LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

# Appendix 11

## Data Usability Study Reports (DUSRs)

# Data Usability Summary Report (DUSR)

City of Rochester
Labella Project #210173

Chemtech, Mountainside, New Jersey
Sample Delivery Group #B2986
August 17, 2010

Prepared by:

Ethan Lee

Emily Gillen
LaBella Associates, P.C.
300 State St
Rochester, NY 14614

Analytical results for the project samples were reviewed to evaluate the data usability. Data was assessed in accordance with guidance from the following Federal and/or State guidance documents:

- USEPA National Functional Guidelines for Organic Data Review (EPA 540/R-99/008) and/or USEPA National Functional Guidelines for Low Concentration Organic Data Review (EPA 540-R-04-004).

And method protocol criteria were applicable as prescribed by "Test Methods for Evaluating Solid Waste", SW846, Update III, 1996.

This DUSR pertains to the following samples:

| Sample ID | Lab ID | Matrix | Sample Date | Analysis Performed |
|---|---|---|---|---|
| | | | | VOC[1] |
| GMX-MW-1 | B2986-01 | AQ | 7/14/10 | X |
| GMX-MW-2 | B2986-02 | AQ | 7/13/10 | X |
| GMX-MW-3 | B2986-03 | AQ | 7/13/10 | X |
| GMX-MW-4 | B2986-04 | AQ | 7/13/10 | X |
| GMX-MW-5 | B2986-05 | AQ | 7/13/10 | X |
| P-5 | B2986-08 | AQ | 7/14/10 | X |
| MW-7 | B2986-09 | AQ | 7/14/10 | X |
| MW-5 | B2986-10 | AQ | 7/14/10 | X |
| GW-5 | B2986-11 | AQ | 7/14/10 | X |
| P-1 | B2986-12 | AQ | 7/14/10 | X |
| DUP-1 | B2986-13 | AQ | 7/14/10 | X |
| FB-1 | B2986-14 | AQ | 7/14/10 | X |
| TRIPBLANK | B2986-15 | AQ | 7/14/10 | X |
| RB-1 | B2986-16 | AQ | 7/13/10 | X |
| GMX-MW-6S | B2986-17 | AQ | 7/13/10 | X |
| GMX-MW-6D | B2986-18 | AQ | 7/14/10 | X |

(1) VOC analyses were performed using USEPA Method SW846 8260B.

The following items/criteria applicable to the analysis of project samples and associated QA/QC procedures were reviewed:

- Sample Data Reporting Format
- Preservation and Holding Time Compliance
- GC/MS Instrument Performance Check
- Initial Calibration Verification (ICV)
- Continuing Calibration Verification (CCV)
- Blank Sample Analysis
- System Monitoring/Surrogate Compound Recoveries
- Laboratory Control Sample (LCS) Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- Internal Standards
- Target Compound Identification
- Compound Quantitation
- Data Qualifiers
- Summary

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 10 times (10X) the amount in any blank for the common laboratory contaminants (methylene chloride, acetone, 2-butanone, cyclohexane), or 5 times (5X) the amount for other target compounds.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses, with the following exceptions:

| Blank | Target Analyte(s) | Conc. | Affected Sample(s) | Flag sample results with a "U" if ≤ this value |
|---|---|---|---|---|
| FB-1 | Chloromethane | 1.4 ug/L | GMX-MW-1<br>P-5<br>MW-7<br>MW-5<br>GW-5<br>P-1<br>DUP-1<br>GMX-MW-6D | 7.0 ug/L |

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples, without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) and Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

MS/MSD recovery data alone cannot be used to evaluate precision or accuracy of individual samples. MS/MSD recoveries were within the method specific criteria without exception.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Compounds detected at levels above the calibration range of the instrument were qualified "E" by the laboratory. The samples were then re-analyzed at a dilution to bring the concentration within the calibration range of the instrument. Both results were reported by the laboratory and the data validator used professional judgment to select the best result for reporting purposes.

**Summary**

The results presented in each report were found to be compliant with the data quality objectives for the project and usable. Based on our review, the usability of the data is 100%, with the few exceptions noted above.

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GMX-MW-1

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-01

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037675.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

(ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 3.4 | |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 5.5 | |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GMX-MW-1

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-01

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037675.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |



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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GMX-MW-2

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-02

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037676.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 2.2 | |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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CHEMTECH

1A

**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

GMX-MW-2

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-02

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037676.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

GMX-MW-3

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-03

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037677.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| ~~75-01-4~~ | ~~Vinyl Chloride~~ | ~~1500~~ | ~~E~~ |
| 74-83-9 | Bromomethane | 1 | U |
| ~~75-00-3~~ | ~~Chloroethane~~ | ~~270~~ | ~~E~~ |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 18 | |
| 75-35-4 | 1,1-Dichloroethene | 5.2 | |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| ~~1634-04-4~~ | ~~Methyl tert-butyl Ether~~ | ~~180~~ | ~~E~~ |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 17 | |
| 75-34-3 | 1,1-Dichloroethane | 50 | |
| 110-82-7 | Cyclohexane | 5.3 | |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| ~~156-59-2~~ | ~~cis-1,2-Dichloroethene~~ | ~~1300~~ | ~~E~~ |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 8.5 | |
| 71-43-2 | Benzene | 20 | |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1.5 | |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 24 | |



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CHEMTECH

1A

**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

GMX-MW-3

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-03

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037677.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1.9 | |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 5.8 | |
| 179601-23-1 | m/p-Xylenes | 15 | |
| 95-47-6 | o-Xylene | 11 | |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 3.3 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GMX-MW-3DL

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-03DL

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037713.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 20

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 20 | U |
| 74-87-3 | Chloromethane | 20 | U |
| 75-01-4 | Vinyl Chloride | 930 930 | D |
| 74-83-9 | Bromomethane | 20 | U |
| 75-00-3 | Chloroethane | 160 | D |
| 75-69-4 | Trichlorofluoromethane | 20 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20 | U |
| 75-35-4 | 1,1-Dichloroethene | 20 | U |
| 67-64-1 | Acetone | 100 | U |
| 75-15-0 | Carbon Disulfide | 20 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 140 | D |
| 79-20-9 | Methyl Acetate | 20 | U |
| 75-09-2 | Methylene Chloride | 20 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 20 | U |
| 75-34-3 | 1,1-Dichloroethane | 27 | D |
| 110-82-7 | Cyclohexane | 20 | U |
| 78-93-3 | 2-Butanone | 100 | U |
| 56-23-5 | Carbon Tetrachloride | 20 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 870 | D |
| 67-66-3 | Chloroform | 20 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | U |
| 108-87-2 | Methylcyclohexane | 20 | U |
| 71-43-2 | Benzene | 20 | U |
| 107-06-2 | 1,2-Dichloroethane | 20 | U |
| 79-01-6 | Trichloroethene | 20 | U |
| 78-87-5 | 1,2-Dichloropropane | 20 | U |
| 75-27-4 | Bromodichloromethane | 20 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | U |
| 108-88-3 | Toluene | 20 | U |



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CHEMTECH

1A

**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

GMX-MW-3DL

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-03DL

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037713.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 20

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 20 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | U |
| 591-78-6 | 2-Hexanone | 100 | U |
| 124-48-1 | Dibromochloromethane | 20 | U |
| 106-93-4 | 1,2-Dibromoethane | 20 | U |
| 127-18-4 | Tetrachloroethene | 20 | U |
| 108-90-7 | Chlorobenzene | 20 | U |
| 100-41-4 | Ethyl Benzene | 20 | U |
| 179601-23-1 | m/p-Xylenes | 40 | U |
| 95-47-6 | o-Xylene | 20 | U |
| 100-42-5 | Styrene | 20 | U |
| 75-25-2 | Bromoform | 20 | U |
| 98-82-8 | Isopropylbenzene | 20 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 20 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 20 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 20 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 20 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | U |

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CHEMTECH

1A

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: GMX-MW-4

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-04

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037709.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units: (ug/L or ug/Kg) ug/L

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.5 | |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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CHEMTECH

1A

**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

GMX-MW-4

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-04

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037709.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

1A

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GMX-MW-5

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-05

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037710.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 3.5 | |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 2.7 | |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 2.4 | |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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CHEMTECH

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

GMX-MW-5

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-05

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037710.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

P-5

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-08

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037679.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P-5

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-08

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037679.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

MW-7

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-09

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037680.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 0.6 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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CHEMTECH

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

MW-7

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-09

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037680.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

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# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-10

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037681.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1.2 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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CHEMTECH

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-10

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037681.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

| CAS NO. | COMPOUND | Concentration Units: (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-5

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-11

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037682.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-5

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-11

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037682.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

