | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, moist (bottom 0.1 ft. of interval stained black). | |
| | | 7 | X | 9 10 11 14 | 21 | 1.1 | 185 497 643 462 | * | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, moist (strong petroleum odor, stained black, sheen located on ground-water and soil). | |
| 5 | 50 | | | | | | | | | Head space analysis: 0-2 ft. 0.2 ppm/ 2-4 ft. 0.5 ppm/ 4-6 ft. --/ 6-8 ft. 0.8 ppm/ 8-10 ft. --/ 10-12 ft. 14.3/ 12-14 ft. 894 ppm | |
| | | | X | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |

| | | | | |
|--|---|------------------------|-----------|---------|
|  <p>BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists</p> | Remarks: TCL VOC soil samples were collected from 0.5 ft. interval with highest PID reading. Remainder of two ft. interval was analyzed for TCL SVOCs, PCBs, TAL inorganics, grain size, and TOC. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/07/99 | | 14.00 ▼ |

Client:
HWD Site Group

Well No: SB/HP-II

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/In/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|----------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|---|
| 45 | | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| 40 | | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| 35 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 20 | | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

BBL
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engineers & scientists

Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

| Saturated Zones | | |
|-----------------|-----------|---------|
| Date / Time | Elevation | Depth |
| 12/07/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-II

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|---|
| 51 | 5 | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| 58 | 10 | | | | | | | | | | |
| 61 | 5 | | | | | | | | | | |
| 66 | 0 | | | | | | | | | | |
| 73 | -5 | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | ← Cement/bentonite grout to 97 ft. BGS. |

BBL
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engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|-------|
| 12/07/99 | | 14.00 |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-11

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|---------------------|-------------------|-----------------|---|---|
| 78 | | | ◆ | | | | | | | | |
| 83 | | | | | | | | | | | |
| 88 | | | | | | | | | | | |
| 83 | | | ◆ | | | | | | | | |
| | | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| | | | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| | | | | | | | | | | Boring terminated at 97.0 ft. BGS. | |

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:


Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/07/99 | | 14.00 ▼ |
| | | |
| | | |

| | | |
|---|--|---|
| Date Start/Finish: 12/03/99 / 12/06/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligrio Drilling Method: Hollow Stem Auger Auger Size: 4.25 Rig Type: Failing, F-10 Sampling Method: Split Spoon Hammer Weight: 140 lbs. | Northing: 188785.66 Easting: 2160871.52 Borehole Depth: 97.0 Feet Ground Surface: 64.98 Feet Geologist: James C. Eicher | Well No: SB/HP-12 Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, Long Island |
|---|--|---|

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|---------------------------|-----------|---------------|-----------------|---------------------|----|----------------|--------------------------|-------------------|-----------------|--|---|
| gs elevation 64.98 ft. | | | | | | | | | | GROUND SURFACE | |
| | | 1 | | 8 16 18 28 | 34 | 1.4 | 0.0 0.0 0.0 0.0 | | | Augered through 0.5 ft. of concrete. Brown medium to coarse SAND and GRAVEL, moist. Brown/black fine to medium SAND, some angular coarse Gravel, trace fines (fill material), moist. | |
| | | 2 | | 17 18 5 10 | 23 | 0.0 | -- | | | Orange/brown fine to medium SAND, little medium to coarse subrounded Gravel (fill material), moist. | |
| 5 | 60 | 3 | | 12 11 10 8 | 21 | 1.5 | 0.7 1.1 2.4 0.8 | * | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, moist. | |
| | | 4 | | 8 4 5 5 | 9 | 1.0 | 1.5 1.9 0.6 | | | Head space analysis: 0-2 ft. 2.3 ppm/ 2-4 ft. -- ppm/ 4-6 ft. 3.4 ppm/ 6-8 ft. 2.4 ppm/ 8-10 ft. 3.5 ppm/ 10-12 ft. 0.8 ppm/ 12-14 ft. 0.6 ppm | |
| 0 | 55 | 5 | | 8 10 10 11 | 20 | 1.0 | 0.7 1.1 1.0 | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | ← Cement/bentonite grout to 97 ft. BGS. |
| | | 6 | | 5 4 5 6 | 9 | 0.8 | 0.7 0.4 | | | | |
| | | 7 | | 4 5 5 9 | 10 | 1.0 | 0.0 0.2 0.1 | * | | | |
| 5 | 50 | | | | | | | | | | |
| 20 | 45 | | | | | | | | | | |

| | | | | |
|--|---|------------------------|-----------|---------|
|  <p>BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists</p> | Remarks: TCL VOC soil samples were collected from 0.5 ft. interval with highest PID reading. Remainder of two ft. interval was analyzed for TCL SVOCs, PCBs, TAL inorganics, grain size, and TOC. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/03/99 | | 14.00 ▼ |

Client:
HWD Site Group

Well No: SB/HP-12

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 48 | 20 | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| 40 | 35 | | | | | | | | | |
| 30 | 30 | | | | | | | | | |
| 25 | 25 | | | | | | | | | |
| 20 | 20 | | | | | | | | | |
| 14.00 | 14.00 | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |

BBL
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engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/03/99 | | 14.00 ↓ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-12

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|--------------------------------------|------------------------------|----------------------|
| 5 | | | | | | | | | | |
| 51 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 56 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 61 | | | | | | | | | | |
| 0 | | | | | | | | | | |
| 66 | | | | | | | | | | |
| -5 | | | | | | | | | | |
| 73 | | | | | | | | | | |

← Cement/bentonite grout to 97 ft. BGS.

Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet.

← Cement/bentonite grout to 97 ft. BGS.



Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/03/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: SB/HP-12

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|---------------------|-----------------------------------|---|---|
| 78 | | | ✕ | | | | | | | |
| 83 | | | | | | | | | | |
| 88 | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| 89 | | | ✕ | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| | | | | | | | | | Boring terminated at 97.0 ft. BGS. | |

100 -35

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engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

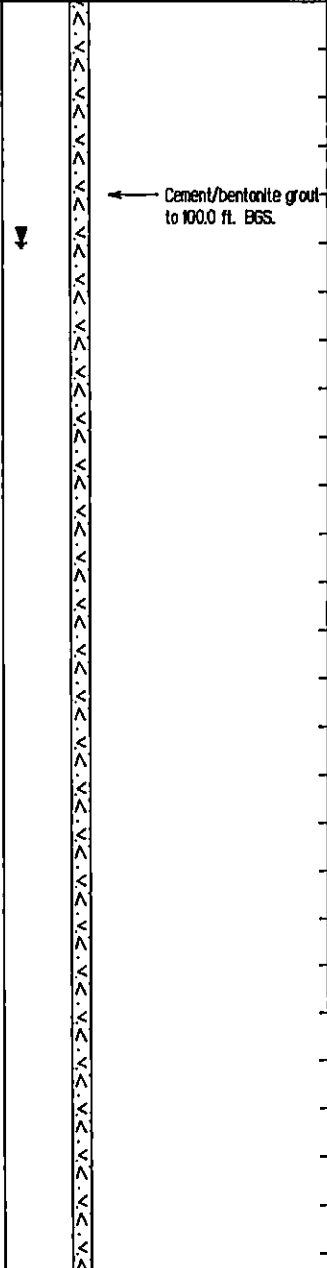
| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/03/99 | | 14.00 ↓ |
| | | |
| | | |

Client:
HWD Site Group

Well No: HP-13

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 100.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|----|----------------|------------------------|-------------------|-----------------|---|--|
| 55 | | | | | | | | | | | |
| 56 | | 1 | | 8 | | | 0.6 | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. |  |
| | | | | 10 | 20 | 13 | 1.3 | | | | |
| | | | | 10 | | | 2.4 | | | | |
| | | | | 12 | | | 1.3 | | | | |
| 50 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 40 | | | | | | | | | | | |
| 35 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |
| 15 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 0 | | | | | | | | | | | |
| 48 | | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

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Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.


Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/13/99 | -1 | 25.00 ▼ |
| | | |
| | | |

Client:
 HWD Site Group
Location:
 Hazardous Waste Disposal Site
 Farmingdale, Long Island

Well No: HP-13
Total Depth = 100.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|---------------------|-------------------|-----------------|---|--|
| 30 | | | | | | | | | | | ← Cement/bentonite grout to 100.0 ft. BGS. |
| 51 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 58 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |
| 61 | | | X | | | | | | | Zero recovery within Hydropunch. | |
| 15 | | | X | | | | | | | | |
| 68 | | | | | | | | | | | |
| 10 | | | | | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| 73 | 5 | | | | | | | | | | ← Cement/bentonite grout to 100.0 ft. BGS. |

| | | | | |
|---|--|------------------------|-----------|-------|
|  BBL BLASLAND, BOUCK & LEE, INC. <i>engineers & scientists</i> | Remarks: Hydropunch groundwater samples were collected for TCL VOC analysis. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/13/99 | -1 | 25.00 |

Client:
HWD Site Group
Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Well No: HP-13
Total Depth = 100.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|-------------------|-----------------|---------------------------|-------------------|
| 78 | 0 | | | | | | | | | | |
| 83 | -5 | | | | | | | | | | |
| 88 | -10 | | | | | | | | | | |
| 83 | -5 | | | | | | | | | | |
| | -20 | | | | | | | | | | |
| 100 | | | | | | | | | | | |

Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet.

← Cement/bentonite grout to 100.0 ft. BGS.

Boring terminated at 100.0 ft. BGS.

BBL
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engineers & scientists

Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|-------|
| 12/13/99 | -1 | 25.00 |
| | | |
| | | |

| | | |
|--|--|--|
| Date Start/Finish: 12/10/99 / 12/10/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligro Drilling Method: Hollow Stem Auger Auger Size: 4.25 Rig Type: Failing, F-10 Sampling Method: Split Spoon Hammer Weight: 140 lbs. | Northing: 188729.19 Easting: 2160782.46 Borehole Depth: 97.0 Feet Ground Surface: 65.64 Feet Geologist: James C. Eicher | Well No: HP-14 Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, Long Island |
|--|--|--|

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|---------------------------|-----------|---------------|-----------------|-------------------|----|----------------|------------------------|-------------------|-----------------|--|---|
| gs elevation 65.64 ft. | | | | | | | | | | GROUND SURFACE | |
| 65 | | | | | | | | | | Augered through 0.5 ft. of concrete. | |
| 5 | 60 | | | | | | | | | Auger to 12 ft. BGS, advance a split-spoon to verify depth to ground-water. | |
| 0 | 58 | | | | | | | | | | |
| 5 | 50 | 1 | | 8 8 8 10 | 14 | 14 | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet at bottom 0.4 ft. of split-spoon. | Cement/bentonite grout to 97 ft. BGS. |
| 20 | | | | | | | | | | | |

| | | | | |
|--|--|------------------------|-----------|-------|
| | Remarks: Hydropunch groundwater samples were collected for TCL VOC analysis. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/10/99 | | 14.00 |

Client:
HWD Site Group

Well No: HP-14

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|-------------------|-----------------|---------------------------|-------------------|
| 51 | 5 | | | | | | | | | | |
| 56 | 0 | | | | | | | | | | |
| 61 | 5 | | | | | | | | | | |
| 66 | 0 | | | | | | | | | | |
| 73 | 5 | | | | | | | | | | |

Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet.

← Cement/bentonite grout to 97 ft. BGS.

← Cement/bentonite grout to 97 ft. BGS.



Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

| Saturated Zones | | |
|-----------------|-----------|---------|
| Date / Time | Elevation | Depth |
| 12/10/99 | | 14.00 ▼ |
| | | |
| | | |

Client:
 HWD Site Group
 Location:
 Hazardous Waste Disposal Site
 Farmingdale, Long Island

Well No: HP-14
 Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 78 | | | ✕ | | | | | | | |
| 83 | | | | | | | | | | |
| 88 | | | | | | | | | | |
| 83 | | | ✕ | | | | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | ← Cement/bentonite grout to 97 ft. BGS. |
| | | | | | | | | | Boring terminated at 97.0 ft. BGS. | |

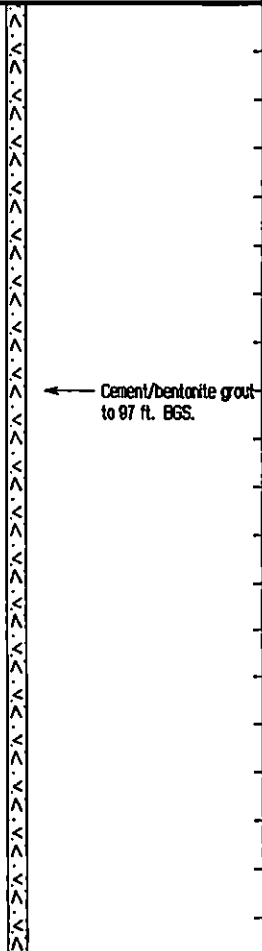
BBL
 BLASLAND, BOUCK & LEE, INC.
 engineers & scientists


Remarks:
 Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/10/99 | | 14.00 ▼ |
| | | |
| | | |

| | | |
|--|--|--|
| Date Start/Finish: 12/20/99 / 12/20/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligro Drilling Method: Hollow Stem Auger Auger Size: 4.25 Rig Type: Falling, F-10 Sampling Method: Split Spoon Hammer Weight: 140 lbs. | Northing: 188599.27 Easting: 2160944.18 Borehole Depth: 97.0 Feet Ground Surface: 65.64 Feet Geologist: James C. Eicher | Well No: HP-15 Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, Long Island |
|--|--|--|

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) | Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|---------------------------|-----------|---------------|-----------------|------------------|----|----------------|-----------|-----------|-------------------|-----------------|--|--|
| gs elevation 65.64 ft. | | | | | | | | | | | GROUND SURFACE | |
| 65 | | | | | | | | | | | Augered through 0.5 ft. of concrete. | |
| 60 | | | | | | | | | | | Auger to 12 ft. BGS, advance a split-spoon to verify depth to ground- water. | |
| 55 | | | | | | | | | | | | |
| 50 | | 1 | | 6 5 6 5 | 11 | 1.9 | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet at bottom 0.3 ft. of split-spoon. | |
| 20 | | | | | | | | | | | |  |

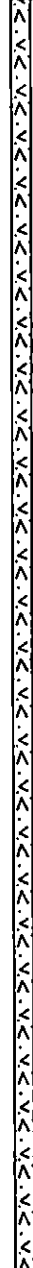
| | | | | |
|---|--|------------------------|-----------|---------|
|  | Remarks: Hydropunch groundwater samples were collected for TCL VOC analysis. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/20/99 | | 13.60 ▼ |

Client:
HWD Site Group

Well No: HP-15

Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|--------------------------------------|---|--|
| 45 | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. |  |
| 25 | 40 | | | | | | | | | |
| 30 | 35 | | | | | | | | | |
| 35 | | | | | | | | | | |
| 36 | 30 | | | | | | | | | |
| 40 | 25 | | | | | | | | | |
| 46 | 20 | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

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Remarks:

Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|----------|
| 12/20/99 | | 13.80' ↓ |
| | | |
| | | |

Client:
HWD Site Group
Location:
Hazardous Waste Disposal Site
Farmingdale, Long Island

Well No: HP-15
Total Depth = 97.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 51 | 75 | | | | | | | | | |
| 66 | 10 | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| 61 | 5 | | | | | | | | | |
| 66 | 0 | | | | | | | | | |
| | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| | -5 | | | | | | | | | ← Cement/bentonite grout to 97 ft. BGS. |
| 73 | | | | | | | | | | |

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engineers & scientists


Remarks:
Hydropunch groundwater samples were collected for TCL VOC analysis.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 12/20/99 | | 13.60 ▼ |
| | | |
| | | |

| | | |
|--|--|--|
| Date Start/Finish: 12/09/99 / 12/09/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligrio Drilling Method: Hollow Stem Auger Auger Size: 4.25 Rig Type: Failing, F-10 Hammer Weight: 140 lbs. | Northings: 188773.61 Eastings: 2160787.71 Borehole Depth: 14.0 Feet Ground Surface: 65.62 Feet Geologist: James C. Eicher | Well No: SB-18 Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, Long Island |
|--|--|--|

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|---------------------------|---------------|-----------------|-----------------------|----|----------------|------------------------|-------------------|-----------------|---|---|
| | gs elevation 65.62 ft. | | | | | | | | | GROUND SURFACE | |
| | 65 | 1 | X | 16 12 8 | 20 | 12 | 210 350 322 | * | | Augered through 0.5 ft. of concrete. Dark brown medium to coarse SAND and GRAVEL, little fines, moist, (sweet odor), wet. | |
| | | 2 | | 5 4 4 3 3 | 8 | 1.1 | 202 158 78 | | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, moist. | |
| 5 | 60 | 3 | | 4 5 4 5 | 9 | 1.3 | 190 210 99 | | | | |
| | | 4 | | 3 4 5 5 | 9 | 0.8 | 52 78 82 | | | | |
| | | 5 | | 4 4 5 4 | 9 | 1.2 | 10.3 15.7 20.5 | | | Head space analysis: 0-2 ft. 398 ppm/ 2-4 ft. 174 ppm/ 4-8 ft. 280 ppm/ 6-8 ft. 117 ppm/ 8-10 ft. 50.5 ppm/ 10-12 ft. 52.7 ppm/ 12-14 ft. 7.7 ppm | ← Cement/bentonite grout to 14 ft. BGS. |
| | 55 | 6 | | 3 4 3 3 | 7 | 1.0 | 20.1 22.4 8.9 | | | | |
| | | 7 | X | 4 8 6 5 | 14 | 1.1 | 2.1 3.5 3.5 | * | | Light tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |
| 5 | 50 | | | | | | | | | Boring terminated at 14.0 ft. BGS. | |

| | | | | |
|--|---|------------------------|-----------|---------|
|  BLASLAND, BOUCK & LEE, INC. <i>engineers & scientists</i> | Remarks: TCL VOC soil samples were collected from 0.5 ft. interval with highest PID reading. Remainder of two ft. interval was analyzed for TCL SVOCs, PCBs, TAL inorganics, grain size, and TOC. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 12/09/99 | | 14.00 ▼ |

| | | |
|---|--|---|
| Date Start/Finish: 12/27/99 / 12/27/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligrio Drilling Method: Hollow Stem Auger Auger Size: 10.25 Rig Type: Failing, F-10 Hammer Weight: 140 lbs. | Northing: 188928.66 Easting: 2160792.37 Borehole Depth: 65.0 Feet Ground Surface: 81.55 Feet Geologist: James C. Eicher | Well No: MW-1D Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, New York |
|---|--|---|

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|--------------------------|-----------|---------------|------------------|-------------|---|----------------|---------------------|-------------------|-----------------|---|-------------------|
| gs elevation 81.55 ft | | | | | | | | | | | |
| | | | | | | | | | | GROUND SURFACE | |
| 80 | | | | | | | | | | Light tannish brown medium to coarse subangular to subrounded well sorted SAND and GRAVEL, moist. | |
| 5 | | | | | | | | | | | |
| 75 | | | | | | | | | | | |
| 0 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 40 | | | | | | | | | | | |
| 35 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |

| | | | | |
|--|---|------------------------|-----------|---------|
| | Remarks: Screened interval was determined based on analytical results from hydropunch samples (HP-13) collected from four discrete intervals. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 01/04/00 | | 28.98 ▼ |
| | | | | |
| | | | | |

Client:
HWD Site Group

Well No: MW-1D

Location:
Hazardous Waste Disposal Site
Farmingdale, New York

Total Depth = 65.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 60 | | | | | | | | | Light tannish brown medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | 4 inch schedule 40 PVC riser. (2.5 ft. AGS - 55.0 ft. BGS.) Cement/bentonite grout. (10 ft. - 51.0 ft. BGS.) |
| 55 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 35 | | | | | | | | | Light tannish brown medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

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Remarks:

Screened interval was determined based on analytical results from hydropunch samples (HP-13) collected from four discrete intervals.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 01/04/00 | | 28.98 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: MW-1D

Location:
Hazardous Waste Disposal Site
Farmingdale, New York

Total Depth = 85.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | PID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|---------------------|-------------------|-----------------|--|---|
| 51 | 30 | | | | | | | | | | Cement/bentonite grout. (1.0 ft. - 51.0 ft. BGS.) Bentonite seal. (51.0 - 53.0 ft. BGS.) #01 Silica sand filter pack. (53.0 - 65.0 ft. BGS.) 4-inch schedule 40 PVC 0.02 inch slotted screen. (55.0 - 65.0 ft. BGS.) |
| 58 | 25 | | | | | | | | | | |
| 61 | 20 | | | | | | | | | | |
| 68 | 15 | | | | | | | | | Boring terminated, well set at 65.0 ft. BGS. | |
| 73 | 10 | | | | | | | | | | |

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Remarks:

Screened interval was determined based on analytical results from hydropunch samples (HP-13) collected from four discrete intervals.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 01/04/00 | | 28.98 ▼ |
| | | |
| | | |

| | | |
|---|--|---|
| Date Start/Finish: 12/28/99 / 12/28/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligrio Drilling Method: Hollow Stem Auger Auger Size: 10.25 Rig Type: Falling, F-10 Hammer Weight: 140 lbs. | Northing: 188728.14 Easting: 2160786.63 Borehole Depth: 50.0 Feet Ground Surface: 65.20 Feet Geologist: James C. Eicher | Well No: MW-2D Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, New York |
|---|--|---|