1A

**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

P-1

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-12

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037716.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1100 | E |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 44 | |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 77 | |
| 75-34-3 | 1,1-Dichloroethane | 67 | |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5600 | E |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 6.2 | |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 2200 | E |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 13 | |



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CHEMTECH

1A

**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

P-1

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-12

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037716.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 2700 | E |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

1A

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P-1DL

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-12DL

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037717.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 200

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 200 | U |
| 74-87-3 | Chloromethane | 200 | U |
| 75-01-4 | Vinyl Chloride | 1400 | D |
| 74-83-9 | Bromomethane | 200 | U |
| 75-00-3 | Chloroethane | 200 | U |
| 75-69-4 | Trichlorofluoromethane | 200 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 200 | U |
| 75-35-4 | 1,1-Dichloroethene | 200 | U |
| 67-64-1 | Acetone | 1000 | U |
| 75-15-0 | Carbon Disulfide | 200 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 200 | U |
| 79-20-9 | Methyl Acetate | 200 | U |
| 75-09-2 | Methylene Chloride | 200 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 200 | U |
| 75-34-3 | 1,1-Dichloroethane | 200 | U |
| 110-82-7 | Cyclohexane | 200 | U |
| 78-93-3 | 2-Butanone | 1000 | U |
| 56-23-5 | Carbon Tetrachloride | 200 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 32000 | ED |
| 67-66-3 | Chloroform | 200 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 200 | U |
| 108-87-2 | Methylcyclohexane | 200 | U |
| 71-43-2 | Benzene | 200 | U |
| 107-06-2 | 1,2-Dichloroethane | 200 | U |
| 79-01-6 | Trichloroethene | 3200 | D |
| 78-87-5 | 1,2-Dichloropropane | 200 | U |
| 75-27-4 | Bromodichloromethane | 200 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1000 | U |
| 108-88-3 | Toluene | 200 | U |



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CHEMTECH

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

P-1DL

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-12DL

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037717.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 200

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 200 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 200 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 200 | U |
| 591-78-6 | 2-Hexanone | 1000 | U |
| 124-48-1 | Dibromochloromethane | 200 | U |
| 106-93-4 | 1,2-Dibromoethane | 200 | U |
| 127-18-4 | Tetrachloroethene | 5200 | D |
| 108-90-7 | Chlorobenzene | 200 | U |
| 100-41-4 | Ethyl Benzene | 200 | U |
| 179601-23-1 | m/p-Xylenes | 400 | U |
| 95-47-6 | o-Xylene | 200 | U |
| 100-42-5 | Styrene | 200 | U |
| 75-25-2 | Bromoform | 200 | U |
| 98-82-8 | Isopropylbenzene | 200 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 200 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 200 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 200 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 200 | U |

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CHEMTECH

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P-1DL2

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-12DL2

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023099.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1000

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1000 | U |
| 74-87-3 | Chloromethane | 1000 | U |
| 75-01-4 | Vinyl Chloride | 1000 | U |
| 74-83-9 | Bromomethane | 1000 | U |
| 75-00-3 | Chloroethane | 1000 | U |
| 75-69-4 | Trichlorofluoromethane | 1000 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1000 | U |
| 75-35-4 | 1,1-Dichloroethene | 1000 | U |
| 67-64-1 | Acetone | 5000 | U |
| 75-15-0 | Carbon Disulfide | 1000 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1000 | U |
| 79-20-9 | Methyl Acetate | 1000 | U |
| 75-09-2 | Methylene Chloride | 1000 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1000 | U |
| 75-34-3 | 1,1-Dichloroethane | 1000 | U |
| 110-82-7 | Cyclohexane | 1000 | U |
| 78-93-3 | 2-Butanone | 5000 | U |
| 56-23-5 | Carbon Tetrachloride | 1000 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 24000 | D |
| 67-66-3 | Chloroform | 1000 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1000 | U |
| 108-87-2 | Methylcyclohexane | 1000 | U |
| 71-43-2 | Benzene | 1000 | U |
| 107-06-2 | 1,2-Dichloroethane | 1000 | U |
| 79-01-6 | Trichloroethene | 1000 | U |
| 78-87-5 | 1,2-Dichloropropane | 1000 | U |
| 75-27-4 | Bromodichloromethane | 1000 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5000 | U |
| 108-88-3 | Toluene | 1000 | U |



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CHEMTECH

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## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P-1DL2

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-12DL2

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023099.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1000

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1000 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1000 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1000 | U |
| 591-78-6 | 2-Hexanone | 5000 | U |
| 124-48-1 | Dibromochloromethane | 1000 | U |
| 106-93-4 | 1,2-Dibromoethane | 1000 | U |
| 127-18-4 | Tetrachloroethene | 2300 | D |
| 108-90-7 | Chlorobenzene | 1000 | U |
| 100-41-4 | Ethyl Benzene | 1000 | U |
| 179601-23-1 | m/p-Xylenes | 2000 | U |
| 95-47-6 | o-Xylene | 1000 | U |
| 100-42-5 | Styrene | 1000 | U |
| 75-25-2 | Bromoform | 1000 | U |
| 98-82-8 | Isopropylbenzene | 1000 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |

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CHEMTECH

1A

# VOLATILE ORGANICS ANALYSIS DATA SHEET

**EPA SAMPLE NO.**

DUP-1

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-13

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037718.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| ~~75-01-4~~ | ~~Vinyl Chloride~~ | ~~1100~~ | ~~E~~ |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 43 | |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 76 | |
| 75-34-3 | 1,1-Dichloroethane | 66 | |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| ~~156-59-2~~ | ~~cis-1,2-Dichloroethene~~ | ~~5300~~ | ~~E~~ |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 6.5 | |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| ~~79-01-6~~ | ~~Trichloroethene~~ | ~~2200~~ | ~~E~~ |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 13 | |



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CHEMTECH

1A

# VOLATILE ORGANICS ANALYSIS DATA SHEET

**EPA SAMPLE NO.**

DUP-1

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-13

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037718.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 2800 | E |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

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# VOLATILE ORGANICS ANALYSIS DATA SHEET

**EPA SAMPLE NO.**

DUP-1DL

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-13DL

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037719.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 200

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 200 | U |
| 74-87-3 | Chloromethane | 200 | U |
| 75-01-4 | Vinyl Chloride | 1800 | D |
| 74-83-9 | Bromomethane | 200 | U |
| 75-00-3 | Chloroethane | 200 | U |
| 75-69-4 | Trichlorofluoromethane | 200 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 200 | U |
| 75-35-4 | 1,1-Dichloroethene | 200 | U |
| 67-64-1 | Acetone | 1000 | U |
| 75-15-0 | Carbon Disulfide | 200 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 200 | U |
| 79-20-9 | Methyl Acetate | 200 | U |
| 75-09-2 | Methylene Chloride | 200 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 200 | U |
| 75-34-3 | 1,1-Dichloroethane | 200 | U |
| 110-82-7 | Cyclohexane | 200 | U |
| 78-93-3 | 2-Butanone | 1000 | U |
| 56-23-5 | Carbon Tetrachloride | 200 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 33000 | ED |
| 67-66-3 | Chloroform | 200 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 200 | U |
| 108-87-2 | Methylcyclohexane | 200 | U |
| 71-43-2 | Benzene | 200 | U |
| 107-06-2 | 1,2-Dichloroethane | 200 | U |
| 79-01-6 | Trichloroethene | 3900 | D |
| 78-87-5 | 1,2-Dichloropropane | 200 | U |
| 75-27-4 | Bromodichloromethane | 200 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1000 | U |
| 108-88-3 | Toluene | 200 | U |



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CHEMTECH

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# VOLATILE ORGANICS ANALYSIS DATA SHEET

**EPA SAMPLE NO.**

DUP-1DL

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-13DL

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037719.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 200

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 200 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 200 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 200 | U |
| 591-78-6 | 2-Hexanone | 1000 | U |
| 124-48-1 | Dibromochloromethane | 200 | U |
| 106-93-4 | 1,2-Dibromoethane | 200 | U |
| 127-18-4 | Tetrachloroethene | 7200 | D |
| 108-90-7 | Chlorobenzene | 200 | U |
| 100-41-4 | Ethyl Benzene | 200 | U |
| 179601-23-1 | m/p-Xylenes | 400 | U |
| 95-47-6 | o-Xylene | 200 | U |
| 100-42-5 | Styrene | 200 | U |
| 75-25-2 | Bromoform | 200 | U |
| 98-82-8 | Isopropylbenzene | 200 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 200 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 200 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 200 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 200 | U |

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CHEMTECH

1A

**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

DUP-1DL2

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-13DL2

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023100.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1000

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1000 | U |
| 74-87-3 | Chloromethane | 1000 | U |
| 75-01-4 | Vinyl Chloride | 1000 | U |
| 74-83-9 | Bromomethane | 1000 | U |
| 75-00-3 | Chloroethane | 1000 | U |
| 75-69-4 | Trichlorofluoromethane | 1000 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1000 | U |
| 75-35-4 | 1,1-Dichloroethene | 1000 | U |
| 67-64-1 | Acetone | 5000 | U |
| 75-15-0 | Carbon Disulfide | 1000 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1000 | U |
| 79-20-9 | Methyl Acetate | 1000 | U |
| 75-09-2 | Methylene Chloride | 1000 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1000 | U |
| 75-34-3 | 1,1-Dichloroethane | 1000 | U |
| 110-82-7 | Cyclohexane | 1000 | U |
| 78-93-3 | 2-Butanone | 5000 | U |
| 56-23-5 | Carbon Tetrachloride | 1000 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 25000 | D |
| 67-66-3 | Chloroform | 1000 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1000 | U |
| 108-87-2 | Methylcyclohexane | 1000 | U |
| 71-43-2 | Benzene | 1000 | U |
| 107-06-2 | 1,2-Dichloroethane | 1000 | U |
| 79-01-6 | Trichloroethene | 1000 | U |
| 78-87-5 | 1,2-Dichloropropane | 1000 | U |
| 75-27-4 | Bromodichloromethane | 1000 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5000 | U |
| 108-88-3 | Toluene | 1000 | U |



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CHEMTECH

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1DL2

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-13DL2

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023100.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1000

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1000 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1000 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1000 | U |
| 591-78-6 | 2-Hexanone | 5000 | U |
| 124-48-1 | Dibromochloromethane | 1000 | U |
| 106-93-4 | 1,2-Dibromoethane | 1000 | U |
| 127-18-4 | Tetrachloroethene | 2600 | D |
| 108-90-7 | Chlorobenzene | 1000 | U |
| 100-41-4 | Ethyl Benzene | 1000 | U |
| 179601-23-1 | m/p-Xylenes | 2000 | U |
| 95-47-6 | o-Xylene | 1000 | U |
| 100-42-5 | Styrene | 1000 | U |
| 75-25-2 | Bromoform | 1000 | U |
| 98-82-8 | Isopropylbenzene | 1000 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |

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CHEMTECH

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-14

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037674.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1.4 | |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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CHEMTECH

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

FB-1

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-14

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037674.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

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Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-15

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037673.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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CHEMTECH

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

TRIPBLANK

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-15

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH037673.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/21/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

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# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-1

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-16

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023101.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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CHEMTECH

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

RB-1

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-16

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023101.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

GMX-MW-6S

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-17

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023102.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 74 | |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 54 | |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1.2 | |
| 75-34-3 | 1,1-Dichloroethane | 13 | |
| 110-82-7 | Cyclohexane | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1.3 | |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 1 | U |
| 71-43-2 | Benzene | 3.2 | |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 1 | U |



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**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

GMX-MW-6S

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-17

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023102.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 1 | U |
| 179601-23-1 | m/p-Xylenes | 2 | U |
| 95-47-6 | o-Xylene | 1 | U |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

1A

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GMX-MW-6D

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-18

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023103.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 1 | U |
| 74-87-3 | Chloromethane | 1 | U |
| 75-01-4 | Vinyl Chloride | 1 | U |
| 74-83-9 | Bromomethane | 1 | U |
| 75-00-3 | Chloroethane | 1 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | U |
| 67-64-1 | Acetone | 330 | |
| 75-15-0 | Carbon Disulfide | 6.4 | |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U |
| 79-20-9 | Methyl Acetate | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 110-82-7 | Cyclohexane | 85 | |
| 78-93-3 | 2-Butanone | 21 | |
| 56-23-5 | Carbon Tetrachloride | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 108-87-2 | Methylcyclohexane | 42 | |
| 71-43-2 | Benzene | 440 | E |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | U |
| 75-27-4 | Bromodichloromethane | 1 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 320 | E |



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8/18/10

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# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GMX-MW-6D

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-18

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023103.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 1 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | U |
| 127-18-4 | Tetrachloroethene | 1 | U |
| 108-90-7 | Chlorobenzene | 1 | U |
| 100-41-4 | Ethyl Benzene | 19 | |
| 179601-23-1 | m/p-Xylenes | 130 | |
| 95-47-6 | o-Xylene | 36 | |
| 100-42-5 | Styrene | 1 | U |
| 75-25-2 | Bromoform | 1 | U |
| 98-82-8 | Isopropylbenzene | 1.5 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U |

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CHEMTECH

1A

**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

GMX-MW-6DDL

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-18DL

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023106.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 20

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | 20 | U |
| 74-87-3 | Chloromethane | 20 | U |
| 75-01-4 | Vinyl Chloride | 20 | U |
| 74-83-9 | Bromomethane | 20 | U |
| 75-00-3 | Chloroethane | 20 | U |
| 75-69-4 | Trichlorofluoromethane | 20 | U |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20 | U |
| 75-35-4 | 1,1-Dichloroethene | 20 | U |
| 67-64-1 | Acetone | 270 | D |
| 75-15-0 | Carbon Disulfide | 20 | U |
| 1634-04-4 | Methyl tert-butyl Ether | 20 | U |
| 79-20-9 | Methyl Acetate | 20 | U |
| 75-09-2 | Methylene Chloride | 20 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 20 | U |
| 75-34-3 | 1,1-Dichloroethane | 20 | U |
| 110-82-7 | Cyclohexane | 26 | D |
| 78-93-3 | 2-Butanone | 100 | U |
| 56-23-5 | Carbon Tetrachloride | 20 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 20 | U |
| 67-66-3 | Chloroform | 20 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | U |
| 108-87-2 | Methylcyclohexane | 62 | D |
| 71-43-2 | Benzene | 520 | D |
| 107-06-2 | 1,2-Dichloroethane | 20 | U |
| 79-01-6 | Trichloroethene | 20 | U |
| 78-87-5 | 1,2-Dichloropropane | 20 | U |
| 75-27-4 | Bromodichloromethane | 20 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | U |
| 108-88-3 | Toluene | 300 | D |



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1A

**VOLATILE ORGANICS ANALYSIS DATA SHEET**

**EPA SAMPLE NO.**

GMX-MW-6DDL

Lab Name: Chemtech Contract: LABE01

Lab Code: CHEM Case No.: B2986 SAS No.: B2986 SDG No.: B2986

Matrix (soil/water): WATER Lab Sample ID: B2986-18DL

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF023106.D

Level: (low/med) Date Received: 07/15/10

% Moisture: not dec. 100 Date Analyzed: 07/23/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 20

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

Concentration Units:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 20 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | U |
| 591-78-6 | 2-Hexanone | 100 | U |
| 124-48-1 | Dibromochloromethane | 20 | U |
| 106-93-4 | 1,2-Dibromoethane | 20 | U |
| 127-18-4 | Tetrachloroethene | 20 | U |
| 108-90-7 | Chlorobenzene | 20 | U |
| 100-41-4 | Ethyl Benzene | 15 | JD |
| 179601-23-1 | m/p-Xylenes | 98 | D |
| 95-47-6 | o-Xylene | 26 | D |
| 100-42-5 | Styrene | 20 | U |
| 75-25-2 | Bromoform | 20 | U |
| 98-82-8 | Isopropylbenzene | 20 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 20 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 20 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 20 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 20 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | U |

EGL
8/18/10

# Data Usability Summary Report (DUSR)

City of Rochester
Labella Project #210173

Chemtech, Mountainside, New Jersey
Sample Delivery Group #B3444
November 22, 2010

Prepared by:

Emily Gillen
LaBella Associates, P.C.
300 State St
Rochester, NY 14614

Analytical results for the project samples were reviewed to evaluate the data usability. Data was assessed in accordance with guidance from the following Federal and/or State guidance documents:

- USEPA National Functional Guidelines for Organic Data Review (EPA 540/R-99/008) and/or USEPA National Functional Guidelines for Low Concentration Organic Data Review (EPA 540-R-04-004).

And method protocol criteria were applicable as prescribed by "Test Methods for Evaluating Solid Waste", SW846, Update III, 1996.

This DUSR pertains to the following samples:

| Sample ID | Lab ID | Matrix | Sample Date | Analysis Performed |
|---|---|---|---|---|
| | | | | VOC[1] |
| GW-6 | B3444-01 | AQ | 08/26/2010 | X |
| MW-17 | B3444-02 | AQ | 08/26/2010 | X |
| B3444-02MS | B3444-03 | AQ | 08/26/2010 | X |
| B3444-02MSD | B3444-04 | AQ | 08/26/2010 | X |
| RB08262010 | B3444-05 | AQ | 08/26/2010 | X |
| FB08262010 | B3444-06 | AQ | 08/26/2010 | X |
| DUP08262010 | B3444-07 | AQ | 08/26/2010 | X |
| MW-16S | B3444-08 | AQ | 08/26/2010 | X |
| MW-16D | B3444-09 | AQ | 08/26/2010 | X |
| TRIPBLANK | B3444-10 | AQ | 08/26/2010 | X |

(1) VOC analyses were performed using USEPA Method SW846 8260B.