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | FID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|---------------------------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| gs elevation 65.20 ft. | | | | | | | | | GROUND SURFACE | |
| 65 | | | | | | | | | Augered through 0.5 ft. of concrete. | <p>Flush mount cover with locking churn plug. Cement pad to 10' BGS.</p> <p>4-inch schedule 40 PVC riser (0.3 - 40.0 ft BGS.)</p> <p>Cement/bentonite grout. (10 - 38.0 ft. BGS.)</p> |
| 5 | 60 | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, moist. | |
| 0 | 55 | | | | | | | | | |
| 5 | 50 | | | | | | | | | |
| 20 | | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

| | | | | |
|--|---|------------------------|-----------|---------|
| | Remarks: Screened interval was determined based on analytical results from hydropunch samples (HP-14) collected from four discrete intervals. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 01/03/00 | | 12.91 ▼ |
| | | | | |

Client:
HWD Site Group

Location:
Hazardous Waste Disposal Site
Farmingdale, New York

Well No: MW-2D

Total Depth = 50.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | FID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 0 | 5 | | | | | | | | | 4 inch schedule 40 PVC riser. (0.3 - 40.0 ft. BGS.) |
| 25 | 40 | | | | | | | | | |
| 30 | 35 | | | | | | | | | Cement/bentonite grout. (1.0 - 36.0 ft. BGS.) |
| 36 | 30 | | | | | | | | | Bentonite Seal (36.0 - 38.0 ft. BGS.) |
| 40 | 25 | | | | | | | | Tan medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | 01 Silica sand filter pack. (38.0 - 50.0 ft. BGS.) |
| 46 | 20 | | | | | | | | | |

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Remarks:

Screened interval was determined based on analytical results from hydropunch samples (HP-14) collected from four discrete intervals.

Saturated Zones

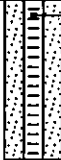
| Date / Time | Elevation | Depth |
|-------------|-----------|----------|
| 01/03/00 | | 12.91' ↓ |
| | | |
| | | |

Client:
HWD Site Group

Well No: MW-2D

Location:
Hazardous Waste Disposal Site
Farmingdale, New York

Total Depth = 50.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample / Int / Type | Blows / 6 In. | N | Recovery (ft.) | FID (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|---------------------|---------------|---|----------------|------------------------|-------------------|-----------------|--|---|
| 5 | | | | | | | | | | |  <p>4-inch schedule 40 PVC 0.020 inch slotted screen. (40.0 - 50.0 ft. BGS.)</p> |
| 51 | | | | | | | | | | Boring terminated, well set at 50.0 ft. BGS. | |
| 10 | | | | | | | | | | | |
| 66 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 61 | | | | | | | | | | | |
| 0 | | | | | | | | | | | |
| 68 | | | | | | | | | | | |
| -5 | | | | | | | | | | | |
| 73 | | | | | | | | | | | |

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Remarks:

Screened interval was determined based on analytical results from hydropunch samples (HP-14) collected from four discrete intervals.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|-------|
| 01/03/00 | | 12.91 |
| | | |
| | | |

| | | |
|--|--|---|
| Date Start/Finish: 12/29/99 / 12/30/99 Drilling Company: Delta Well and Pump Co. Driller's Name: Mike Pelligrio Drilling Method: Hollow Stem Auger Auger Size: 10.25 Rig Type: Falling, F-10 Sampling Method: Split Spoon Hammer Weight: 140 lbs. | Northing: 188599.50 Easting: 2160934.89 Borehole Depth: 50.0 Feet Ground Surface: 64.89 Feet Geologist: James C. Eicher | Well No: MW-3D Client: HWD Site Group Location: Hazardous Waste Disposal Site Farmingdale, New York |
|--|--|---|

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | FI0 (ppm) Headspace | Geotechnical Test | Geologic Column | Stratigraphic Description | Well Construction |
|-------|--------------------------|---------------|-----------------|-------------|---|----------------|------------------------|-------------------|-----------------|---|--|
| | gs elevation 64.89 ft | | | | | | | | | GROUND SURFACE | |
| 5 | 60 | | | | | | | | | Augered through 0.5 ft. of concrete. | <p>Flush mount cover with locking chum plug. Cement pad to 10' BGS.</p> <p>4-inch schedule 40 PVC riser (0.5 - 40.0 ft BGS.)</p> <p>Cement/bentonite grout (10 - 36.0 ft BGS.)</p> |
| 0 | 55 | | | | | | | | | Light tannish brown medium to coarse subangular to subrounded well sorted SAND and GRAVEL, moist. | |
| 6 | 50 | | | | | | | | | | |
| 20 | 45 | | | | | | | | | Light tannish brown medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | |

| | | | | |
|--|---|------------------------|-----------|-------|
| | Remarks: Screened interval was determined based on analytical results from hydropunch samples (HP-15) collected from four discrete intervals. | Saturated Zones | | |
| | | Date / Time | Elevation | Depth |
| | | 01/03/00 | | 12.88 |

Client:
HWD Site Group

Well No: MW-3D
Total Depth = 50.0 ft.

Location:
Hazardous Waste Disposal Site
Farmingdale, New York

| DEPTH | ELEVATION | Sample Number | Sample/Int./Type | Blows/6 In. | N | Recovery (ft.) | FID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|------------------|-------------|---|----------------|------------------------|--------------------------------------|---|---|
| 48 | 40 | | | | | | | | | 4 inch schedule 40 PVC riser. (0.5 - 40.0 ft. BGS.) |
| 30 | 35 | | | | | | | | | Cement/bentonite grout. (1.0 - 36.0 ft. BGS.) |
| 36 | 30 | | | | | | | | | Bentonite Seal (36.0 - 38.0 ft. BGS.) |
| 40 | 25 | | | | | | | | Light tannish brown medium to coarse subangular to subrounded well sorted SAND and GRAVEL, wet. | 01 Silica sand filter pack. (38.0 - 50.0 ft. BGS.) |
| 48 | 20 | | | | | | | | | |

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Remarks:

Screened interval was determined based on analytical results from hydropunch samples (HP-15) collected from four discrete intervals.

Saturated Zones

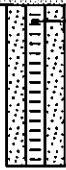
| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 01/03/00 | | 12.88 ▼ |
| | | |
| | | |

Client:
HWD Site Group

Well No: MW-3D

Location:
Hazardous Waste Disposal Site
Farmingdale, New York

Total Depth = 50.0 ft.

| DEPTH | ELEVATION | Sample Number | Sample/Int/Type | Blows/6 In. | N | Recovery (ft.) | FID (ppm) Headspace | Geotechnical Test Geologic Column | Stratigraphic Description | Well Construction |
|-------|-----------|---------------|-----------------|-------------|---|----------------|------------------------|--------------------------------------|--|---|
| 5 | | | | | | | | | |  <p>4-inch schedule 40 PVC 0.020 inch slotted screen. (40.0 - 50.0 ft. BGS.)</p> |
| 50 | | | | | | | | | Boring terminated, well set at 50.0 ft. BGS. | |
| 10 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 0 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| -5 | | | | | | | | | | |
| 73 | | | | | | | | | | |

BBL
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Remarks:

Screened interval was determined based on analytical results from hydropunch samples (HP-15) collected from four discrete intervals.