The following items/criteria applicable to the analysis of project samples and associated QA/QC procedures were reviewed:

- Sample Data Reporting Format
- Preservation and Holding Time Compliance
- GC/MS Instrument Performance Check
- Initial Calibration Verification (ICV)
- Continuing Calibration Verification (CCV)
- Blank Sample Analysis

- System Monitoring/Surrogate Compound Recoveries
- Laboratory Control Sample (LCS) Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries
- Internal Standards
- Target Compound Identification
- Compound Quantitation
- Data Qualifiers
- Summary

## Volatile Organic Compounds (VOCs)

### Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

### Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, without exception. No qualification of the data is recommended.

### Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

### Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

### Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 10 times (10X) the amount in any blank for the common laboratory contaminants (methylene chloride, acetone, 2-butanone, cyclohexane), or 5 times (5X) the amount for other target compounds.

Target compounds were not identified in associated blank samples at concentrations above the MDL for organic parameter analyses. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples, without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) and Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

MS/MSD recovery data alone cannot be used to evaluate precision or accuracy of individual samples. MS/MSD recoveries were within the method specific criteria without exception.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

No data qualifiers were assigned to the reported results.

**Summary**

The results presented in each report were found to be compliant with the data quality objectives for the project and usable. Based on our review, the usability of the data is 100%, with the few exceptions noted above.

EKG
11/22/2010

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | GW-6 | SDG No.: | B3444 |
| Lab Sample ID: | B3444-01 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023527.D | 1 | | 09/01/10 | vf090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EKG
11/22/2010

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | | | Date Received: | 08/27/10 |
| Client Sample ID: | GW-6 | | | SDG No.: | B3444 |
| Lab Sample ID: | B3444-01 | | | Matrix: | WATER |
| Analytical Method: | SW8260B | | | % Moisture: | 100 |
| Sample Wt/Vol: | 5 | Units: | mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | | | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023527.D | 1 | | 09/01/10 | vf090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48 | | 66 - 150 | | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.8 | | 76 - 130 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49 | | 78 - 121 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.8 | | 70 - 131 | | 98% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1314190 | 3.25 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2135170 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2178130 | 6.56 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1306410 | 8.99 | | | | |

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

EKB 11/22/2010

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | MW-17 | SDG No.: | B3444 |
| Lab Sample ID: | B3444-02 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023528.D | 1 | | 09/01/10 | VF090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EKG 11/22/2010

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | | | Date Received: | 08/27/10 |
| Client Sample ID: | MW-17 | | | SDG No.: | B3444 |
| Lab Sample ID: | B3444-02 | | | Matrix: | WATER |
| Analytical Method: | SW8260B | | | % Moisture: | 100 |
| Sample Wt/Vol: | 5 | Units: | mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | | | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023528.D | 1 | | 09/01/10 | VF090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.9 | | 66 - 150 | | 98% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 53.8 | | 76 - 130 | | 108% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.3 | | 78 - 121 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.4 | | 70 - 131 | | 99% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1287750 | 3.25 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2092910 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2182230 | 6.56 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1277730 | 8.99 | | | | |

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

EKG 11/22/2010

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | RB08262010 | SDG No.: | B3444 |
| Lab Sample ID: | B3444-05 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023531.D | 1 | | 09/01/10 | VF090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EKG 11/22/2010

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | Date Collected: | 08/26/10 | |
| Project: | Emerson St Landfill Proj#201173 | | Date Received: | 08/27/10 | |
| Client Sample ID: | RB08262010 | | SDG No.: | B3444 | |
| Lab Sample ID: | B3444-05 | | Matrix: | WATER | |
| Analytical Method: | SW8260B | | % Moisture: | 100 | |
| Sample Wt/Vol: | 5 Units: | mL | Final Vol: | 5000 | uL |
| Soil Aliquot Vol: | | uL | Test: | VOC-TCL | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023531.D | 1 | | 09/01/10 | VF090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.5 | | 66 - 150 | | 97% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.7 | | 76 - 130 | | 105% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.6 | | 78 - 121 | | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.2 | | 70 - 131 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1304460 | 3.25 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2123890 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2162280 | 6.57 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1229780 | 8.99 | | | | |

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

EKG 11/22/2010

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | FB08262010 | SDG No.: | B3444 |
| Lab Sample ID: | B3444-06 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023526.D | 1 | | 09/01/10 | vf090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | FB08262010 | SDG No.: | B3444 |
| Lab Sample ID: | B3444-06 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023526.D | 1 | | 09/01/10 | vf090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.4 | | 66 - 150 | | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51 | | 76 - 130 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49 | | 78 - 121 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.1 | | 70 - 131 | | 98% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1330370 | 3.25 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2136620 | 3.66 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2197960 | 6.57 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1304740 | 8.99 | | | | |

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | DUP08262010 | SDG No.: | B3444 |
| Lab Sample ID: | B3444-07 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023532.D | 1 | | 09/01/10 | VF090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | DUP08262010 | SDG No.: | B3444 |
| Lab Sample ID: | B3444-07 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023532.D | 1 | | 09/01/10 | VF090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.7 | | 66 - 150 | | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.2 | | 76 - 130 | | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.6 | | 78 - 121 | | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.2 | | 70 - 131 | | 94% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1327610 | 3.25 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2150680 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2164080 | 6.56 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1184470 | 8.99 | | | | |

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

EKG 11/22/2010

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | MW-16S | SDG No.: | B3444 |
| Lab Sample ID: | B3444-08 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023533.D | 1 | | 09/01/10 | VF090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | Date Collected: | 08/26/10 | |
| Project: | Emerson St Landfill Proj#201173 | | Date Received: | 08/27/10 | |
| Client Sample ID: | MW-16S | | SDG No.: | B3444 | |
| Lab Sample ID: | B3444-08 | | Matrix: | WATER | |
| Analytical Method: | SW8260B | | % Moisture: | 100 | |
| Sample Wt/Vol: | 5 Units: mL | | Final Vol: | 5000 | uL |
| Soil Aliquot Vol: | uL | | Test: | VOC-TCL | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023533.D | 1 | | 09/01/10 | VF090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.6 | | 66 - 150 | | 97% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.8 | | 76 - 130 | | 94% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.1 | | 78 - 121 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.9 | | 70 - 131 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1299210 | 3.25 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2106230 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2150480 | 6.57 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1155200 | 8.99 | | | | |

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | MW-16D | SDG No.: | B3444 |
| Lab Sample ID: | B3444-09 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023534.D | 1 | | 09/01/10 | VF090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1.1 | | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/26/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | MW-16D | SDG No.: | B3444 |
| Lab Sample ID: | B3444-09 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023534.D | 1 | | 09/01/10 | VF090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.3 | | 66 - 150 | | 99% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.3 | | 76 - 130 | | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.7 | | 78 - 121 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.4 | | 70 - 131 | | 99% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1309380 | 3.25 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2143930 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2237030 | 6.57 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1250080 | 8.99 | | | | |

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/23/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | TRIPBLANK | SDG No.: | B3444 |
| Lab Sample ID: | B3444-10 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023525.D | 1 | | 09/01/10 | vf090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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EKG 11/22/2010

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 08/23/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 08/27/10 |
| Client Sample ID: | TRIPBLANK | SDG No.: | B3444 |
| Lab Sample ID: | B3444-10 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023525.D | 1 | | 09/01/10 | vf090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.2 | | 66 - 150 | | 92% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.4 | | 76 - 130 | | 101% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.3 | | 78 - 121 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.3 | | 70 - 131 | | 99% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1342560 | 3.25 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2133690 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2178600 | 6.57 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1263960 | 8.99 | | | | |

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

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EKG 11/22/2010

## Hit Summary Sheet
SW-846

**SDG No.:** B3444

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | | Parameter | Concentration | C | RDL | MDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **MW-16D** | | | | | | | |
| B3444-09 | MW-16D | WATER | 1,1-Dichloroethane | 1.10 | | 1.0 | 0.36 | ug/L |
| | | | **Total Voc :** | | **1.10** | | | |
| | | | **Total Concentration:** | | **1.10** | | | |

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ERG 11/22/2010

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | |
| Client Sample ID: | VBF0901W1 | SDG No.: | B3444 |
| Lab Sample ID: | VBF0901W1 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023522.D | 1 | | 09/01/10 | vf090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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EKG 11/22/2010

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | |
| Client Sample ID: | VBF0901W1 | SDG No.: | B3444 |
| Lab Sample ID: | VBF0901W1 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF023522.D | 1 | | 09/01/10 | vf090110 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.4 | | 66 - 150 | | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 43.2 | | 76 - 130 | | 86% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.9 | | 78 - 121 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.8 | | 70 - 131 | | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1307880 | 3.25 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2070580 | 3.66 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2152010 | 6.57 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1278360 | 8.99 | | | | |

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

# Data Usability Summary Report (DUSR)

City of Rochester
Labella Project #210173

Chemtech, Mountainside, NJ
Sample Delivery Group #B3962
2/22/2011

Prepared by:
Ethan Lee
LaBella Associates, P.C.
300 State St
Rochester, NY 14614

Analytical results for the project samples were reviewed to evaluate the data usability. Data was assessed in accordance with guidance from the following Federal and/or State guidance documents:

- USEPA National Functional Guidelines for Organic Data Review (EPA 540/R-99/008) and/or USEPA National Functional Guidelines for Low Concentration Organic Data Review (EPA 540-R-04-004).