Saturated Zones

| Date / Time | Elevation | Depth |
|-------------|-----------|---------|
| 01/03/00 | | 12.86 ▼ |
| | | |
| | | |

APPENDIX E
GROUND-WATER SAMPLING LOGS

Appendix E
Ground Water Sampling Logs
Remedial Investigation Report
Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Well Number: MW-1 | | Well Depth (ft): 31.06 | | Reference Point: Top of Inner Casing | | | | |
|--------------------------------|---------|------------------------|---------------|---|-----------------|------------------------------------|-----------------------|---------------------------|
| Date: January 20, 2000 | | Screen Length (ft): 15 | | Initial Water Level (ft): 28.19 | | | | |
| Sampling Device: Teflon Bailer | | Well Diameter (in): 2 | | Purging Device: 1 (7/8) inch Stainless Steel Submersible Pump | | | | |
| Sampling Personnel: BRH, JCE | | Casing Type: PVC | | Tubing Type: Polyethylene | | | | |
| Sample Time: 12:32 | | | | Total Volume Purged: 2.5 gallons | | | | |
| Time | pH (SU) | Temp. (degrees C) | Cond. (mS/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | Oxidation Reduction Potential (mV) | Depth to Water (feet) | Comments |
| 13:01 | 6.32 | 14.22 | 0.189 | 8.24 | 200 | 222 | 28.25 | Odorless, Slightly Turbid |
| 13:02 | 6.28 | 15.21 | 0.183 | 8.93 | 15 | 225 | 28.25 | Odorless, Less Turbid |
| 13:03 | 6.26 | 15.48 | 0.179 | 9.74 | 5 | 241 | 28.25 | Odorless, Less Turbid |
| 13:04 | 6.28 | 15.57 | 0.181 | 10.16 | 5 | 249 | 28.25 | Odorless, Less Turbid |
| 13:05 | 6.27 | 15.52 | 0.179 | 10.22 | 4 | 254 | 28.25 | Odorless, Less Turbid |
| 13:20 | 6.29 | 15.17 | 0.177 | 9.25 | 6 | 276 | 28.25 | Odorless, Less Turbid |

Notes:

SU - Standard Units

mS/cm - milliSiemens per centimeter

NTUs - Nephelometric Turbidity Units

mg/L - milligrams per liter

mV - millivolts

Depths are measured in feet and referenced from top of inner casing.

a = The monitoring well construction logs for wells MW-2 and MW-3 indicate the well screen was installed from 7 to 22 feet below ground surface (15-foot screen length); however, the Gibbs & Hill December 1991 report states the well screens are 10-feet in length.

Appendix E
Ground Water Sampling Logs
Remedial Investigation Report
Hazardous Waste Disposal, Inc.
Farmingdale, New York

| | | | | | |
|--------------------------------|--|------------------------|--|---|--|
| Well Number: MW-1D | | Well Depth (ft): 68.51 | | Reference Point: Top of Inner Casing | |
| Date: January 20, 2000 | | Screen Length (ft): 10 | | Initial Water Level (ft): 29.09 | |
| Sampling Device: Teflon Bailer | | Well Diameter (in): 4 | | Purging Device: 1 (7/8) inch Stainless Steel Submersible Pump | |
| Sampling Personnel: BRH, JCE | | Casing Type: PVC | | Tubing Type: Polyethylene | |
| Sample Time: 12:32 | | | | Total Volume Purged: 80 gallons | |

| Time | pH (SU) | Temp. (degrees C) | Cond. (mS/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | Oxidation Reduction Potential (mV) | Depth to Water (feet) | Comments |
|-------|---------|-------------------|---------------|-------------------------|-----------------|------------------------------------|-----------------------|---------------------|
| 12:02 | 6.71 | 13.66 | 0.135 | 9.12 | 10 | 278 | 29.18 | Odorless, Colorless |
| 12:05 | 6.58 | 13.97 | 0.264 | 7.22 | 11 | 319 | 29.19 | Odorless, Colorless |
| 12:08 | 6.55 | 13.84 | 0.262 | 8.10 | 10 | 312 | 29.19 | Odorless, Colorless |
| 12:11 | 6.33 | 14.29 | 0.270 | 5.23 | 8 | 304 | 29.19 | Odorless, Colorless |
| 12:14 | 6.30 | 14.36 | 0.272 | 6.13 | 10 | 296 | 29.19 | Odorless, Colorless |
| 12:17 | 6.32 | 14.34 | 0.268 | 4.16 | 8 | 286 | 29.19 | Odorless, Colorless |
| 12:20 | 6.35 | 14.34 | 0.268 | 3.99 | 8 | 278 | 29.19 | Odorless, Colorless |
| 12:23 | 6.35 | 14.33 | 0.269 | 3.81 | 7 | 271 | 29.19 | Odorless, Colorless |
| 12:26 | 6.35 | 14.39 | 0.270 | 2.51 | 7 | 264 | 29.19 | Odorless, Colorless |
| 12:29 | 6.35 | 14.26 | 0.269 | 3.37 | 8 | 260 | 29.19 | Odorless, Colorless |
| 12:48 | 6.35 | 14.38 | 0.268 | 1.95 | 8 | 246 | 29.19 | Odorless, Colorless |

Notes:

SU - Standard Units

mS/cm - milliSiemens per centimeter

NTUs - Nephelometric Turbidity Units

mg/L - milligrams per liter

mV - millivolts

Depths are measured in feet and referenced from top of inner casing.

a = The monitoring well construction logs for wells MW-2 and MW-3 indicate the well screen was installed from 7 to 22 feet below ground surface (15-foot screen length); however, the Gibbs & Hill December 1991 report states the well screens are 10-feet in length.

Appendix E
Ground Water Sampling Logs
Remedial Investigation Report
Hazardous Waste Disposal, Inc.
Farmingdale, New York

| | | | | | |
|--------------------------------|--|-------------------------|--|---|--|
| Well Number: MW-2 | | Well Depth (ft): 21.87 | | Reference Point: Top of Inner Casing | |
| Date: January 20, 2000 | | Screen Length (ft): 15a | | Initial Water Level (ft): 13.19 | |
| Sampling Device: Teflon Bailer | | Well Diameter (in): 2 | | Purging Device: 1 (7/8) inch Stainless Steel Submersible Pump | |
| Sampling Personnel: BRH, JCE | | Casing Type: PVC | | Tubing Type: Polyethylene | |
| Sample Time: 08:05 | | | | Total Volume Purged: 6.5 gallons | |

| Time | pH (SU) | Temp. (degrees C) | Cond. (mS/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | Oxidation Reduction Potential (mV) | Depth to Water (feet) | Comments |
|-------|---------|-------------------|---------------|-------------------------|-----------------|------------------------------------|-----------------------|---------------------|
| 07:58 | 6.76 | 8.90 | 0.159 | 10.72 | 55 | 340 | 13.22 | Odorless, Colorless |
| 08:00 | 6.36 | 11.59 | 0.169 | 10.81 | 32 | 302 | 13.22 | Odorless, Colorless |
| 08:02 | 6.10 | 13.26 | 0.168 | 9.89 | 10 | 305 | 13.22 | Odorless, Colorless |
| 08:22 | 6.15 | 12.96 | 0.163 | 8.99 | 11 | 303 | 13.22 | Odorless, Colorless |

Notes:

SU - Standard Units

mS/cm - milliSiemens per centimeter

NTUs - Nephelometric Turbidity Units

mg/L - milligrams per liter

mV - millivolts

Depths are measured in feet and referenced from top of inner casing.

a = The monitoring well construction logs for wells MW-2 and MW-3 indicate the well screen was installed from 7 to 22 feet below ground surface (15-foot screen length); however, the Gibbs & Hill December 1991 report states the well screens are 10-feet in length.

Appendix E
Ground Water Sampling Logs
Remedial Investigation Report
Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Well Number: MW-2D | | Well Depth (ft): 49.36 | | Reference Point: Top of Inner Casing | | | | |
|--------------------------------|---------|------------------------|---------------|---|-----------------|------------------------------------|-----------------------|---------------------|
| Date: January 20, 2000 | | Screen Length (ft): 10 | | Initial Water Level (ft): 12.94 | | | | |
| Sampling Device: Teflon Bailer | | Well Diameter (in): 4 | | Purging Device: 1 (7/8) inch Stainless Steel Submersible Pump | | | | |
| Sampling Personnel: BRH, JCE | | Casing Type: PVC | | Tubing Type: Polyethylene | | | | |
| Sample Time: 09:00 | | | | Total Volume Purged: 75 gallons | | | | |
| Time | pH (SU) | Temp. (degrees C) | Cond. (mS/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | Oxidation Reduction Potential (mV) | Depth to Water (feet) | Comments |
| 08:28 | 8.95 | 10.59 | 0.230 | 8.07 | 1 | 116 | 12.94 | Odorless, Colorless |
| 08:32 | 9.18 | 13.50 | 0.234 | 6.08 | 1 | 80 | 12.94 | Odorless, Colorless |
| 08:36 | 7.98 | 13.91 | 0.246 | 8.06 | 4 | 270 | 12.94 | Odorless, Colorless |
| 08:40 | 6.43 | 13.58 | 0.286 | 5.64 | 2 | 322 | 12.94 | Odorless, Colorless |
| 08:44 | 5.98 | 13.70 | 0.295 | 5.33 | 2 | 317 | 12.94 | Odorless, Colorless |
| 08:48 | 5.88 | 14.05 | 0.295 | 4.94 | 2 | 305 | 12.94 | Odorless, Colorless |
| 08:52 | 5.84 | 14.30 | 0.294 | 3.28 | 2 | 305 | 12.94 | Odorless, Colorless |
| 08:56 | 5.83 | 14.10 | 0.296 | 3.38 | 2 | 303 | 12.94 | Odorless, Colorless |
| 09:10 | 5.85 | 13.79 | 0.296 | 2.56 | 1 | 301 | 12.94 | Odorless, Colorless |

Notes:

SU - Standard Units

mS/cm - milliSiemens per centimeter

NTUs - Nephelometric Turbidity Units

mg/L - milligrams per liter

mV - millivolts

Depths are measured in feet and referenced from top of inner casing.

a = The monitoring well construction logs for wells MW-2 and MW-3 indicate the well screen was installed from 7 to 22 feet below ground surface (15-foot screen length); however, the Gibbs & Hill December 1991 report states the well screens are 10-feet in length.

| | | | | | |
|--------------------------------|--|-------------------------|--|---|--|
| Well Number: MW-3 | | Well Depth (ft): 21.66 | | Reference Point: Top of Inner Casing | |
| Date: January 20, 2000 | | Screen Length (ft): 15a | | Initial Water Level (ft): 15.69 | |
| Sampling Device: Teflon Bailer | | Well Diameter (in): 2 | | Purging Device: 1 (7/8) inch Stainless Steel Submersible Pump | |
| Sampling Personnel: BRH, JCE | | Casing Type: PVC | | Tubing Type: Polyethylene | |
| Sample Time: 15:50 | | | | Total Volume Purged: 4 gallons | |

| Time | pH | Temp. (degrees C) | Cond. (mS/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | Oxidation Reduction Potential mV | Depth to Water (feet) | Comments |
|-------|------|----------------------|------------------|-------------------------------|--------------------|--|-----------------------------|--------------------------|
| 15:40 | 6.67 | 10.11 | 0.732 | 9.09 | 800 | -69 | 15.69 | Black Stain, Slight odor |
| 15:42 | 6.81 | 13.74 | 0.552 | 5.70 | 380 | -83 | 15.69 | Light gray stain, Odor |
| 15:44 | 6.72 | 15.22 | 0.490 | 4.53 | 20 | -89 | 15.69 | Colorless, Odor |
| 15:46 | 6.69 | 15.71 | 0.482 | 3.39 | 16 | -88 | 15.69 | Colorless, Odor |
| 15:48 | 6.76 | 15.83 | 0.478 | 4.90 | 10 | -93 | 15.69 | Colorless, Odor |
| 16:00 | 6.72 | 15.56 | 0.472 | 3.87 | 11 | -91 | 15.69 | Colorless, Odor |

Notes:

SU - Standard Units

mS/cm - milliSiemens per centimeter

NTUs - Nephelometric Turbidity Units

mg/L - milligrams per liter

mV - millivolts

Depths are measured in feet and referenced from top of inner casing.

a = The monitoring well construction logs for wells MW-2 and MW-3 indicate the well screen was installed from 7 to 22 feet below ground surface (15-foot screen length); however, the Gibbs & Hill December 1991 report states the well screens are 10-feet in length.

Appendix E
Ground Water Sampling Logs
Remedial Investigation Report
Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Well Number: MW-3D | | Well Depth (ft): 49.71 | | Reference Point: Top of Inner Casing | | | | |
|--------------------------------|------|------------------------|------------------|---|--------------------|--|-----------------------------|---------------------|
| Date: January 20, 2000 | | Screen Length (ft): 10 | | Initial Water Level (ft): 12.96 | | | | |
| Sampling Device: Teflon Bailer | | Well Diameter (in): 4 | | Purging Device: 1 (7/8) inch Stainless Steel Submersible Pump | | | | |
| Sampling Personnel: BRH, JCE | | Casing Type: PVC | | Tubing Type: Polyethylene | | | | |
| Sample Time: 15:00 | | | | Total Volume Purged: 75 gallons | | | | |
| Time | pH | Temp. (degrees C) | Cond. (mS/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | Oxidation Reduction Potential mV | Depth to Water (feet) | Comments |
| 14:32 | 7.27 | 14.72 | 0.153 | 7.91 | 10 | 21 | 12.96 | Colorless, Odorless |
| 14:36 | 6.89 | 14.61 | 0.234 | 5.14 | 19 | 105 | 12.96 | Colorless, Odorless |
| 14:40 | 6.54 | 14.90 | 0.258 | 6.72 | 12 | 133 | 12.96 | Colorless, Odorless |
| 14:44 | 6.51 | 14.66 | 0.264 | 7.34 | 15 | 143 | 12.96 | Colorless, Odorless |
| 14:48 | 6.49 | 13.95 | 0.267 | 7.31 | 12 | 154 | 12.96 | Colorless, Odorless |
| 14:52 | 6.49 | 14.41 | 0.265 | 4.81 | 17 | 158 | 12.96 | Colorless, Odorless |
| 14:56 | 6.46 | 14.43 | 0.265 | 4.29 | 11 | 163 | 12.96 | Colorless, Odorless |
| 15:16 | 6.46 | 14.42 | 0.265 | 4.53 | 10 | 160 | 12.96 | Colorless, Odorless |