And method protocol criteria were applicable as prescribed by "Test Methods for Evaluating Solid Waste", SW846, Update III, 1996.

This DUSR pertains to the following samples:

| Sample ID | Lab ID | Matrix | Sample Date | Analysis Performed |
|---|---|---|---|---|
| | | | | VOC[1] |
| LAB-101 | B3962-01 | AQ | 10/20/10 | X |
| RB-1 | B3962-02 | AQ | 10/20/10 | X |
| LAB-102 | B3962-03 | AQ | 10/19/10 | X |
| DUP-1 | B3962-04 | AQ | 10/19/10 | X |
| LAB-103 | B3962-05 | AQ | 10/19/10 | X |
| LAB-104 | B3962-06 | AQ | 10/20/10 | X |
| LAB-105 | B3962-07 | AQ | 10/19/10 | X |
| LAB-106 | B3962-08 | AQ | 10/20/10 | X |
| LAB-107 | B3962-09 | AQ | 10/19/10 | X |
| FB-1 | B3962-10 | AQ | 10/19/10 | X |
| LAB-108 | B3962-11 | AQ | 10/19/10 | X |
| TRIPBLANK | B3962-14 | AQ | 10/19/10 | X |

(1) VOC analyses were performed using USEPA Method SW846 8260B.

The following items/criteria applicable to the analysis of project samples and associated QA/QC procedures were reviewed:

- Sample Data Reporting Format
- Preservation and Holding Time Compliance
- GC/MS Instrument Performance Check
- Initial Calibration Verification (ICV)
- Continuing Calibration Verification (CCV)
- Blank Sample Analysis
- System Monitoring/Surrogate Compound Recoveries
- Laboratory Control Sample (LCS) Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries
- Internal Standards
- Target Compound Identification
- Compound Quantitation
- Data Qualifiers
- Summary

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

| Instrument | Date/ Time | Target Analyte(s) | %RSD | RRF | Corrective Action | Affected Sample(s) |
|---|---|---|---|---|---|---|
| MSVOAG | 10/7/10 11:02 | Bromomethane | 28.2 | 0.45 | Action #1 | All Samples |

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

| Instrument | Date/ Time | Target Analyte(s) | %D | RRF | Corrective Action | Affected Sample(s) |
|---|---|---|---|---|---|---|
| MSVOAG | 10/25/10 16:44 | Bromoform | -26.0 | 0.34 | Action #1 | LAB-104<br>LAB-105<br>LAB-106<br>LAB-107<br>LAB-101<br>LAB-102<br>LAB-108 |

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 10 times (10X) the amount in any blank for the common laboratory contaminants (methylene chloride, acetone, 2-butanone, cyclohexane), or 5 times (5X) the amount for other target compounds.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses, with the following exceptions:

| Blank | Target Analyte(s) | Conc. | Flag sample results with a "U" if ≤ this value | Affected Sample(s) |
|---|---|---|---|---|
| RB-1 | Toluene | 1.1 ug/L | 5.5 ug/L | All samples except TRIPBLANK and FB-1 |
| FB-1 | Chloromethane | 2.7 ug/L | 13.5 ug/L | All samples except TRIPBLANK and RB-1 |

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) and Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

LCS recoveries were within the method specific criteria, with the following exceptions:

| LCS ID | Compound | QC Criteria | LCS %R | Corrective Action | Affected Samples |
|---|---|---|---|---|---|
| BSG1022W1 | Dichlorodifluoromethane | 35-124 | 140 | Action #1 | TRIPBLANK<br>FB-1<br>RB-1<br>DUP-1<br>LAB-103 |
| BSG1025W1 | Dichlorodifluoromethane<br>Bromomethane | 35-124<br>44-146 | 145<br>150 | Action #1<br>Action #1 | LAB-104<br>LAB-105<br>LAB-106<br>LAB-107<br>LAB-101<br>LAB-102<br>LAB-108 |

Action #1: Positive results are qualified "J", estimated and nondetected results should not be qualified.

MS/MSD recovery data alone cannot be used to evaluate precision or accuracy of individual samples. Although the associated MS and MSD samples had VOC compounds with percent recoveries outside of the method specific criteria, due to the LCS recoveries being within the criteria, no qualification of the data is recommended.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "J" qualifier, which indicates an estimated value because the result was between the RL and MDL, was carried forward.

**Summary**

The results presented in each report were found to be compliant with the data quality objectives for the project and usable. Based on our review, the usability of the data is 100%, with the few exceptions noted above.

EGL
2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/20/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-101 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-01 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031098.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1.2 | | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL
2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/20/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-101 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-01 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031098.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | UJ | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47 | | 66 - 150 | | 94% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 42 | | 76 - 130 | | 84% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 45.2 | | 78 - 121 | | 90% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.5 | | 70 - 131 | | 95% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 559953 | 3.9 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 916487 | 4.71 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 777922 | 9.67 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 421276 | 13.37 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL
2/22/11

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | | Date Collected: | 10/20/10 |
| Project: | Emerson St Landfill Proj#201173 | | | Date Received: | 10/21/10 |
| Client Sample ID: | RB-1 | | | SDG No.: | B3962 |
| Lab Sample ID: | B3962-02 | | | Matrix: | WATER |
| Analytical Method: | SW8260B | | | % Moisture: | 100 |
| Sample Wt/Vol: | 5 | Units: | mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | | | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031081.D | 1 | | 10/22/10 | VG102210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1.1 | | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/20/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | RB-1 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-02 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031081.D | 1 | | 10/22/10 | VG102210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.6 | | 66 - 150 | | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 43.6 | | 76 - 130 | | 87% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 44.1 | | 78 - 121 | | 88% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47 | | 70 - 131 | | 94% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 544794 | 3.88 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 853765 | 4.68 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 732722 | 9.65 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 387948 | 13.34 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/22/11

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | Date Collected: | 10/19/10 | |
| Project: | Emerson St Landfill Proj#201173 | | Date Received: | 10/21/10 | |
| Client Sample ID: | LAB-102 | | SDG No.: | B3962 | |
| Lab Sample ID: | B3962-03 | | Matrix: | WATER | |
| Analytical Method: | SW8260B | | % Moisture: | 100 | |
| Sample Wt/Vol: | 5 Units: | mL | Final Vol: | 5000 | uL |
| Soil Aliquot Vol: | | uL | Test: | VOC-TCL | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031099.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1.9 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1.6 | | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

ECL 2/22/11

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | | | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-102 | | | SDG No.: | B3962 |
| Lab Sample ID: | B3962-03 | | | Matrix: | WATER |
| Analytical Method: | SW8260B | | | % Moisture: | 100 |
| Sample Wt/Vol: | 5 | Units: | mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | | | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031099.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | UJ | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 63.6 | | 66 - 150 | | 127% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.4 | | 76 - 130 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 41.3 | | 78 - 121 | | 83% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.3 | | 70 - 131 | | 91% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 395465 | 3.9 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 742124 | 4.71 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 600031 | 9.66 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 310655 | 13.37 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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2/22/11

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | | Date Collected: | 10/19/10 | |
| Project: | Emerson St Landfill Proj#201173 | | | Date Received: | 10/21/10 | |
| Client Sample ID: | DUP-1 | | | SDG No.: | B3962 | |
| Lab Sample ID: | B3962-04 | | | Matrix: | WATER | |
| Analytical Method: | SW8260B | | | % Moisture: | 100 | |
| Sample Wt/Vol: | 5 | Units: | mL | Final Vol: | 5000 | uL |
| Soil Aliquot Vol: | | | uL | Test: | VOC-TCL | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031082.D | 1 | | 10/22/10 | VG102210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | DUP-1 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-04 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031082.D | 1 | | 10/22/10 | VG102210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.6 | | 66 - 150 | | 95% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 43.6 | | 76 - 130 | | 87% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 45.8 | | 78 - 121 | | 92% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.6 | | 70 - 131 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 531902 | 3.89 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 860581 | 4.68 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 733448 | 9.65 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 385349 | 13.36 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/23/11