Notes:

SU - Standard Units

mS/cm - milliSiemens per centimeter

NTUs - Nephelometric Turbidity Units

mg/L - milligrams per liter

mV - millivolts

Depths are measured in feet and referenced from top of inner casing.

a = The monitoring well construction logs for wells MW-2 and MW-3 indicate the well screen was installed from 7 to 22 feet below ground surface (15-foot screen length); however, the Gibbs & Hill December 1991 report states the well screens are 10-feet in length.

Appendix E
Ground Water Sampling Logs
Remedial Investigation Report
Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Well Number: MWV-4 | | Well Depth (ft): 24.19 | | Reference Point: Top of Inner Casing | | | | |
|--------------------------------|------|------------------------|---------------|---|-----------------|----------------------------------|-----------------------|-------------------------------|
| Date: January 20, 2000 | | Screen Length (ft): 15 | | Initial Water Level (ft): 17.45 | | | | |
| Sampling Device: Teflon Bailer | | Well Diameter (in): 4 | | Purging Device: 1 (7/8) inch Stainless Steel Submersible Pump | | | | |
| Sampling Personnel: BRH, JCE | | Casing Type: PVC | | Tubing Type: Polyethylene | | | | |
| Sample Time: 14:02 | | | | Total Volume Purged: 4.5 gallons | | | | |
| Time | pH | Temp. (degrees C) | Cond. (mS/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | Oxidation Reduction Potential mV | Depth to Water (feet) | Comments |
| 13:51 | 6.45 | 13.44 | 0.381 | 7.37 | 44 | -6 | 17.45 | Slight odor, Slight turbidity |
| 13:53 | 6.55 | 14.81 | 0.371 | 5.00 | 11 | -19 | 17.45 | Slight odor |
| 13:55 | 6.55 | 15.53 | 0.368 | 5.21 | 5 | -27 | 17.45 | Slight odor |
| 13:57 | 6.57 | 15.78 | 0.367 | 4.64 | 8 | -29 | 17.45 | Slight odor |
| 13:59 | 6.63 | 15.74 | 0.363 | 3.56 | 5 | -46 | 17.45 | Slight odor |
| 14:15 | 6.66 | 15.49 | 0.362 | 2.57 | 4 | -57 | 17.45 | Slight odor |

Notes:

SU - Standard Units

mS/cm - milliSiemens per centimeter

NTUs - Nephelometric Turbidity Units

mg/L - milligrams per liter

mV - millivolts

Depths are measured in feet and referenced from top of inner casing.

a = The monitoring well construction logs for wells MWV-2 and MWV-3 indicate the well screen was installed from 7 to 22 feet below ground surface (15-foot screen length); however, the Gibbs & Hill December 1991 report states the well screens are 10-feet in length.

Appendix E
Ground Water Sampling Logs
Remedial Investigation Report
Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Well Number: MW-5 | | Well Depth (ft): 31.91 | | Reference Point: Top of Inner Casing | | | | |
|--------------------------------|---------|-----------------------------|---------------|---|-----------------|------------------------------------|-----------------------|---------------------|
| Date: January 20, 2000 | | Screen Length (ft): Unknown | | Initial Water Level (ft): 26.21 | | | | |
| Sampling Device: Teflon Bailer | | Well Diameter (in): 4 | | Purging Device: 1 (7/8) inch Stainless Steel Submersible Pump | | | | |
| Sampling Personnel: BRH, JCE | | Casing Type: PVC | | Tubing Type: Polyethylene | | | | |
| Sample Time: 11:35 | | | | Total Volume Purged: 15 gallons | | | | |
| Time | pH (SU) | Temp. (degrees C) | Cond. (mS/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | Oxidation Reduction Potential (mV) | Depth to Water (feet) | Comments |
| 11:23 | 5.83 | 12.49 | 0.082 | 9.52 | 10 | 329 | 26.24 | Odorless, Colorless |
| 11:26 | 5.50 | 14.73 | 0.082 | 9.07 | 8 | 335 | 26.24 | Odorless, Colorless |
| 11:29 | 5.70 | 15.30 | 0.082 | 9.02 | 9 | 322 | 26.24 | Odorless, Colorless |
| 11:32 | 5.84 | 15.56 | 0.083 | 9.02 | 8 | 314 | 26.24 | Odorless, Colorless |
| 11:45 | 5.92 | 15.39 | 0.084 | 8.10 | 9 | 316 | 26.24 | Odorless, Colorless |

Notes:

SU - Standard Units

mS/cm - milliSiemens per centimeter

NTUs - Nephelometric Turbidity Units

mg/L - milligrams per liter

mV - millivolts

Depths are measured in feet and referenced from top of inner casing.

a = The monitoring well construction logs for wells MW-2 and MW-3 indicate the well screen was installed from 7 to 22 feet below ground surface (15-foot screen length); however, the Gibbs & Hill December 1991 report states the well screens are 10-feet in length.

Appendix E
Ground Water Sampling Logs
Remedial Investigation Report
Hazardous Waste Disposal, Inc.
Farmingdale, New York

| Well Number: MW-6 | | Well Depth (ft): 27.68 | | Reference Point: Top of Inner Casing | | | | |
|--------------------------------|---------|-----------------------------|---------------|---|-----------------|----------------------------------|-----------------------|---------------------|
| Date: January 20, 2000 | | Screen Length (ft): Unknown | | Initial Water Level (ft): 15.32 | | | | |
| Sampling Device: Teflon Bailer | | Well Diameter (in): 4 | | Purging Device: 1 (7/8) inch Stainless Steel Submersible Pump | | | | |
| Sampling Personnel: BRH, JCE | | Casing Type: PVC | | Tubing Type: Polyethylene | | | | |
| Sample Time: 09:50 | | | | Total Volume Purged: 25 gallons | | | | |
| Time | pH (SU) | Temp. (degrees C) | Cond. (mS/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | Oxidation Reduction Potential mV | Depth to Water (feet) | Comments |
| 09:27 | 5.64 | 11.67 | 0.170 | 8.22 | 5 | 310 | 15.32 | Odorless, Colorless |
| 09:31 | 5.52 | 13.73 | 0.165 | 8.70 | 6 | 317 | 15.32 | Odorless, Colorless |
| 09:35 | 5.55 | 14.40 | 0.164 | 8.38 | 5 | 311 | 15.32 | Odorless, Colorless |
| 09:39 | 5.62 | 15.78 | 0.164 | 8.42 | 5 | 304 | 15.32 | Odorless, Colorless |
| 09:43 | 5.90 | 14.95 | 0.164 | 8.73 | 4 | 293 | 15.32 | Odorless, Colorless |
| 09:47 | 6.11 | 14.40 | 0.164 | 8.96 | 4 | 293 | 15.32 | Odorless, Colorless |
| 10:04 | 6.00 | 13.88 | 0.163 | 8.56 | 4 | 306 | 15.32 | Odorless, Colorless |

Notes:

SU - Standard Units

mS/cm - milliSiemens per centimeter

NTUs - Nephelometric Turbidity Units

mg/L - milligrams per liter

mV - millivolts

Depths are measured in feet and referenced from top of inner casing.

a = The monitoring well construction logs for wells MW-2 and MW-3 indicate the well screen was installed from 7 to 22 feet below ground surface (15-foot screen length); however, the Gibbs & Hill December 1991 report states the well screens are 10-feet in length.

APPENDIX F
DAILY AIR MONITORING LOGS

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|----|-----|
| 11 | 12 |
| 13 | 14 |
| 15 | 16 |
| 17 | 18 |
| 19 | 20 |
| 21 | 22 |
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| 29 | 30 |
| 31 | 32 |
| 33 | 34 |
| 35 | 36 |
| 37 | 38 |
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| 75 | 76 |
| 77 | 78 |
| 79 | 80 |
| 81 | 82 |
| 83 | 84 |
| 85 | 86 |
| 87 | 88 |
| 89 | 90 |
| 91 | 92 |
| 93 | 94 |
| 95 | 96 |
| 97 | 98 |
| 99 | 100 |

DAILY AIR MONITORING LOG

| Project: HWD Site | | Date: 12-10-99>12-20-99 | |
|--|----------|--|--------------------|
| Monitoring Instrument: Mini Ram | | Activity: Soil/Ground Water RI/FS | |
| Air Monitor: Dust Monitor | | Units: mg/m ³ | |
| Time/Date | Location | Instrument Reading | Instrument Reading |
| 0840/12-10-99 | Rig Side | Concentration: 0.000 | TWA: 0.013 |
| 1615/12-10-99 | Rig Side | Concentration: 0.234 | TWA: 0.187 |
| 0905/12-13-99 | Rig Side | Concentration: 0.023 | TWA: 0.031 |
| 1625/12-13-99 | Rig Side | Concentration: 0.157 | TWA: 0.094 |
| 0900/12-14-99 | Rig Side | Concentration: 0.000 | TWA: 0.015 |
| 1600/12-14-99 | Rig Side | Concentration: 0.083 | TWA: 0.117 |
| 0800/12-15-99 | Rig Side | Concentration: 0.021 | TWA: 0.011 |
| 1630/12-15-99 | Rig Side | Concentration: 0.133 | TWA: 0.106 |
| 0903/12-16-99 | Rig Side | Concentration: 0.000 | TWA: 0.063 |
| 1650/12-16-99 | Rig Side | Concentration: 0.174 | TWA: 0.203 |
| 0815/12-17-99 | Rig Side | Concentration: 0.000 | TWA: 0.037 |
| 1300/12-17-99 | Rig Side | Concentration: 0.146 | TWA: 0.100 |
| 1000/12-20-99 | Rig Side | Concentration: 0.164 | TWA: 0.089 |
| 1630/12-20-99 | Rig Side | Concentration: 0.087 | TWA: 0.114 |

Notes: TWA - Time Weighted Average

| Year | Month | Day | Time | Location | Remarks |
|------|-------|-----|-------|----------|---------|
| 1920 | 11 | 1 | 10:00 | ... | ... |
| 1920 | 11 | 2 | 10:00 | ... | ... |
| 1920 | 11 | 3 | 10:00 | ... | ... |
| 1920 | 11 | 4 | 10:00 | ... | ... |
| 1920 | 11 | 5 | 10:00 | ... | ... |
| 1920 | 11 | 6 | 10:00 | ... | ... |
| 1920 | 11 | 7 | 10:00 | ... | ... |
| 1920 | 11 | 8 | 10:00 | ... | ... |
| 1920 | 11 | 9 | 10:00 | ... | ... |
| 1920 | 11 | 10 | 10:00 | ... | ... |
| 1920 | 11 | 11 | 10:00 | ... | ... |
| 1920 | 11 | 12 | 10:00 | ... | ... |
| 1920 | 11 | 13 | 10:00 | ... | ... |
| 1920 | 11 | 14 | 10:00 | ... | ... |
| 1920 | 11 | 15 | 10:00 | ... | ... |
| 1920 | 11 | 16 | 10:00 | ... | ... |
| 1920 | 11 | 17 | 10:00 | ... | ... |
| 1920 | 11 | 18 | 10:00 | ... | ... |
| 1920 | 11 | 19 | 10:00 | ... | ... |
| 1920 | 11 | 20 | 10:00 | ... | ... |
| 1920 | 11 | 21 | 10:00 | ... | ... |
| 1920 | 11 | 22 | 10:00 | ... | ... |
| 1920 | 11 | 23 | 10:00 | ... | ... |
| 1920 | 11 | 24 | 10:00 | ... | ... |
| 1920 | 11 | 25 | 10:00 | ... | ... |
| 1920 | 11 | 26 | 10:00 | ... | ... |
| 1920 | 11 | 27 | 10:00 | ... | ... |
| 1920 | 11 | 28 | 10:00 | ... | ... |
| 1920 | 11 | 29 | 10:00 | ... | ... |
| 1920 | 11 | 30 | 10:00 | ... | ... |

...

DAILY AIR MONITORING LOG

| Project: HWD Site | | Date: 12-21-99> | |
|--|----------|--|--------------------|
| Monitoring Instrument: Mini Ram | | Activity: Soil/Ground Water RI/FS | |
| Air Monitor: Dust Monitor | | Units: mg/m ³ | |
| Time/Date | Location | Instrument Reading | Instrument Reading |
| 0800/12-21-99 | Rig Side | Concentration: 0.003 | TWA: 0.007 |
| 1635/12-21-99 | Rig Side | Concentration: 0.141 | TWA: 0.055 |
| 0735/12-22-99 | Rig Side | Concentration: 0.000 | TWA: 0.000 |
| 1300/12-22-99 | Rig Side | Concentration: 0.009 | TWA: 0.006 |
| 0830/12-27-99 | Rig Side | Concentration: 0.000 | TWA: 0.004 |
| 1450/12-27-99 | Rig Side | Concentration: 0.264 | TWA: 0.173 |
| 1615/12-27-99 | Rig Side | Concentration: 0.218 | TWA: 0.197 |
| 0900/12-28-99 | Rig Side | Concentration: 0.000 | TWA: 0.013 |
| 1625/12-28-99 | Rig Side | Concentration: 0.144 | TWA: 0.077 |
| 0800/12-29-99 | Rig Side | Concentration: 0.000 | TWA: 0.106 |
| 1630/12-29-99 | Rig Side | Concentration: 0.134 | TWA: 0.099 |
| 0750/12-30-99 | Rig Side | Concentration: 0.000 | TWA: 0.000 |
| 1130/12-30-99 | Rig Side | Concentration: 0.026 | TWA: 0.048 |

Notes: TWA - Time Weighted Average