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | Date Collected: | 10/19/10 | |
| Project: | Emerson St Landfill Proj#201173 | | Date Received: | 10/21/10 | |
| Client Sample ID: | LAB-103 | | SDG No.: | B3962 | |
| Lab Sample ID: | B3962-05 | | Matrix: | WATER | |
| Analytical Method: | SW8260B | | % Moisture: | 100 | |
| Sample Wt/Vol: | 5 Units: | mL | Final Vol: | 5000 | uL |
| Soil Aliquot Vol: | | uL | Test: | VOC-TCL | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031083.D | 1 | | 10/22/10 | VG102210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1.3 | | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 2 | | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1.2 | | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-103 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-05 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031083.D | 1 | | 10/22/10 | VG102210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.2 | | 66 - 150 | | 92% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 44.9 | | 76 - 130 | | 90% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 44.6 | | 78 - 121 | | 89% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.7 | | 70 - 131 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 515047 | 3.87 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 814069 | 4.68 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 727371 | 9.64 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 389699 | 13.36 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/20/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-104 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-06 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031092.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 3.8 | | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 11 | | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1.7 | | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1.7 | | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 45 | | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 0.73 | J | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 2.2 | | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1.3 | | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1.2 | | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1.1 | | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/20/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-104 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-06 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031092.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | UJ | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.2 | | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 39.4 | | 66 - 150 | | 79% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 38.1 | | 76 - 130 | | 76% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 41.3 | | 78 - 121 | | 83% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 44.2 | | 70 - 131 | | 88% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 638206 | 3.9 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1019510 | 4.71 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 873173 | 9.66 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 466188 | 13.37 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-105 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-07 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031093.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL
2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-105 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-07 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031093.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | UJ | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 39.5 | | 66 - 150 | | 79% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 39.1 | | 76 - 130 | | 78% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 40.9 | | 78 - 121 | | 82% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 41.9 | | 70 - 131 | | 84% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 658442 | 3.9 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1058780 | 4.7 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 875784 | 9.67 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 465631 | 13.36 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/20/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-106 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-08 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031094.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 2.1 | | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 5 | | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.87 | J | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1.5 | | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 38 | | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 0.72 | J | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1.1 | | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.67 | J | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 0.73 | J | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/20/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-106 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-08 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031094.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | UJ | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 40.2 | | 66 - 150 | | 81% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 40.1 | | 76 - 130 | | 80% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 41.2 | | 78 - 121 | | 82% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 44.6 | | 70 - 131 | | 89% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 613834 | 3.9 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 957119 | 4.71 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 827369 | 9.67 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 435395 | 13.37 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-107 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-09 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031097.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1.6 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1.3 | | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-107 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-09 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031097.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | UJ | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.8 | | 66 - 150 | | 92% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 40.9 | | 76 - 130 | | 82% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 43.3 | | 78 - 121 | | 87% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 44.9 | | 70 - 131 | | 90% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 567197 | 3.91 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 911426 | 4.71 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 786474 | 9.67 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 410255 | 13.37 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | FB-1 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-10 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031079.D | 1 | | 10/22/10 | VG102210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 2.7 | | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/22/11

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | FB-1 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-10 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031079.D | 1 | | 10/22/10 | VG102210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.7 | | 66 - 150 | | 91% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 39 | | 76 - 130 | | 78% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 42.6 | | 78 - 121 | | 85% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.1 | | 70 - 131 | | 92% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 518310 | 3.88 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 838537 | 4.69 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 703965 | 9.64 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 377882 | 13.34 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/22/11

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | | | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-108 | | | SDG No.: | B3962 |
| Lab Sample ID: | B3962-11 | | | Matrix: | WATER |
| Analytical Method: | SW8260B | | | % Moisture: | 100 |
| Sample Wt/Vol: | 5 | Units: | mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | | | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031100.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1.9 | | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.82 | J | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | LAB-108 | SDG No.: | B3962 |
| Lab Sample ID: | B3962-11 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031100.D | 1 | | 10/25/10 | VG102510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | UJ | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.2 | | 66 - 150 | | 92% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 39.3 | | 76 - 130 | | 79% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 42.7 | | 78 - 121 | | 85% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.5 | | 70 - 131 | | 91% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 553676 | 3.91 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 934345 | 4.7 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 778689 | 9.67 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 405110 | 13.37 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | TRIPBLANK | SDG No.: | B3962 |
| Lab Sample ID: | B3962-14 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031078.D | 1 | | 10/22/10 | VG102210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 10/19/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 10/21/10 |
| Client Sample ID: | TRIPBLANK | SDG No.: | B3962 |
| Lab Sample ID: | B3962-14 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG031078.D | 1 | | 10/22/10 | VG102210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46 | | 66 - 150 | | 92% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 39.9 | | 76 - 130 | | 80% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 43.6 | | 78 - 121 | | 87% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.2 | | 70 - 131 | | 92% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 485788 | 3.88 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 774609 | 4.69 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 645309 | 9.64 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 348062 | 13.34 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

# Data Usability Summary Report (DUSR)

City of Rochester
Labella Project #210173

Chemtech, Mountainside, NJ
Sample Delivery Group #B4508
2/23/2011

Prepared by:
Ethan Lee
LaBella Associates, P.C.
300 State St
Rochester, NY 14614

Analytical results for the project samples were reviewed to evaluate the data usability. Data was assessed in accordance with guidance from the following Federal and/or State guidance documents:

- USEPA National Functional Guidelines for Organic Data Review (EPA 540/R-99/008) and/or USEPA National Functional Guidelines for Low Concentration Organic Data Review (EPA 540-R-04-004).

And method protocol criteria were applicable as prescribed by "Test Methods for Evaluating Solid Waste", SW846, Update III, 1996.

This DUSR pertains to the following samples:

| Sample ID | Lab ID | Matrix | Sample Date | Analysis Performed |
|---|---|---|---|---|
| | | | | VOC[1] |
| LAB-101 | B4508-01 | AQ | 12/9/10 | X |
| BLINDDUPLICATE | B4508-02 | AQ | 12/9/10 | X |
| RINSATE | B4508-03 | AQ | 12/9/10 | X |
| P-4 | B4508-04 | AQ | 12/9/10 | X |
| MW-19 | B4508-05 | AQ | 12/9/10 | X |
| FIELDBLANK | B4508-08 | AQ | 12/9/10 | X |
| GW-9 | B4508-09 | AQ | 12/9/10 | X |
| TRIPBLANK | B4508-10 | AQ | 12/9/10 | X |

(1) VOC analyses were performed using USEPA Method SW846 8260B.

The following items/criteria applicable to the analysis of project samples and associated QA/QC procedures were reviewed:

- Sample Data Reporting Format
- Preservation and Holding Time Compliance
- GC/MS Instrument Performance Check
- Initial Calibration Verification (ICV)
- Continuing Calibration Verification (CCV)
- Blank Sample Analysis

- System Monitoring/Surrogate Compound Recoveries
- Laboratory Control Sample (LCS) Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries
- Internal Standards
- Target Compound Identification
- Compound Quantitation
- Data Qualifiers
- Summary

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

| Instrument | Date/ Time | Target Analyte(s) | %RSD | RRF | Corrective Action | Affected Sample(s) |
|---|---|---|---|---|---|---|
| MSVOAF | 11/23/10 10:44 | Bromomethane | 20.5 | 0.29 | Action #1 | FIELDBLANK<br>LAB-101<br>BLINDDUPLICATE<br>RINSATE<br>P-4<br>GW-9<br>MW-19 |

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

| Instrument | Date/ Time | Target Analyte(s) | %D | RRF | Corrective Action | Affected Sample(s) |
|---|---|---|---|---|---|---|
| MSVOAF | 12/13/10 13:48 | Trichlorofluoromethane<br>Carbon Tetrachloride | -33.0<br>-37.0 | 0.50<br>0.40 | Action #1<br>Action #1 | FIELDBLANK<br>LAB-101<br>BLINDDUPLICATE<br>RINSATE<br>P-4<br>GW-9<br>MW-19 |

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 10 times (10X) the amount in any blank for the common laboratory contaminants (methylene chloride, acetone, 2-butanone, cyclohexane), or 5 times (5X) the amount for other target compounds.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses, with the following exceptions:

| **Blank** | **Target Analyte(s)** | **Conc.** | **Flag sample results with a "U" if ≤ this value** | **Affected Sample(s)** |
|---|---|---|---|---|
| RINSATE | Acetone | 3.3 ug/L | 33 ug/L | All samples except TRIPBLANK and FIELDBLANK |
| RINSATERE | Acetone | 7.6 ug/L | 76 ug/L | All samples except TRIPBLANK and FIELDBLANK |

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples, with the following exceptions:

| **Surrogate** | | **Criteria (%)** |
|---|---|---|
| 1,2-Dichloroethane-d4 | S01 | 66-150 |
| Dibromofluoromethane | S02 | 76-130 |
| Toluene-d8 | S03 | 78-121 |
| 4-Bromofluorobenzene | S04 | 70-131 |

| **Project Sample ID** | **S01** | **S02** | **S03** | **S04** | **Positive Results** | **Non Detect (ND)** |
|---|---|---|---|---|---|---|
| | **%R** | **%R** | **%R** | **%R** | | |
| RINSATERE | 77 | **73** | **74** | 75 | J | UJ |
| P-4RE | 76 | **72** | **75** | 76 | J | UJ |

If the surrogate percent recovery is greater than the upper acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes should not be qualified. If the surrogate percent recovery is less than the lower acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "UJ", estimated detection limit. If the surrogate percent recovery is less than 10%, associated target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "R", rejected. All VOC target analytes in the identified project samples should be qualified as noted above.

Laboratory Control Sample (LCS) and Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

LCS recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

MS/MSD recovery data alone cannot be used to evaluate precision or accuracy of individual samples. Although the associated MS and MSD samples had VOC compounds with percent recoveries outside of the method specific criteria, due to the LCS recoveries being within the criteria, no qualification of the data is recommended.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "J" qualifier, which indicates an estimated value because the result was between the RL and MDL, was carried forward.

Samples RINSATE and P-4 were reanalyzed by the laboratory due to unmet calibration requirements. However, these sample results had system monitoring compound noncompliance. The data reviewer used professional judgment to determine the best samples

for reporting purposes. Therefore, the results from the initial sample analysis have been reported.

**Summary**

The results presented in each report were found to be compliant with the data quality objectives for the project and usable. Based on our review, the usability of the data is 100%, with the few exceptions noted above.

EGL
2/23/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | LAB-101 | SDG No.: | B4508 |
| Lab Sample ID: | B4508-01 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025063.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | UJ | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 2.4 | | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 5.5 | | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | LAB-101 | SDG No.: | B4508 |
| Lab Sample ID: | B4508-01 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025063.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2.3 | | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 56 | | 66 - 150 | | 112% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 58.1 | | 76 - 130 | | 116% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.4 | | 78 - 121 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.3 | | 70 - 131 | | 105% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1281610 | 3.27 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2383500 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2239320 | 6.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1343140 | 9 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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2/23/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | BLINDDUPLICATE | SDG No.: | B4508 |
| Lab Sample ID: | B4508-02 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025064.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | UJ | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 2.1 | | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 5.2 | | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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2/23/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | BLINDDUPLICATE | SDG No.: | B4508 |
| Lab Sample ID: | B4508-02 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025064.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2.1 | | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 57.5 | | 66 - 150 | | 115% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 57.9 | | 76 - 130 | | 116% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.6 | | 78 - 121 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.3 | | 70 - 131 | | 105% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1289480 | 3.26 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2442680 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2281580 | 6.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1373890 | 9 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | RINSATE | SDG No.: | B4508 |
| Lab Sample ID: | B4508-03 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025065.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | UJ | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 3.3 | J | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL
2/23/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | RINSATE | SDG No.: | B4508 |
| Lab Sample ID: | B4508-03 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025065.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 57.5 | | 66 - 150 | | 115% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 57.4 | | 76 - 130 | | 115% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.7 | | 78 - 121 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 53 | | 70 - 131 | | 106% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1200740 | 3.27 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2286940 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2141680 | 6.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1295130 | 9 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/23/11

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | | | Date Received: | 12/10/10 |
| Client Sample ID: | P-4 | | | SDG No.: | B4508 |
| Lab Sample ID: | B4508-04 | | | Matrix: | WATER |
| Analytical Method: | SW8260B | | | % Moisture: | 100 |
| Sample Wt/Vol: | 5 | Units: | mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | | | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025066.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | UJ | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 3.4 | XU | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/23/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | P-4 | SDG No.: | B4508 |
| Lab Sample ID: | B4508-04 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025066.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 58.6 | | 66 - 150 | | 117% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 58.6 | | 76 - 130 | | 117% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.9 | | 78 - 121 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 53.4 | | 70 - 131 | | 107% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1271190 | 3.26 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2421830 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2284870 | 6.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1358720 | 9 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/23/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | MW-19 | SDG No.: | B4508 |
| Lab Sample ID: | B4508-05 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025068.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | UJ | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.61 | J | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/23/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | MW-19 | SDG No.: | B4508 |
| Lab Sample ID: | B4508-05 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025068.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 59.7 | | 66 - 150 | | 119% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 61.9 | | 76 - 130 | | 124% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50 | | 78 - 121 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 53 | | 70 - 131 | | 106% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1181850 | 3.27 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2243420 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2118340 | 6.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1238620 | 8.99 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/23/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | FIELDBLANK | SDG No.: | B4508 |
| Lab Sample ID: | B4508-08 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025062.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | UJ | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/23/11

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | | | Date Received: | 12/10/10 |
| Client Sample ID: | FIELDBLANK | | | SDG No.: | B4508 |
| Lab Sample ID: | B4508-08 | | | Matrix: | WATER |
| Analytical Method: | SW8260B | | | % Moisture: | 100 |
| Sample Wt/Vol: | 5 | Units: | mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | | | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025062.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 55.4 | | 66 - 150 | | 111% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 57.3 | | 76 - 130 | | 115% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.3 | | 78 - 121 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.9 | | 70 - 131 | | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1297400 | 3.26 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2433040 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2282380 | 6.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1374320 | 9 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/23/11

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | LaBella Associates P.C. | | Date Collected: | 12/09/10 | |
| Project: | Emerson St Landfill Proj#201173 | | Date Received: | 12/10/10 | |
| Client Sample ID: | GW-9 | | SDG No.: | B4508 | |
| Lab Sample ID: | B4508-09 | | Matrix: | WATER | |
| Analytical Method: | SW8260B | | % Moisture: | 100 | |
| Sample Wt/Vol: | 5 Units: | mL | Final Vol: | 5000 | uL |
| Soil Aliquot Vol: | | uL | Test: | VOC-TCL | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025067.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| TARGETS | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 67 | | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | UJ | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1.6 | | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 3.8 | | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 45 | | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/23/11

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | GW-9 | SDG No.: | B4508 |
| Lab Sample ID: | B4508-09 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025067.D | 1 | | 12/13/10 | vf121310 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 59 | | 66 - 150 | | 118% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 59.2 | | 76 - 130 | | 118% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50 | | 78 - 121 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.5 | | 70 - 131 | | 105% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 1239300 | 3.26 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 2362380 | 3.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 2220140 | 6.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1286810 | 9 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/23/11

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | TRIPBLANK | SDG No.: | B4508 |
| Lab Sample ID: | B4508-10 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025095.D | 1 | | 12/15/10 | VF121510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/23/11

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/09/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/10/10 |
| Client Sample ID: | TRIPBLANK | SDG No.: | B4508 |
| Lab Sample ID: | B4508-10 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VF025095.D | 1 | | 12/15/10 | VF121510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 41.7 | | 66 - 150 | | 83% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 44.7 | | 76 - 130 | | 89% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 42.9 | | 78 - 121 | | 86% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.4 | | 70 - 131 | | 93% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 961621 | 3.25 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1675250 | 3.66 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 1552050 | 6.56 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1138100 | 8.98 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

# Data Usability Summary Report (DUSR)

City of Rochester
Labella Project #210173

Chemtech, Mountainside, NJ
Sample Delivery Group #B4646
2/22/2011

Prepared by:
Ethan Lee
LaBella Associates, P.C.
300 State St
Rochester, NY 14614

Analytical results for the project samples were reviewed to evaluate the data usability. Data was assessed in accordance with guidance from the following Federal and/or State guidance documents:

- USEPA National Functional Guidelines for Organic Data Review (EPA 540/R-99/008) and/or USEPA National Functional Guidelines for Low Concentration Organic Data Review (EPA 540-R-04-004).

And method protocol criteria were applicable as prescribed by "Test Methods for Evaluating Solid Waste", SW846, Update III, 1996.

This DUSR pertains to the following samples:

| Sample ID | Lab ID | Matrix | Sample Date | Analysis Performed |
|---|---|---|---|---|
| | | | | VOC[1] |
| LAB-109 | B4646-02 | AQ | 12/29/10 | X |
| GW-7R | B4646-05 | AQ | 12/29/10 | X |
| TRIPBLANK | B4646-06 | AQ | 12/29/10 | X |
| BLINDDUPLICATE | B4646-07 | AQ | 12/29/10 | X |
| FIELDDUPLICATE | B4646-08 | AQ | 12/29/10 | X |
| RINSATE | B4646-09 | AQ | 12/29/10 | X |

(1) VOC analyses were performed using USEPA Method SW846 8260B.

The following items/criteria applicable to the analysis of project samples and associated QA/QC procedures were reviewed:

- Sample Data Reporting Format
- Preservation and Holding Time Compliance
- GC/MS Instrument Performance Check
- Initial Calibration Verification (ICV)
- Continuing Calibration Verification (CCV)
- Blank Sample Analysis
- System Monitoring/Surrogate Compound Recoveries
- Laboratory Control Sample (LCS) Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries
- Internal Standards

- Target Compound Identification
- Compound Quantitation
- Data Qualifiers
- Summary

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, without exception. No qualification of the data is recommended.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

| Instrument | Date/ Time | Target Analyte(s) | %D | RRF | Corrective Action | Affected Sample(s) |
|---|---|---|---|---|---|---|
| MSVOAG | 1/3/11 16:12 | Chloroethane | -26.2 | 0.77 | Action #1 | TRIPBLANK<br>BLINDDUPLICATE<br>FIELDDUPLICATE<br>RINSATE |
| MSVOAG | 1/4/11 15:48 | Methyl Acetate | -34.0 | 1.78 | Action #1 | LAB-109<br>GW-7R |

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 10 times (10X) the amount in any blank for the common laboratory contaminants (methylene chloride, acetone, 2-butanone, cyclohexane), or 5 times (5X) the amount for other target compounds.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses. No qualification of the data is recommended.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) and Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

LCS and MS/MSD recoveries were within the method specific criteria without exception. No qualification of the data is recommended.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance.

**Summary**

The results presented in each report were found to be compliant with the data quality objectives for the project and usable. Based on our review, the usability of the data is 100%, with the few exceptions noted above.

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | LAB-109 | SDG No.: | B4646 |
| Lab Sample ID: | B4646-02 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032404.D | 1 | | 01/04/11 | VG010411 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | LAB-109 | SDG No.: | B4646 |
| Lab Sample ID: | B4646-02 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032404.D | 1 | | 01/04/11 | VG010411 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.2 | | 66 - 150 | | 92% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.5 | | 76 - 130 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 42.4 | | 78 - 121 | | 85% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 44.5 | | 70 - 131 | | 89% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 479496 | 3.87 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 901152 | 4.67 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 823495 | 9.64 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 371713 | 13.35 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | GW-7R | SDG No.: | B4646 |
| Lab Sample ID: | B4646-05 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032405.D | 1 | | 01/04/11 | VG010411 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 11 | | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 2.8 | | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 53 | | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 3.8 | | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | GW-7R | SDG No.: | B4646 |
| Lab Sample ID: | B4646-05 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032405.D | 1 | | 01/04/11 | VG010411 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.3 | | 66 - 150 | | 95% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.8 | | 76 - 130 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 45.5 | | 78 - 121 | | 91% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46 | | 70 - 131 | | 92% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 469027 | 3.87 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 876442 | 4.68 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 806348 | 9.65 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 358024 | 13.35 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | TRIPBLANK | SDG No.: | B4646 |
| Lab Sample ID: | B4646-06 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032373.D | 1 | | 01/03/11 | VG010311 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | TRIPBLANK | SDG No.: | B4646 |
| Lab Sample ID: | B4646-06 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032373.D | 1 | | 01/03/11 | VG010311 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.4 | | 66 - 150 | | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.2 | | 76 - 130 | | 94% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 43 | | 78 - 121 | | 86% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.1 | | 70 - 131 | | 90% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 463945 | 3.86 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 884638 | 4.65 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 798278 | 9.63 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 358122 | 13.34 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | BLINDDUPLICATE | SDG No.: | B4646 |
| Lab Sample ID: | B4646-07 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032375.D | 1 | | 01/03/11 | VG010311 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 11 | | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 2.9 | | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 53 | | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 3.7 | | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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EGL 2/22/11

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | BLINDDUPLICATE | SDG No.: | B4646 |
| Lab Sample ID: | B4646-07 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032375.D | 1 | | 01/03/11 | VG010311 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 42.3 | | 66 - 150 | | 85% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 43.9 | | 76 - 130 | | 88% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 39.2 | | 78 - 121 | | 78% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 40.2 | | 70 - 131 | | 80% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 475601 | 3.85 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 872724 | 4.65 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 794883 | 9.62 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 354034 | 13.33 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

EGL 2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | FIELDDUPLICATE | SDG No.: | B4646 |
| Lab Sample ID: | B4646-08 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032376.D | 1 | | 01/03/11 | VG010311 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

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2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | FIELDDUPLICATE | SDG No.: | B4646 |
| Lab Sample ID: | B4646-08 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032376.D | 1 | | 01/03/11 | VG010311 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.4 | | 66 - 150 | | 99% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.5 | | 76 - 130 | | 103% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 44.2 | | 78 - 121 | | 88% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46 | | 70 - 131 | | 92% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 451786 | 3.86 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 868879 | 4.65 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 809844 | 9.63 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 344974 | 13.33 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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2/22/11

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | RINSATE | SDG No.: | B4646 |
| Lab Sample ID: | B4646-09 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032377.D | 1 | | 01/03/11 | VG010311 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 74-87-3 | Chloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-01-4 | Vinyl Chloride | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 74-83-9 | Bromomethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-00-3 | Chloroethane | 1 | UJ | 0.2 | 0.5 | 1 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 67-64-1 | Acetone | 5 | U | 0.5 | 2.5 | 5 | ug/L |
| 75-15-0 | Carbon Disulfide | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 79-20-9 | Methyl Acetate | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 75-09-2 | Methylene Chloride | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | 0.41 | 0.5 | 1 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 110-82-7 | Cyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 78-93-3 | 2-Butanone | 5 | U | 1.3 | 2.5 | 5 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U | 0.35 | 0.5 | 1 | ug/L |
| 67-66-3 | Chloroform | 1 | U | 0.34 | 0.5 | 1 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | 0.4 | 0.5 | 1 | ug/L |
| 108-87-2 | Methylcyclohexane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 71-43-2 | Benzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | 0.48 | 0.5 | 1 | ug/L |
| 79-01-6 | Trichloroethene | 1 | U | 0.28 | 0.5 | 1 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 75-27-4 | Bromodichloromethane | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U | 2.1 | 2.5 | 5 | ug/L |
| 108-88-3 | Toluene | 1 | U | 0.37 | 0.5 | 1 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 1 | U | 0.29 | 0.5 | 1 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | U | 0.38 | 0.5 | 1 | ug/L |
| 591-78-6 | 2-Hexanone | 5 | U | 1.9 | 2.5 | 5 | ug/L |
| 124-48-1 | Dibromochloromethane | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1 | U | 0.41 | 0.5 | 1 | ug/L |

EGL
2/22/11

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/29/10 |
| Project: | Emerson St Landfill Proj#201173 | Date Received: | 12/30/10 |
| Client Sample ID: | RINSATE | SDG No.: | B4646 |
| Lab Sample ID: | B4646-09 | Matrix: | WATER |
| Analytical Method: | SW8260B | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCL |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VG032377.D | 1 | | 01/03/11 | VG010311 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethene | 1 | U | 0.27 | 0.5 | 1 | ug/L |
| 108-90-7 | Chlorobenzene | 1 | U | 0.49 | 0.5 | 1 | ug/L |
| 100-41-4 | Ethyl Benzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2 | U | 0.95 | 1 | 2 | ug/L |
| 95-47-6 | o-Xylene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 100-42-5 | Styrene | 1 | U | 0.36 | 0.5 | 1 | ug/L |
| 75-25-2 | Bromoform | 1 | U | 0.47 | 0.5 | 1 | ug/L |
| 98-82-8 | Isopropylbenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | U | 0.31 | 0.5 | 1 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | U | 0.43 | 0.5 | 1 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | U | 0.32 | 0.5 | 1 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | U | 0.45 | 0.5 | 1 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | U | 0.46 | 0.5 | 1 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | U | 0.2 | 0.5 | 1 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.4 | | 66 - 150 | | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.5 | | 76 - 130 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 44.5 | | 78 - 121 | | 89% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.5 | | 70 - 131 | | 93% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 463838 | 3.86 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 902988 | 4.65 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 791857 | 9.63 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 357781 | 13.33 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution