Waite
Environmental Management, LLC.

February 17, 2006

Mr. Gerold Noyes, P.E.
Mr. Hugo Martinez Cazon, P.E.
Vermont Department of Environmental Conservation
Waste Management Division
103 S. Main Street, West Building
Waterbury, Vermont 05671-0404

RE: 2005 Annual Monitoring Report
Bressett Site, Randolph, Vermont (Site #77-0019)

Dear Sirs:

Waite Environmental Management, LLC (WEM) is pleased to present two copies of the *2005 Annual Monitoring Report* for the Bressett Site in Randolph, Vermont. The report provides details and results of the October 2005 (4th Quarter) sampling event, as well as summarizes the results from 1st, 2nd, and 3rd Quarters. This report has been prepared in accordance with the requirements and conditions described in the *State of Vermont Contract for Personal Services* EC13-04.

A digital copy of the report (*.pdf) has been uploaded to the VT DEC's ftp site.

Do not hesitate to call me if you have any questions about the report or the work conducted. I can be reached at (802) 860-9400 or by email at mwaite@waiteenv.com.

Sincerely,

Miles E. Waite, Ph.D.
Principal Hydrogeologist

Enclosure

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2005 ANNUAL MONITORING REPORT

for the

BRESSETT SITE
RANDOLPH, VERMONT

VT DEC Site #77-0019

February 17, 2006

Prepared for:

STATE OF VERMONT
Vermont Department of Environmental Conservation
Waste Management Division
103 South Main Street, West Building
Waterbury, Vermont 05671-0404

Prepared by:

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1.0 INTRODUCTION

The following *2005 Annual Monitoring Report* for the Bressett Site in Randolph, Vermont (see attached Site Location Map in Appendix A) was prepared by Waite Environmental Management, LLC (WEM) for the Vermont Department of Environmental Conservation (VT DEC). This report has been completed in accordance WEM's contract with State of Vermont (contract EC13-04) for environmental monitoring.

This report includes discussion of the results of groundwater, drinking water, and surface water monitoring conducted by WEM during 2005. Monitoring locations were in the vicinity of the former Bressett Residence, Vermont Route 12, and Town Road #23. Events covered in this report include:

- Monitoring of eighteen (18) groundwater monitoring wells during April and October 2005.
- Monitoring of one (1) active supply well in April and October 2005.
- Monitoring of one (1) supply spring during April and October 2005.
- Monitoring of two (2) surface water locations in July 2005.

Monitoring at these locations was conducted in accordance with WEM's *Work Plan for Environmental Monitoring* ("Work Plan") [1], and the *Field/Lab Coordination Memorandum for Water Monitoring* ("FLCM-Water") [2].

Note that indoor air sampling at two (2) locations within the former Bressett Residence is part of the monitoring program for this Site. However, due to the fact that this residence was unoccupied during 2005, monitoring was not conducted. Historical results are addressed in this report.

All results except those from 4th Quarter 2005, which are discussed in this report, have been previously reported by WEM [3, 4, 5].

2.0 GROUNDWATER SAMPLING

Groundwater monitoring well sampling was conducted by WEM from a total of fifteen (15) wells on April 27-28, 2005 and on October 20-25, 2005. Wells sampled included six paired monitoring wells (MW-3S/D, MW4-S/D, MW-101S/D, MW-102S/D, MW-103S/D, MW-104S/D) and three bedrock monitoring wells (BRW-1, BRW-2, BRW-3). In addition, groundwater elevation measurement was conducted on an additional three (3) wells (MW-1, MW-2S/D). Sampling was conducted in accordance site protocols as specified in WEM's Work Plan and the FLCM-Water. All wells were in the general vicinity of the former Bressett residence. All well locations are shown in the Site Plan in Appendix A. Details and results of the sampling events are described below.

2.1 Groundwater Level Measurement

Prior to sampling, the water level in each well was measured with a water level probe. Using top-of-casing elevation data, the measurements were converted into groundwater elevations. Elevation data from April and October 2005 are shown with historical measurements in Table 1.1 in Appendix B. These data indicate the following:

- Groundwater elevation measurements in April 2005 were slightly higher than measurements from April 2003 and April 2004. No atypical measurements were noted.
- Groundwater elevation measurements in October 2005 were similar to measurements from October 2003 and October 2004. No atypical measurements were noted
- Well MW-103S was not dry during October 2005, as it typically is during October, but it had too little water in it to sample.
- Groundwater elevations fluctuate slightly with the seasons, and are typically higher in April than in October, often by several feet. The April 2005 average elevation was 2.20 feet higher than the October 2005 average elevation.

Groundwater elevations were also plotted to develop groundwater elevation maps for each sampling event (see Appendix A). As these maps show, the general direction of groundwater flow (based on shallow well data) was toward the southwest. The lateral hydraulic gradient, as calculated between MW-2S and MW-102S, was 0.034 ft/ft in April 2005 and 0.031 ft/ft in October 2005. Vertical hydraulic gradients calculated between the paired wells (see Table 1.1) were generally upward, ranging from 0.01 to 0.12 ft/ft. Only paired wells MW-101S/D had a measurable downward vertical gradient.

2.2 Groundwater Sample Collection

Paired monitoring wells MW-101S/D, MW-102S/D, MW-103S/D, MW-104S/D wells were purged and sampled using a low-flow methodology. These monitoring wells were purged using a peristaltic pump (Geotech Geopump II) connected to dedicated high density polyethylene (HDPE) tubing within each well that extended to a pre-specified intake depth. The dedicated HDPE tubing was connected to disposable silicon tubing that ran through the head of the peristaltic pump; new silicon tubing was used for each well purged. Purge rates, as specified by site protocols, ranged between 150-450 milliliters/minute (ml/min). During the purging process, the water level was monitored using a water level probe (Solinst) with a 0.25-inch probe, and geochemical parameters were measured using a water quality meter (Horiba U-22 Model U-22XD) with a flow cell connected to the outlet of the peristaltic pump. The following field geochemical parameters were monitored: dissolved oxygen, specific conductance, temperature, pH, turbidity, and redox potential. Wells were allowed to purge until geochemical parameters stabilized, as specified by site protocols. Upon stabilization, the silicon tubing was disconnected from the water meter. Samples were then collected directly from the outlet of the peristaltic pump. Stabilized parameter measurements are shown with historical data in Tables 1.2 through 1.7, and the field data sheets are provided in Appendix D.

Bedrock monitoring wells BRW-1, BRW-2, and BRW-3 were also purged and sampled using the low flow methodology as described above. However, the pump used was a submersible (Grundfos Redi-Flo II) with disposable flexible tubing. The pump was decontaminated with Alconox and deionized water prior to use and after use in each well. Purge rates and pump intake depths were as dictated by the site protocols. With the higher purge rates, the flow cell for the water quality meter could not be utilized, so water samples were regularly collected in a glass jar in which the probes for the water quality meter were inserted. Upon stabilization, samples were collected directly from the outlet of the disposable tubing. Refer to the field data sheets and Tables 1.2 through 1.7 for the stabilized geochemical parameter data.

Paired monitoring wells MW-3S/D, MW4-S/D were purged using dedicated bailers. Purge volumes were calculated as three (3) times the volume of water in the well. Upon reaching the desired purge volume in each well, a small volume of the water was collected in a glass jar in which the probes for the water quality meter were inserted. Refer to the field data sheets and Tables 1.2 through 1.7 for geochemical parameter data. Samples were then poured directly from the bailers into the sampling containers.

In all cases, the order of sample collection was as dictated by site protocols, and all samples were collected in pre-acidified sampling containers supplied by the laboratory and immediately placed on ice in a cooler. All samples were delivered by WEM to STL for analysis of volatile organic compounds via EPA Method 8260B. The following four target VOCs are monitored as part of this project: tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and trans-1,2-dichloroethene (trans-1,2-DCE). Results, in micrograms per liter (ug/L), are discussed below.

2.3 Discussion of Results

2.3.1 Field Geochemical Data

Field geochemical parameter measurements are summarized in Tables 1.2 through 1.7 in Appendix B. Based on these data, the geochemical parameter measurements from the monitoring wells in 2005 were generally within the historical range measured over the past three years. Anomalous measurements from April and October 2005 are discussed below:

- Dissolved Oxygen: wells MW-101S/D, MW-103D and MW-104D, and BRW-2 all had slightly elevated measurements in April 2005 and slightly depressed measurements in October 2005. No clear trends were noted.
- Specific Conductance: wells MW-101S, MW-102S, MW-103S/D, BRW-1, and BRW-3 all had slightly depressed measurements in April 2005. No clear trends were noted.
- pH: wells MW-104S/D and BRW-2 has slightly depressed measurements in April 2005, and wells MW-3S and MW-4D had depressed measurements in October 2005. No clear trends were noted.
- Turbidity: wells MW-101S/D and MW-102S/D had slightly elevated measurements in April 2005, and wells MW-101D, MW-103D, and MW-104S had elevated measurements in October 2005. Possible rising trends are apparent in these wells.
- Redox: Anomalous measurements were noted in MW-104D in April 2005 and in MW-101S and MW-102S in October 2005.

2.3.2 Laboratory Data

Validated laboratory analytical results are summarized in Table 2.0 in Appendix B. Full copies of the laboratory reports are presented in the Data Validation Reports [6, 8] prepared by Phoenix Chemistry Service, on file at the VT DEC offices in Waterbury.

The analytical results for the target compounds of interest during April and October 2005 are described below:

PCE

- PCE was reported above quantitation limits in wells MW-3S, MW-3D, MW-4S, MW-4D, MW-101S, MW-101D, and MW-102S during both April and October 2005.
- PCE was not reported above quantitation limits in any of the following wells: MW-102D, MW-103S/D, MW-104S/D, BRW-1, BRW-2, or BRW-3 during either April or October 2005.
- PCE concentrations increased between April and October 2005 in wells MW-3S, MW-3D, and MW-101S. PCE in all other wells remained stable.

TCE

- TCE was reported above quantitation limits in wells MW-3S, MW-3D, MW-4D, MW-101S, MW-101D, and MW-102S during both April and October 2005.
- TCE was not reported above quantitation limits in any of the following wells: MW-4S, MW-102D, MW-103S/D, MW-104S/D, BRW-1, BRW-2, or BRW-3 during either April or October 2005.
- TCE concentration increased between April and October in well MW-3S; this does not appear to be part of a long-term rising trend. There were no other significant changes in TCE concentrations between April and October 2005.

cis-1,2-DCE

- cis-1,2-DCE was reported above quantitation limits in wells MW-3S, MW-3D, MW-101S, MW-101D, and MW-102S during both April and October 2005. In well MW-4, cis-1,2-DCE was reported above quantitation limits in April, but at an estimated concentration below quantitation limits in October.
- cis-1,2-DCE was not reported above quantitation limits in any of the following wells: MW-4S, MW-102D, MW-103S/D, MW-104S/D, BRW-1, BRW-2, or BRW-3 during either April or October 2005.
- cis-1,2-DCE concentration increased between April and October in well MW-3S, but again not indicative of a rising trend. There were no other significant changes in cis-1,2-DCE concentrations between April and October 2005.

trans-1,2-DCE

- trans-1,2-DCE was reported above quantitation limits in MW-101D and at estimated concentrations in wells MW-3S, MW-3D, and MW-102S during both April and October 2005.
- trans-1,2-DCE was not reported above quantitation limits in any of the following wells: MW-4S/D, MW-101S, MW-102D, MW-103S/D, MW-104S/D, BRW-1, BRW-2, or BRW-3.
- No significant trends in trans-1,2-DCE concentrations were noted.

Compared to Vermont groundwater enforcement standard ("VGES")[9] most of the reported PCE and TCE concentrations were above the 5.0 ug/L standard for each compound. Wells out of compliance with VGES for PCE and/or TCE during both the April and October 2005 events include: MW-3S/D, MW-4D, MW-101D, and MW-102S. In addition, well MW-101D was out of compliance with the VGES for cis-1,2-DCE during both April and October 2005.

To compare the 2005 results to historical results, total VOC concentrations, calculated as the sum of PCE, TCE and 1,2-DCE, were plotted against time (see graphs in Appendix C). As these graphs show, long-term concentration trends are generally decreasing with time for wells MW-3S, MW-4S, MW-101D, and MW-102S. While well MW-4D showed a short-term increasing concentration trend during 2001/2002, concentrations now appear to be decreasing with time. Remaining wells either have no discernable trends or are steady with time. The wells that are not shown in the graphs in Appendix C are generally steadily non-detect with time.

Regarding the distribution of VOC contamination, the plume continues to extend in a general northeast/southwest orientation between wells MW-3S/D and MW-102S/D. The approximate limits of the plume during 2005 are shown in the Total Reported VOCs in Groundwater maps in Appendix A.

2.3.3 QA/QC Samples

As part of the quality assurance/quality control (QA/QC) program, WEM collected the following field duplicate samples during the April and October 2005 sampling events:

- MW-Z was collected in conjunction with MW-101D on April 28, 2005;
- MW-Z was collected in conjunction with MW-101D on October 20, 2005;
- MW-Y was collected in conjunction with MW-3D on October 21, 2005;

Duplicate samples were analyzed by STL using the same method (EPA Method 8260B). Based on the data validation reports [6, 8], precision in these field duplicate samples was acceptable (less than 30% RPD) for all target analytes greater than 2 times the quantitation limit.

During each day of sampling for the April and October sampling events, one field blank was prepared and one pre-containerized trip blank was added to the cooler and submitted for analysis by EPA Method 8260B. No target compounds were reported in any field blank or trip blank sample, indicating that the effect of spurious influences on sample quality was non-existent during the 2005 sampling events.

2.4 Discussion of Data Validation

The laboratory data from the April and October 2005 sampling events were validated by Phoenix Chemistry Services, an independent data validator. The validation was performed in accordance with Tier III guidelines as described by the USEPA Region I. Details are presented in the Data Validation Reports [6, 8] on file at the VT DEC offices in Waterbury. The text of the data validation report for the October 2005 sampling event is included in Appendix E.

Results for the target VOCs were determined to be valid as reported for all groundwater samples collected from the Site on April 26-28, 2005 (sample delivery group SDG No. BRES28) and on October 20-25, 2005 (SDG No. BRES30) with the following exceptions:

- On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, April 2005 results for tetrachloroethene in MW-102S, MW-101S, MW-101DDL and MW-ZDL were qualified as estimated (J).

- April and October 2005 results for tetrachloroethene initially outside the calibration range in the original analyses of samples MW-101D, MW-3S, MW-3D, MW-Z, were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples.

- April and October 2005 results for cis-1,2-dichloroethene initially outside the calibration range in the original analyses of samples MW-101D and MW-Z were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples.

There were qualifications made for some non-target VOCs (2-butanone, 2-hexanone, acetone) from some of the monitoring wells sampled during 2005, but none that applied to the target VOC analytes. No other issues that directly affect that validity of data were discovered by the data validator.

Documentation errors for these sample groups included improper edits on run logs (April & October), improper pH documentation on select samples (October), and a case narrative submitted with SDG. No. BRES30 that contained multiple errors. While these issues do not directly affect the validity of the data, they could be problematic if the result were to be used in a litigation situation.

2.5 Recommendations

Based on the above information, overburden groundwater at the Site continues to show evidence of chlorinated VOCs at concentrations that exceed applicable enforcement standards. Given these conditions, WEM recommends continuing the groundwater monitoring program as specified in the Work Plan and FLCM-Water. The next sampling event is scheduled for April 2006.

3.0 WATER SUPPLY SAMPLING

Water supply sampling was conducted by WEM from a spring at the former Bressett residence ("Bressett Spring"), and from the active bedrock well at the former Shields residence ("Shields Well") on April 26, 2005 and on October 21, 2005. Sampling was conducted in accordance with WEM's Work Plan and with the FLCM-Water. All sampling locations are shown in the Site Plan in Appendix A. Details and results of the water supply sampling event are described below.

It should be noted that the Bressett Spring has been "inactive" since the 1990s. However, the house is in the process of being refurbished, and the spring is now back online.

3.1 Water Supply Sample Collection

The Bressett Spring tile extends above the ground surface and is covered by a cement top. The spring sample was collected using a dedicated polyethylene bailer; no purging was conducted. The Shields well is accessed via an outside hand pump. The well was purged of approximately 70 gallons prior to sampling. The sample was colleted directly from the discharge of the hand pump.

All samples were delivered by WEM to STL. Water supply samples were submitted for analysis of volatile organic compounds via EPA Method 524.2. Results for PCE, TCE, cis-1,2-DCE and trans-1,2-DCE are discussed below.

3.2 Discussion of Results

Validated laboratory analytical results are summarized in Table 3.0 in Appendix B. Full copies of the laboratory reports are presented in Data Validation Reports prepared by Phoenix Chemistry Service [6, 8].

The analytical results indicate the following:

- No target VOCs were reported above quantitation limits in either the Bressett Spring or the Shields Well during either April or October 2005

Historical results indicate that the supply wells at the Site are regularly free of detectable VOCs. The last time VOCs (PCE only) were reported in the Bressett Spring and Shields Well was in 1997 and 1981, respectively.

3.2.1 QA/QC Samples

As part of the QA/QC program, WEM collected one (1) field duplicate sample (Well-Z) on April 26, 2005 and on October 21, 2005. Each sample was collected in conjunction with the sample from the Shields Well and analyzed by STL using the same method (EPA Method 524.2). No target compounds were detected in samples from the Shields Well or in the Well-Z samples, so precision could not be evaluated in this field duplicate pair.

WEM also prepared one (1) field blank and added one (1) pre-made trip blank to the cooler during each day of water supply sampling. All samples were submitted to STL for analysis by EPA Method 524.2. No target compounds were reported in any of these samples, indicating that the effect of spurious influences on sample quality was non-existent during the 2005 sampling events.

3.3 Discussion of Data Validation

The laboratory data from the April and October 2005 sampling events were validated by Phoenix Chemistry Services, an independent data validator. The validation was performed in accordance with Tier III guidelines as described by the USEPA Region I. Details are presented in the Data Validation Reports [6, 8] on file at the VT DEC offices in Waterbury. The text of the data validation report for the October 2005 sampling event is provided in Appendix E.

Results for the target VOCs were determined to be valid as reported for all groundwater samples collected from the Site on April 26, 2005 (sample delivery group SDG No. BRES28) and on October 21, 2005 (SDG No. BRES30) with the following exception:

- April 2005 Results for PCE in all samples analyzed by method 524.2 were qualified as estimated due to that fact that this compound was recovered at below the published QC performance limits in the external blind performance evaluation sample.

There were some documentation errors (refer to Section 2.4), but nothing that affected the validity of the water supply analytical data.

3.4 Recommendations

Due to the continuing presence of chlorinated VOCs in the overburden aquifer as described in Section 2.0, WEM recommends continuing the supply well monitoring program as specified in the Work Plan and FLCM-Water. The next sampling event is scheduled for April 2006.

4.0 SURFACE WATER SAMPLING

Surface water sampling was conducted by WEM on July 25, 2005. Sampling was conducted in accordance with the Work Plan and the FLCM-Water. As dictated by the Work Plan, there had been at least 36 hours without precipitation prior to the collection of surface water samples. Details and results of the water sampling event are described below.

Regular sampling locations, labeled as SW-1 and SW-2 in the Site Map in Appendix A, are along the Howard Hill Brook, and an unnamed tributary of the Ayers Brook. The unnamed tributary of the Ayers Brook (SW-1) had water present, but no visible flow was occurring. This sample was collected by dipping the sample container directly into the pool of water. The Howard Hill Brook sample (SW-2) was not collected from the location shown on the Site Plan, as this location was inundated with water from Ayers Brook due to a beaver dam on the Ayers Brook and not fully representative of the water quality from the Howard Hill Brook watershed. WEM decided to collect the sample from upstream on the Howard Hill Brook, at the culvert outfall under Route 12. The sample was collected by dipping the container into the pool of water below the outfall. The flow rate was measured 26 gallons per minute from the lip of the culvert.

All samples were delivered by WEM to STL for analysis of volatile organic compounds via EPA Method 8260B on the day of sampling. Results for PCE, TCE, cis-1,2-DCE and trans-1,2-DCE are discussed below.

4.1 Discussion of Results

Surface water sampling results from July 2005 are summarized in Table 4.0 in Appendix B. These results have been validated by an independent validator (see Section 4.2). Full copies of the laboratory report are presented in the data validation report [7].

The laboratory results indicate that VOCs were not reported above quantitation limits in either sample collected during the July 2005 sampling event. Based on results dating back to 2001 (see Table 4.0), target VOCs are not regularly detected at these two sampling locations.

4.1.1 QA/QC Samples

As part of the QA/QC program, WEM collected one (1) field duplicate sample (SW-X) on July 25, 2005. This sample was collected in conjunction with the sample SW-2 and analyzed by STL using the same method (EPA Method 8260B). No target compounds were detected in sample SW-2 or SW-X, so precision could not be evaluated in this field duplicate pair.

WEM also one (1) trip blank (TB-2) and one (1) field blank (FB-2) on July 25, 2005. No target compounds were reported in either sample, indicating that the effect of spurious influences on sample quality was non-existent during the July 2005 sampling event.

4.2 Discussion of Data Validation

The laboratory data were validated by Phoenix Chemistry Services, an independent data validator. The validation was performed in accordance with Tier III guidelines as described by the USEPA Region I. Details are presented in the report [7] on file at the VT DEC offices in Waterbury.

Results for the target VOCs were determined to be valid as reported for all surface water samples collected on July 26, 2005 (SDG No. BRES29). There were qualifications made for a non-target VOC (styrene) in this sample delivery group, and a documentation error, but no issues that directly affect that validity of data from the July 2005 sampling event.

4.3 Recommendations

Due to the continuing presence of chlorinated VOCs in the overburden aquifer as described in Section 2.0, WEM recommends continuing the surface water monitoring program as specified in the Work Plan and FLCM-Water. The next sampling event is scheduled for July 2006.

5.0 INDOOR AIR SAMPLING

The single air sampling location at this Site is the former Bressett residence (refer to Site Plan in Appendix A). Samples are typically collected from the first floor ("BRST1FLR") and the basement ("BRSTBSMT") of this location during the 1st and 3rd quarters of each year. According to the current air sampling protocol for this Site, indoor air samples are not collected when the former Bressett residence is unoccupied.

The former Bressett residence is currently owned by UniFirst. WEM communicated with UniFirst in preparation of the 1st and 3rd Quarter indoor air sampling events, and established that the former Bressett residence was unoccupied during both sampling events. Hence, indoor air sampling was not conducted during 2005. However, the house is the process of being refurbished, and will soon be occupied once again.

For historical air monitoring results collected from the Site, refer to Table 5.0 and the graphs in Appendix B. These results indicate that detectable levels of all target VOCs have been detected inside the Bressett Residence, particularly in the basement. During the previous three sampling events (January 2001, July 2001, and July 2002) the PCE concentration has been in excess of the state's guidance level for this compound. Note that the air sampling location has been vacant or inaccessible for much of the past 2.5 years.

5.1 Recommendations

Given the presence of VOCs in the overburden groundwater and historical indoor air sampling results and the fact that the house will soon be occupied, WEM recommends that air sampling continue as specified in the Work Plan and FLCM-Air. Air sampling was conducted by WEM on February 8, 2006 and will be again sampled in July 2006.

6.0 REFERENCES

1. Waite Environmental Management, LLC, *Work Plan for Environmental Monitoring at the UniFirst Plant Site, Williamstown, Vermont, Wheatley Farm Site, Brookfield, Vermont, Bressett Site, Randolph, Vermont,* February 6, 2004.

2. Phoenix Chemistry Services, *Field/Lab Coordination Memorandum for Water Monitoring, UniFirst Plant Site, Williamstown, Vermont, Wheatley Farm Site, Brookfield, Vermont, Bressett Site, Randolph, Vermont,* April 2, 2004.

3. Waite Environmental Management, LLC, *1st Quarter 2004 Monitoring Report, Bressett Site, Randolph, Vermont,* April 8, 2005.

4. Waite Environmental Management, LLC, *2nd Quarter 2004 Monitoring Report, Bressett Site, Randolph, Vermont,* July 21, 2005.

5. Waite Environmental Management, LLC, *3rd Quarter 2004 Monitoring Report, Bressett Site, Randolph, Vermont,* October 19, 2005.

6. Phoenix Chemistry Services, *Data Validation for the UniFirst Project, Bressett and UniFirst Sites, Randolph and Williamstown, VT, Organic Analyses Data, Volatile Organics in Water Samples, Sample Delivery Group Nos. BRES28 and UNIF20,* July 5, 2005.

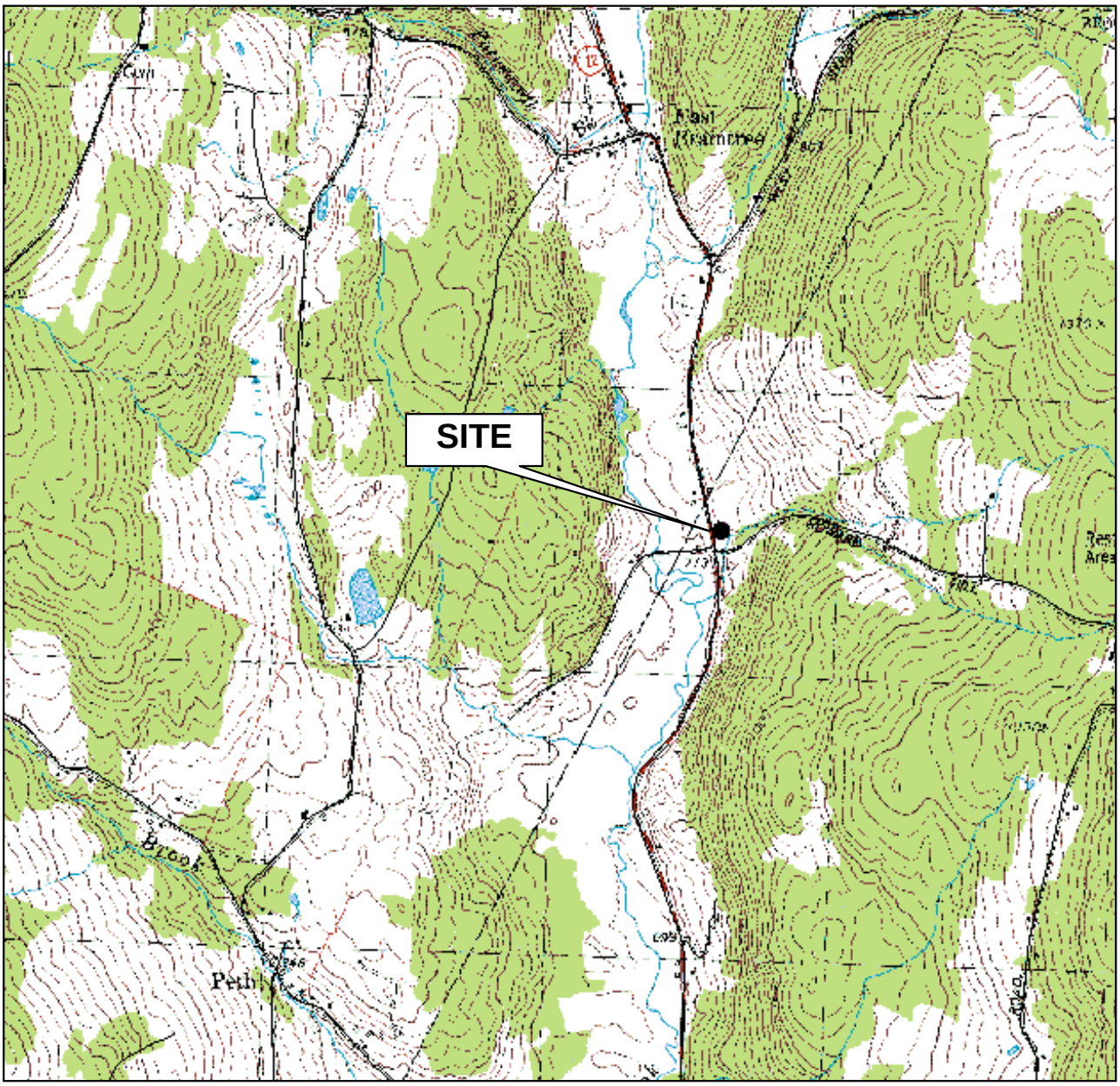
7. Phoenix Chemistry Services, *Data Validation for the UniFirst Project, Bressett and UniFirst Sites, Randolph and Williamstown, VT (Sample Delivery Group Nos. UNIF23 and BRES29),* October 12, 2005.

8. Phoenix Chemistry Services, *Data Validation for the UniFirst Project, Bressett, UniFirst, and Wheatley Sites, Randolph, Williamstown, and Brookfield, VT, Organic Analyses Data, Volatile Organics in Water Samples, Sample Delivery Group Sample Delivery Group Nos. BRES30, UNIF16, UNIF24, and WHEA11,* February 10, 2006.

9. State of Vermont, Agency of Natural Resources, Department of Environmental Conservation, *Chapter 12, Groundwater Protection Rule and Strategy*, January 20, 2000.

APPENDIX A:

FIGURES



N

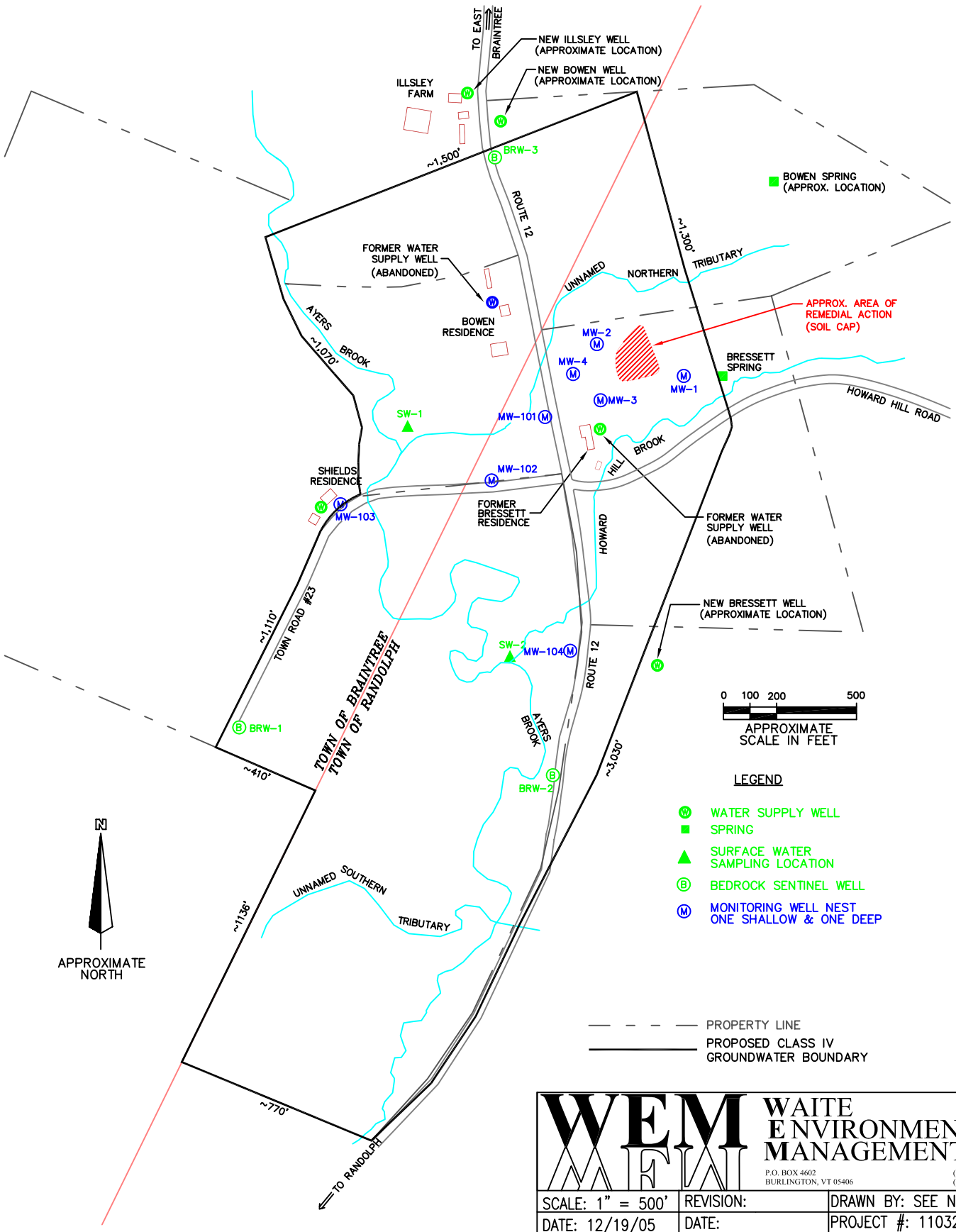
Map Source: *USGS Mapping 7.5 Minute Quadrangle: Randolph (1981)*

Waite Environmental Management, LLC

SITE LOCATION MAP

Bressett Site
Randolph, Vermont

Date: 01/04/05	Drawing No. 1	Scale: 1:24,000	By: MEW



NOTES:
1. MAP SOURCE IS "PLATE 1: SITE MAP, BRESSETT SITE, RANDOLPH, VERMONT" PREPARED BY THE JOHNSON COMPANY, INC. MAP DRAWN ON 4/25/00 BY TJK, MOST RECENTLY REVISED BY TJK ON 8/16/04. MAP TEXT WAS REVISED BY MEW OF WAITE ENVIRONMENTAL MGT ON 12/19/05.

WAITE ENVIRONMENTAL MANAGEMENT
P.O. BOX 4602
BURLINGTON, VT 05406
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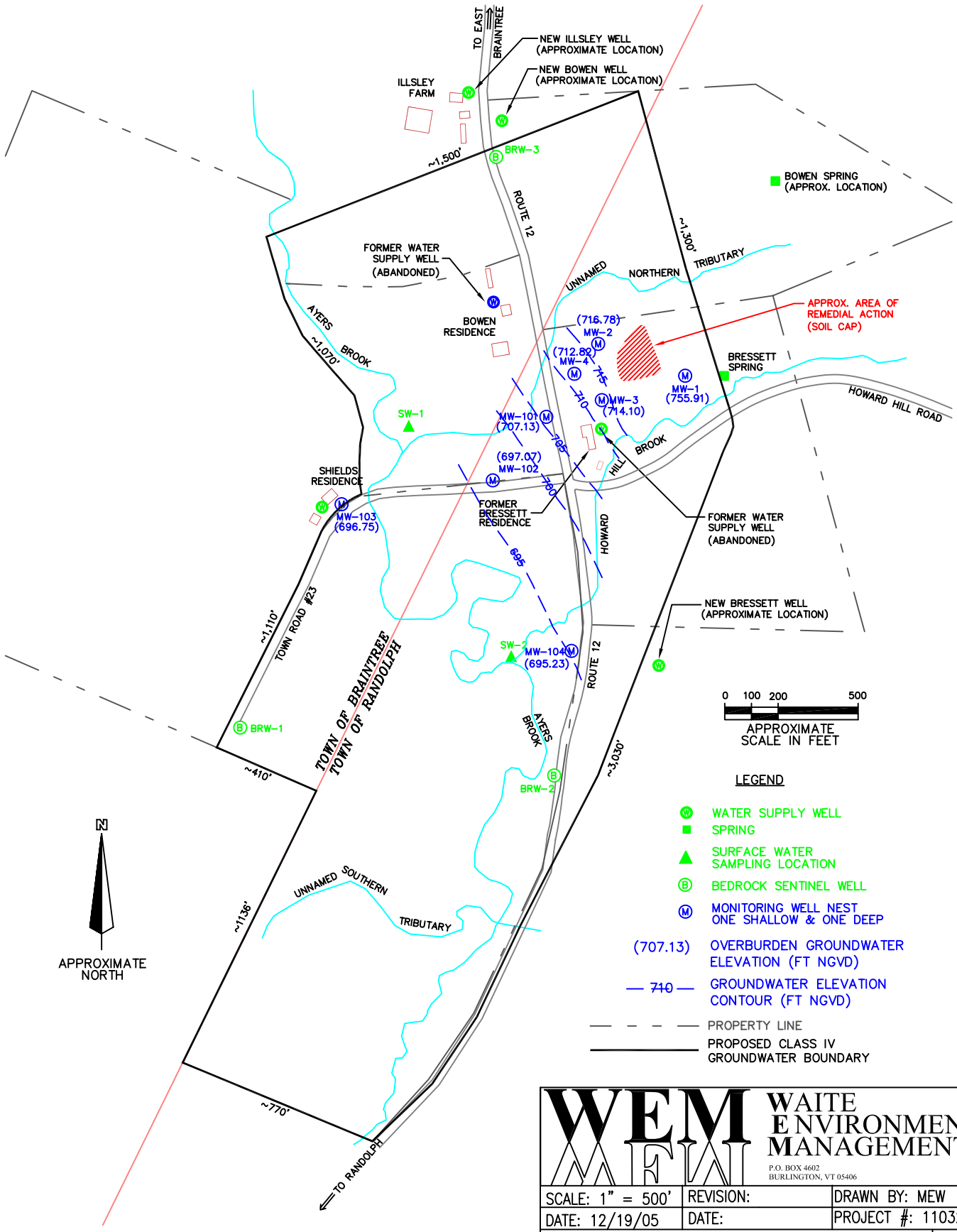
SCALE: 1" = 500'	REVISION:	DRAWN BY: SEE NOTE
DATE: 12/19/05	DATE:	PROJECT #: 110320012

SITE PLAN

BRESSETT SITE
RANDOLPH, VERMONT



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2. GROUNDWATER ELEVATIONS ARE FROM THE SHALLOW PAIRED WELL.
3. ELEVATIONS MEASURED BY WEM ON OCTOBER 20-21, 2005.

WAITE ENVIRONMENTAL MANAGEMENT
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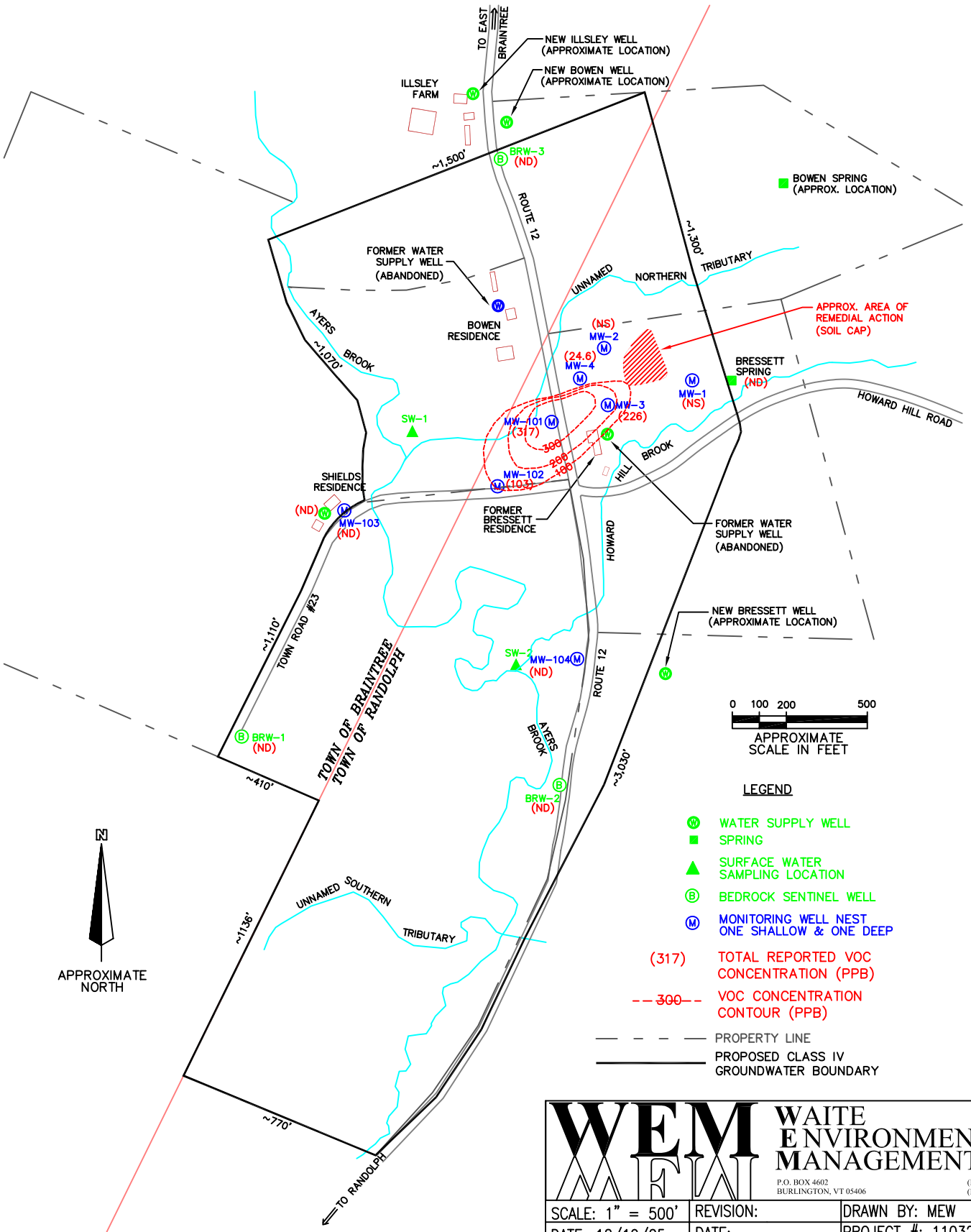
SCALE: 1" = 500'	REVISION:	DRAWN BY: MEW
DATE: 12/19/05	DATE:	PROJECT #: 110320012

GROUNDWATER ELEVATION CONTOUR MAP
OCTOBER 2005
BRESSETT SITE
RANDOLPH, VERMONT



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2. TOTAL REPORTED VOC CONCENTRATION IS CALCULATED AS THE SUM OF PCE, TCE, AND 1,2-DCE CONCENTRATIONS. FOR THE PAIRED WELLS, THE MAXIMUM CONCENTRATION IS USED.
3. ND = VOCs NOT DETECTED BY EITHER EPA METHOD 8260B OR 524.2; NS = NOT SAMPLED

WAITE ENVIRONMENTAL MANAGEMENT
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BURLINGTON, VT 05406
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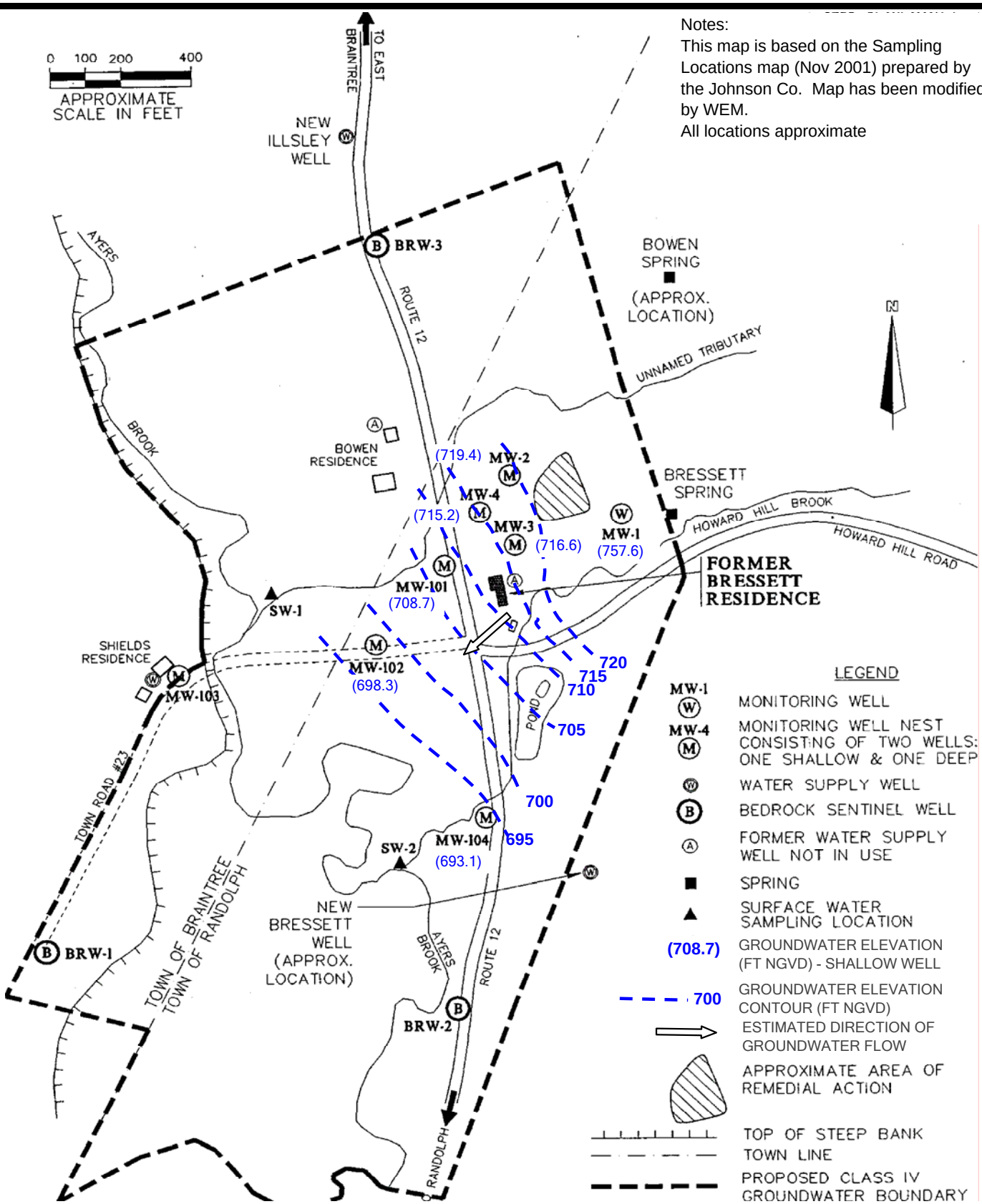
SCALE: 1" = 500'	REVISION:	DRAWN BY: MEW
DATE: 12/19/05	DATE:	PROJECT #: 110320012

VOC CONCENTRATION CONTOUR MAP
OCTOBER 2005
BRESSETT SITE
RANDOLPH, VERMONT



Waite Environmental Management, LLC

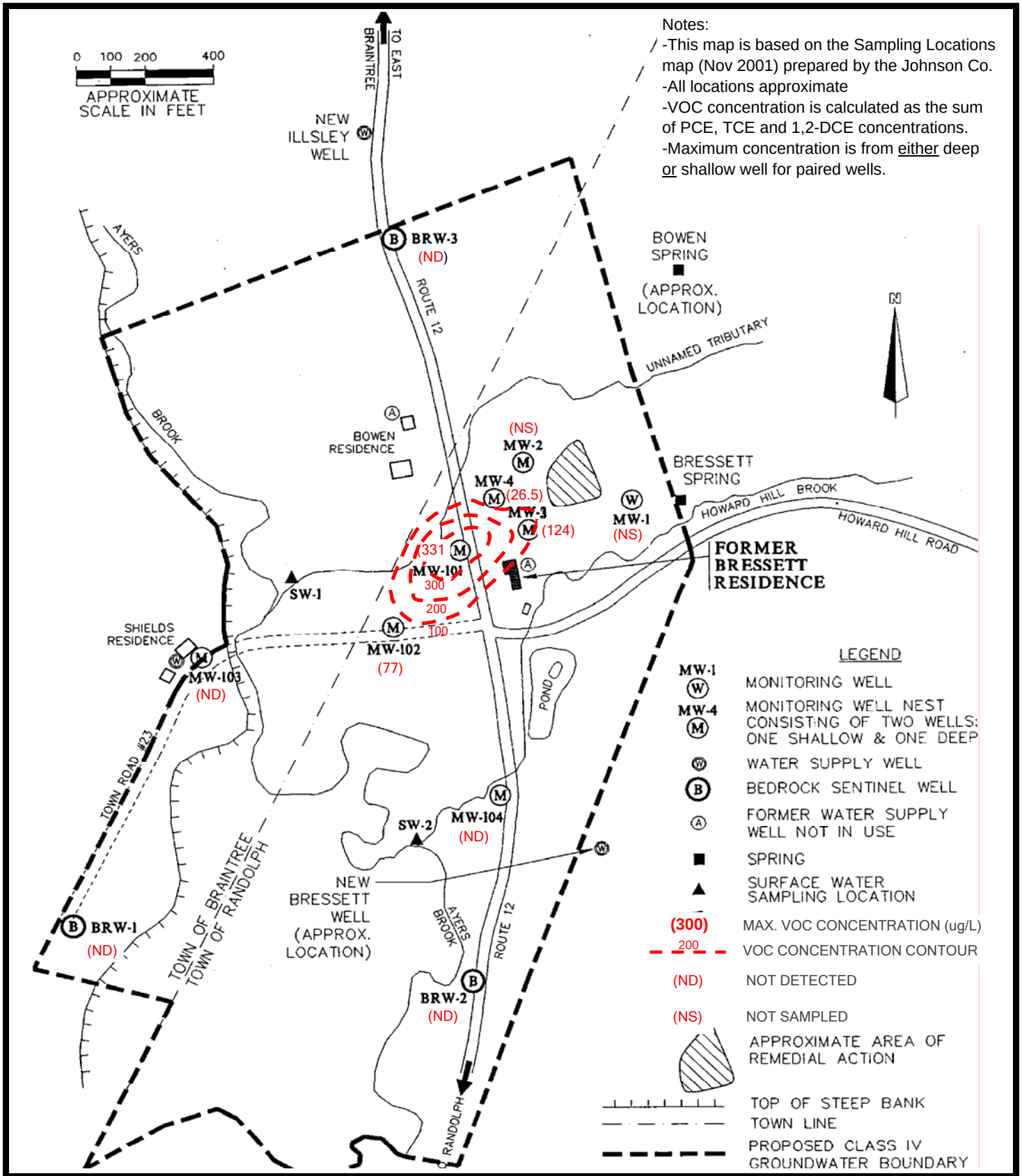
GROUNDWATER ELEVATION CONTOUR MAP

APRIL 2005

Bressett Site

Randolph, Vermont

Date: 07/15/05	Drawing No. 3	Scale: 1" = 400'	By: MEW



Waite Environmental Management, LLC

TOTAL REPORTED VOCS IN GROUNDWATER

APRIL 2005

Bressett Site

Randolph, Vermont

Date: 07/15/05	Drawing No. 4	Scale: 1" = 400'	By: MEW

APPENDIX B:

TABLES

WEM

TABLE 1.1
Groundwater Elevation Measurements: 2004 - 2005
Bressett Site, Randolph, Vermont

Location	Type	Units	Screen Center Elevation	Apr-04	Oct-04	Apr-05	Oct-05	Apr-05 Vertical Hydraulic Gradient (ft/ft)	Oct-05 Vertical Hydraulic Gradient (ft/ft)
MW-101D	Monitoring Well	FT	690.52	705.35	705.24	707.40	705.95	-0.13	-0.11
MW-101S	Monitoring Well	FT	701.03	707.36	706.26	708.73	707.13		
MW-102D	Monitoring Well	FT	674.76	697.66	696.96	698.29	697.11	0.00	0.00
MW-102S	Monitoring Well	FT	689.46	697.59	696.73	698.26	697.07		
MW-103D	Monitoring Well	FT	685.48	700.19	697.67	701.17	698.21	0.03	0.12
MW-103S	Monitoring Well	FT	697.39	702.02	DRY	700.84	696.75		
MW-104D	Monitoring Well	FT	676.26	696.02	695.26	697.07	696.07	0.00	0.06
MW-104S	Monitoring Well	FT	690.98	696.79	695.24	697.13	695.23		
MW-1	Monitoring Well	FT	755.60	756.32	754.61	757.58	755.91	NA	NA
MW-2D	Monitoring Well	FT	683.40	NA	NA	NA	NA	NA	NA
MW-2S	Monitoring Well	FT	714.50	719.65	717.19	719.42	716.78		
MW-3D	Monitoring Well	FT	664.55	718.84	716.19	719.73	715.80	0.06	0.03
MW-3S	Monitoring Well	FT	714.09	716.64	714.17	716.61	714.10		
MW-4D	Monitoring Well	FT	689.82	714.65	712.87	715.35	713.01	0.01	0.01
MW-4S	Monitoring Well	FT	711.44	715.06	713.07	715.20	712.82		
BRW-1	Monitoring Well	FT	659.30	710.48	703.66	708.15	704.10	NA	NA
BRW-2	Monitoring Well	FT	639.40	698.80	700.25	696.49	696.49	NA	NA
BRW-3	Monitoring Well	FT	678.00	724.41	720.42	724.82	720.45	NA	NA

Notes:
-All elevations in feet above NGVD; "NGVD" = National Geodetic Vertical Datum (1988).
-"Dry" = well dry during monitoring event; "NA" = not applicable.
-Negative sign ("-") indicates downward vertical gradient. Positive numbers indicate upward vertical gradients.
-Data from 2002-2003 and screen center elevations are from Tighe & Bond reports: "2002 Monitoring Report Summary, Bressett Site" (March 12, 2003) and "2003 Monitoring Report Summary, Bressett Site" (March 12, 2004).
-Data starting in 2004 collected by Waite Environmental Management; refer to field data sheets for depth to water measurements.

WEM

TABLE 1.2
Dissolved Oxygen Field Measurements: 2002 - 2005
Bressett Site, Randolph, Vermont

Location	Type	Units	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Oct-04	Apr-05	Oct-05
MW-101D	Monitoring Well	mg/L	0.00	NA	5.96	3.90	3.12	2.55	6.31	1.65
MW-101S	Monitoring Well	mg/L	0.00	0.64	4.26	0.00	0.39	0.28	5.32	0.00
MW-102D	Monitoring Well	mg/L	0.00	1.15	1.73	0.00	0.39	0.30	5.19	0.00
MW-102S	Monitoring Well	mg/L	2.94	8.87	7.48	8.86	4.68	5.21	6.74	4.33
MW-103D	Monitoring Well	mg/L	0.00	4.43	0.00	0.00	0.71	0.31	5.25	0.00
MW-103S	Monitoring Well	mg/L	6.56	DRY	6.79	DRY	5.26	DRY	9.08	DRY
MW-104D	Monitoring Well	mg/L	7.69	1.32	6.91	0.00	0.65	0.70	5.52	0.00
MW-104S	Monitoring Well	mg/L	3.52	5.17	3.61	1.50	7.60	2.78	8.57	2.20
MW-1	Monitoring Well	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	Monitoring Well	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	Monitoring Well	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	Monitoring Well	mg/L	7.47	6.02	13.26	2.61	13.38	3.65	8.99	11.64
MW-3S	Monitoring Well	mg/L	7.56	12.74	11.61	7.61	11.46	11.05	11.73	11.87
MW-4D	Monitoring Well	mg/L	9.68	14.10	11.34	8.76	13.39	10.68	9.44	11.15
MW-4S	Monitoring Well	mg/L	8.87	13.43	12.41	8.26	10.75	9.68	11.17	10.06
BRW-1	Monitoring Well	mg/L	1.55	4.16	1.68	3.44	7.82	4.52	10.32	4.56
BRW-2	Monitoring Well	mg/L	0.00	5.29	0.00	0.00	6.08	1.95	8.86	0.00
BRW-3	Monitoring Well	mg/L	8.06	7.80	8.26	6.51	10.36	7.40	10.41	7.30

Notes:
-"Dry" = well dry during monitoring event; "NA" = not applicable.
-Data from 2002-2003 collected by Tighe & Bond and reported in "2002 Monitoring Report Summary, Bressett Site" (March 12, 2003) and "2003 Monitoring Report Summary, Bressett Site" (March 12, 2004).
-Data starting in 2004 collected by Waite Environmental Management.

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TABLE 1.3
Specific Conductance Field Measurements: 2002 - 2005
Bressett Site, Randolph, Vermont

Location	Type	Units	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Oct-04	Apr-05	Oct-05
MW-101D	Monitoring Well	us/cm	851	NA	546	806	739	855	591	669
MW-101S	Monitoring Well	us/cm	618	440	386	652	529	469	221	273
MW-102D	Monitoring Well	us/cm	356	235	223	308	297	354	238	272
MW-102S	Monitoring Well	us/cm	504	354	312	445	380	489	277	367
MW-103D	Monitoring Well	us/cm	233	194	241	256	213	285	148	230
MW-103S	Monitoring Well	us/cm	192	DRY	201	DRY	161	DRY	137	DRY
MW-104D	Monitoring Well	us/cm	334	209	438	302	262	317	201	213
MW-104S	Monitoring Well	us/cm	396	296	522	371	238	394	327	337
MW-1	Monitoring Well	us/cm	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	Monitoring Well	us/cm	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	Monitoring Well	us/cm	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	Monitoring Well	us/cm	523	275	323	878	965	538	328	371
MW-3S	Monitoring Well	us/cm	780	472	372	981	512	639	361	519
MW-4D	Monitoring Well	us/cm	351	242	237	621	327	320	240	286
MW-4S	Monitoring Well	us/cm	201	202	163	528	186	236	144	189
BRW-1	Monitoring Well	us/cm	252	286	261	215	199	230	158	189
BRW-2	Monitoring Well	us/cm	356	278	348	320	298	377	255	299
BRW-3	Monitoring Well	us/cm	655	544	632	477	437	447	312	468

Notes:
- All conductivity meaurements in microsiemens per centimeter (us/cm).
-"Dry" = well dry during monitoring event; "NA" = not applicable.
-Data from 2002-2003 collected by Tighe & Bond and reported in "2002 Monitoring Report Summary, Bressett Site" (March 12, 2003) and "2003 Monitoring Report Summary, Bressett Site" (March 12, 2004).
-Data starting in 2004 collected by Waite Environmental Management.

WEM

TABLE 1.4
Temperature Field Measurements: 2002 - 2005
Bressett Site, Randolph, Vermont

Location	Type	Units	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Oct-04	Apr-05	Oct-05
MW-101D	Monitoring Well	deg C	8.6	NA	9.0	10.4	9.1	10.2	8.8	11.1
MW-101S	Monitoring Well	deg C	6.3	12.9	6.5	12.8	7.5	13.2	6.1	14.6
MW-102D	Monitoring Well	deg C	7.9	8.5	9.0	8.7	10.0	8.7	8.4	10.0
MW-102S	Monitoring Well	deg C	6.0	10.1	6.8	9.9	7.9	10.1	7.2	11.5
MW-103D	Monitoring Well	deg C	7.6	9.1	8.0	9.1	9.9	10.0	7.7	11.2
MW-103S	Monitoring Well	deg C	7.5	DRY	8.3	DRY	7.0	DRY	5.0	DRY
MW-104D	Monitoring Well	deg C	6.9	10.0	10.6	10.7	7.4	10.4	7.7	12.1
MW-104S	Monitoring Well	deg C	6.3	12.6	10.6	11.1	5.4	12.1	6.7	14.1
MW-1	Monitoring Well	deg C	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	Monitoring Well	deg C	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	Monitoring Well	deg C	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	Monitoring Well	deg C	5.1	10.9	8.9	8.6	13.1	8.7	8.9	9.0
MW-3S	Monitoring Well	deg C	5.2	9.8	9.0	8.4	11.3	9.2	8.5	9.5
MW-4D	Monitoring Well	deg C	6.4	9.9	8.9	9.0	11.8	9.3	8.5	9.4
MW-4S	Monitoring Well	deg C	6.7	9.5	8.7	9.2	10.5	9.9	8.3	10.1
BRW-1	Monitoring Well	deg C	8.5	9.9	8.5	8.5	9.7	9.6	9.6	10.4
BRW-2	Monitoring Well	deg C	8.8	10.3	7.9	9.9	10.9	10.9	10.0	11.3
BRW-3	Monitoring Well	deg C	9.4	10.2	8.4	9.5	10.4	10.3	10.5	10.7

Notes:
- All temperature measurements in degrees Celsius (deg C).
-"Dry" = well dry during monitoring event; "NA" = not applicable.
-Data from 2002-2003 collected by Tighe & Bond and reported in "2002 Monitoring Report Summary, Bressett Site" (March 12, 2003) and "2003 Monitoring Report Summary, Bressett Site" (March 12, 2004).
-Data starting in 2004 collected by Waite Environmental Management.

WEM

TABLE 1.5
pH Field Measurements: 2002 - 2005
Bressett Site, Randolph, Vermont

Location	Type	Units	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Oct-04	Apr-05	Oct-05
MW-101D	Monitoring Well	unitless	7.11	NA	7.27	6.86	7.08	7.61	7.02	6.08
MW-101S	Monitoring Well	unitless	6.32	6.45	6.44	6.29	7.05	7.14	6.65	6.94
MW-102D	Monitoring Well	unitless	7.68	8.22	7.81	7.32	7.56	8.42	7.93	7.81
MW-102S	Monitoring Well	unitless	7.45	7.52	7.69	7.31	7.65	8.09	7.67	7.87
MW-103D	Monitoring Well	unitless	6.89	8.00	7.01	7.61	6.71	7.85	6.70	7.36
MW-103S	Monitoring Well	unitless	6.13	DRY	6.33	DRY	6.67	DRY	6.01	DRY
MW-104D	Monitoring Well	unitless	7.57	8.16	7.96	7.91	8.07	8.01	7.59	7.09
MW-104S	Monitoring Well	unitless	6.59	7.05	7.26	7.47	7.04	7.07	6.95	6.65
MW-1	Monitoring Well	unitless	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	Monitoring Well	unitless	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	Monitoring Well	unitless	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	Monitoring Well	unitless	7.46	7.68	7.68	7.40	7.40	7.95	7.50	7.59
MW-3S	Monitoring Well	unitless	7.25	7.42	7.45	7.28	7.25	7.65	7.31	5.41
MW-4D	Monitoring Well	unitless	7.00	7.75	7.89	7.60	7.63	8.31	7.45	5.02
MW-4S	Monitoring Well	unitless	7.84	7.75	6.80	7.41	7.47	8.46	7.50	6.70
BRW-1	Monitoring Well	unitless	7.49	7.71	7.45	8.21	7.91	8.36	7.36	7.58
BRW-2	Monitoring Well	unitless	7.24	7.17	7.31	8.12	7.75	8.14	6.98	7.43
BRW-3	Monitoring Well	unitless	7.00	6.96	6.74	7.91	7.59	7.97	6.76	8.19

Notes:
-"Dry" = well dry during monitoring event; "NA" = not applicable.
-Data from 2002-2003 collected by Tighe & Bond and reported in "2002 Monitoring Report Summary, Bressett Site" (March 12, 2003) and "2003 Monitoring Report Summary, Bressett Site" (March 12, 2004).
-Data starting in 2004 collected by Waite Environmental Management.

WEM

TABLE 1.6
Turbidity Field Measurements: 2002 - 2005
Bressett Site, Randolph, Vermont

Location	Type	Units	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Oct-04	Apr-05	Oct-05
MW-101D	Monitoring Well	NTU	0.93	NA	0.60	3.30	0.0	0.0	29.7	> 1000
MW-101S	Monitoring Well	NTU	0.40	2.2	0.95	1.60	0.0	0.0	53.8	72.5
MW-102D	Monitoring Well	NTU	0.50	2.9	1.70	0.75	7.2	13.7	56.2	28.7
MW-102S	Monitoring Well	NTU	0.06	2.5	0.62	0.50	6.9	15.7	37.4	4.9
MW-103D	Monitoring Well	NTU	4.76	6.2	4.10	5.60	20.7	10.3	15.8	230
MW-103S	Monitoring Well	NTU	36.7	DRY	3.40	DRY	262	DRY	34	DRY
MW-104D	Monitoring Well	NTU	65	180	301	400	> 1000	> 1000	> 1000	> 1000
MW-104S	Monitoring Well	NTU	2.31	2.8	1.61	0.06	6.0	0.0	4.4	73.8
MW-1	Monitoring Well	NTU	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	Monitoring Well	NTU	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	Monitoring Well	NTU	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	Monitoring Well	NTU	> 1000	> 1000	796	> 1000	> 1000	> 1000	> 1000	> 1000
MW-3S	Monitoring Well	NTU	300	684	275	742	92.4	212	271	> 1000
MW-4D	Monitoring Well	NTU	36	67	169	265	427	425	464	115
MW-4S	Monitoring Well	NTU	290	336	240	197	163	162	162	32
BRW-1	Monitoring Well	NTU	0.84	1.0	0.95	1.80	10.2	46.0	1.1	9.8
BRW-2	Monitoring Well	NTU	45.3	16	36.1	116	87.2	273	67	109
BRW-3	Monitoring Well	NTU	4.00	3.7	4.80	2.60	0.0	52.8	12.9	6.7

Notes:
-All turbidity measurements in nephelometric turbidity units (NTU).
-"Dry" = well dry during monitoring event; "NA" = not applicable.
-Data from 2002-2003 collected by Tighe & Bond and reported in "2002 Monitoring Report Summary, Bressett Site" (March 12, 2003) and "2003 Monitoring Report Summary, Bressett Site" (March 12, 2004).
-Data starting in 2004 collected by Waite Environmental Management.

WEM

TABLE 1.7
Redox Potential Field Measurements: 2002 - 2005
Bressett Site, Randolph, Vermont

Location	Type	Units	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Oct-04	Apr-05	Oct-05
MW-101D	Monitoring Well	mV	126	NA	132	210	126	105	146	85
MW-101S	Monitoring Well	mV	125	158	154	175	123	111	142	31
MW-102D	Monitoring Well	mV	-54	-153	-150	-167	82	-220	-86	-221
MW-102S	Monitoring Well	mV	66	130	88	162	78	79	84	-23
MW-103D	Monitoring Well	mV	-24	-174	-31	-166	112	-218	-26	-217
MW-103S	Monitoring Well	mV	171	DRY	184	DRY	93	DRY	170	DRY
MW-104D	Monitoring Well	mV	75	-138	-61	-48	-172	-139	17	-122
MW-104S	Monitoring Well	mV	242	75	-76	130	180	89	133	64
MW-1	Monitoring Well	mV	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	Monitoring Well	mV	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S	Monitoring Well	mV	NA	NA	NA	NA	NA	NA	NA	NA
MW-3D	Monitoring Well	mV	174	99	141	-31	139	196	158	150
MW-3S	Monitoring Well	mV	173	138	143	-10	160	167	167	162
MW-4D	Monitoring Well	mV	180	99	152	103	149	163	160	179
MW-4S	Monitoring Well	mV	159	59	190	110	171	105	151	200
BRW-1	Monitoring Well	mV	109	62	120	108	78	9	69	136
BRW-2	Monitoring Well	mV	56	-122	63	-192	36	-156	-75	-170
BRW-3	Monitoring Well	mV	137	135	128	143	128	95	268	36

Notes:
-All redox potential measurements in millivolts (mV).
-"Dry" = well dry during monitoring event; "NA" = not applicable.
-Data from 2002-2003 collected by Tighe & Bond and reported in "2002 Monitoring Report Summary, Bressett Site" (March 12, 2003) and "2003 Monitoring Report Summary, Bressett Site" (March 12, 2004).
-Data starting in 2004 collected by Waite Environmental Management.

WEM

TABLE 2.0
MONITORING WELL RESULTS: 2003-2005
Bressett Site, Randolph, Vermont

Location	Parameter Method 8260B	Guidance Level	Units	Oct-03	Apr-04	Oct-04	Apr-05	Oct-05
MW-3S	PCE	5.0	ug/L	170	91	130	86	150
	TCE	5.0	ug/L	45	24	48	19	37
	cis-1,2-DCE	70.0	ug/L	55	17	47	17	36
	trans-1,2-DCE	100.0	ug/L	1.0 U	0.57 J	1.2	0.54 J	0.97 J
MW-3D	PCE	5.0	ug/L	240	220	130	77	110
	TCE	5.0	ug/L	31	26	20	9.3	15
	cis-1,2-DCE	70.0	ug/L	34	22	16	6.5	13
	trans-1,2-DCE	100.0	ug/L	1.0 U	7.3 U	0.51 J	0.28 J	0.42 J
MW-4S	PCE	5.0	ug/L	4.5	2.6 J	2.6	2.2	2.2
	TCE	5.0	ug/L	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-DCE	70.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-DCE	100.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-4D	PCE	5.0	ug/L	29	27	15	22	21
	TCE	5.0	ug/L	5.6	4.5	2.5	3.3	2.8
	cis-1,2-DCE	70.0	ug/L	4.2	2.4	1.2	1.1	0.74 J
	trans-1,2-DCE	100.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-101S	PCE	5.0	ug/L	12	19	16	18	17 J
	TCE	5.0	ug/L	3.1	5.1	5.7	6.7	3.8
	cis-1,2-DCE	70.0	ug/L	2.1	5.3	6.7	7.9	5.7
	trans-1,2-DCE	100.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-101D	PCE	5.0	ug/L	200	200	170	190	180 J
	TCE	5.0	ug/L	42	42	40	46	46
	cis-1,2-DCE	70.0	ug/L	51	62	68	88	75
	trans-1,2-DCE	100.0	ug/L	1.0 U	6.8 U	0.86 J	1.6	1.1
MW-102S	PCE	5.0	ug/L	57	69	70	54	77 J
	TCE	5.0	ug/L	10	12	13	11	13
	cis-1,2-DCE	70.0	ug/L	10	12	14	11	13
	trans-1,2-DCE	100.0	ug/L	1.0 U	0.28 J	1.0 U	0.34 J	2.9 U
MW-102D	PCE	5.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	TCE	5.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-DCE	70.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-DCE	100.0	ug/L	0.28 J	1.0 U	1.0 U	1.0 U	1.0 U
MW-103S	PCE	5.0	ug/L	DRY	1.0 U	DRY	1.0 U	DRY
	TCE	5.0	ug/L	DRY	1.0 U	DRY	1.0 U	DRY
	cis-1,2-DCE	70.0	ug/L	DRY	1.0 U	DRY	1.0 U	DRY
	trans-1,2-DCE	100.0	ug/L	DRY	1.0 U	DRY	1.0 U	DRY
MW-103D	PCE	5.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	TCE	5.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-DCE	70.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-DCE	100.0	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

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TABLE 2.0
MONITORING WELL RESULTS: 2003-2005
Bressett Site, Randolph, Vermont

Location	Parameter Method 8260B	Guidance Level	Units	Oct-03	Apr-04	Oct-04	Apr-05	Oct-05
MW-104S	**PCE**	**5.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	TCE	**5.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-DCE	**70.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-DCE	**100.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-104D	**PCE**	**5.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	TCE	**5.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-DCE	**70.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-DCE	**100.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BRW-1	**PCE**	**5.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	TCE	**5.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-DCE	**70.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-DCE	**100.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BRW-2	**PCE**	**5.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	TCE	**5.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-DCE	**70.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-DCE	**100.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BRW-3	**PCE**	**5.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	TCE	**5.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-DCE	**70.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-DCE	**100.0**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:
- "PCE" = tetrachlorethene; "TCE" = tricholorethene; "DCE" = dichloroethene.
- "U" = not detected above listed quantitation limit; "J" = reported concentration is an estimated value; "UJ" = reported quantitation limit is an estimated value; "R" = the data are unusable (analyte may or may not be present).
- "Dry" = well dry during monitoring event; "NA" = not applicable; "NS" = not sampled.
- Data (validated) from 2002-2003 was collected by Tighe & Bond and was entered from tabulated data from annual reports.
- Data beginning in 2004 was collected by Waite Environmental Management and was entered from the data validation report for each sampling event.
- Guidance levels are the Groundwater Enforcement Standards, Table 1, Chapter 12 - Groundwater Protection Rule and Strategey, December 2000.

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TABLE 3.0
SUPPLY WELL RESULTS: 2003-2005
Bressett Site, Randolph, Vermont

Owner	Location	Parameter Method 524.2	Guidance Level	Units	Apr-03	Oct-03	Apr-04	Oct-04	Apr-05	Oct-05
UniFirst	**Bressett Spring**	**PCE**	**0.7**	ug/L	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U
		TCE	**5.0**	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
		cis-1,2-DCE	**70.0**	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
		trans-1,2-DCE	**100.0**	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hammond	**Sheilds Well**	**PCE**	**0.7**	ug/L	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U
		TCE	**5.0**	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
		cis-1,2-DCE	**70.0**	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
		trans-1,2-DCE	**100.0**	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bowen	**Bowen Well**	**PCE**	**0.7**	ug/L	0.5 U	0.5 UJ				
		TCE	**5.0**	ug/L	0.5 U	0.5 U				
		cis-1,2-DCE	**70.0**	ug/L	0.5 U	0.5 U				
		trans-1,2-DCE	**100.0**	ug/L	0.5 U	0.5 U				
Illsley	**Illsley Well**	**PCE**	**0.7**	ug/L				0.5 UJ		
		TCE	**5.0**	ug/L				0.5 U		
		cis-1,2-DCE	**70.0**	ug/L				0.5 U		
		trans-1,2-DCE	**100.0**	ug/L				0.5 U		

Notes:
- "PCE" = tetrachlorethene; "TCE" = tricholorethene; "DCE" = dichloroethene.
- "U" = not detected above listed quantitation limit; "J" = reported concentration is an estimated value; "UJ" = reported quantitation limit is an estimated value.
- "Dry" = well dry during monitoring event; "NA" = not applicable; "NS" = no sample collected.
- Data from 2004- was collected by Waite Environmental Management and was entered from the data validation report for each sampling event.
- Data prior to 2004 was collected by previous environmental contractor.
- Guidance level for PCE is the Vermont Action Level, taken from the Vermont Department of Health Drinking Water Guidance, December 2002.
- Guidance level for TCE, cis-1,2-DCE, and trans-1,2-DCE is the EPA Maximum Contaminant Level (MCL), December 2002.

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TABLE 4.0
SURFACE WATER QUALITY RESULTS: 2001 - 2005
Bressett Site, Randolph, Vermont

Location	Parameter Method 8260B	Guidance Level	Units	Jul-01	Jul-02	Jul-03	Jul-04	Jul-05
SW-1	**PCE**	**0.8**	ug/L	DRY	1.0 U	DRY	1.0 U	1.0 U
	TCE	**2.7**	ug/L	DRY	1.0 U	DRY	1.0 U	1.0 U
	cis-1,2-DCE	**NA**	ug/L	DRY	1.0 U	DRY	1.0 U	1.0 U
	trans-1,2-DCE	**NA**	ug/L	DRY	1.0 U	DRY	1.0 U	1.0 U
SW-2	**PCE**	**0.8**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	TCE	**2.7**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-DCE	**NA**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-DCE	**NA**	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:
- "PCE" = tetrachlorethene; "TCE" = tricholorethene; "DCE" = dichloroethene.
-"U" = not detected above listed quantitation limit; "J" = reported concentration is an estimated value; "UJ" = reported quantitation limit is an estimated value; "R" = the data are unusable (analyte may or may not be present).
-"Dry" = well dry during monitoring event; "NA" = not applicable; "NS" = not sampled.
- Data (qualified) from 2001-2003 was collected by Tighe & Bond and was entered from tabulated data from annual reports.
- Data (qualified) from 2004- was collected by Waite Environmental Management and was entered from the data validation report for each sampling event.
- Guidance levels are the Water Quality Criteria (water & organisms) taken from Appendix C of "Vermont Water Quality Standards", effective July 2, 2000.

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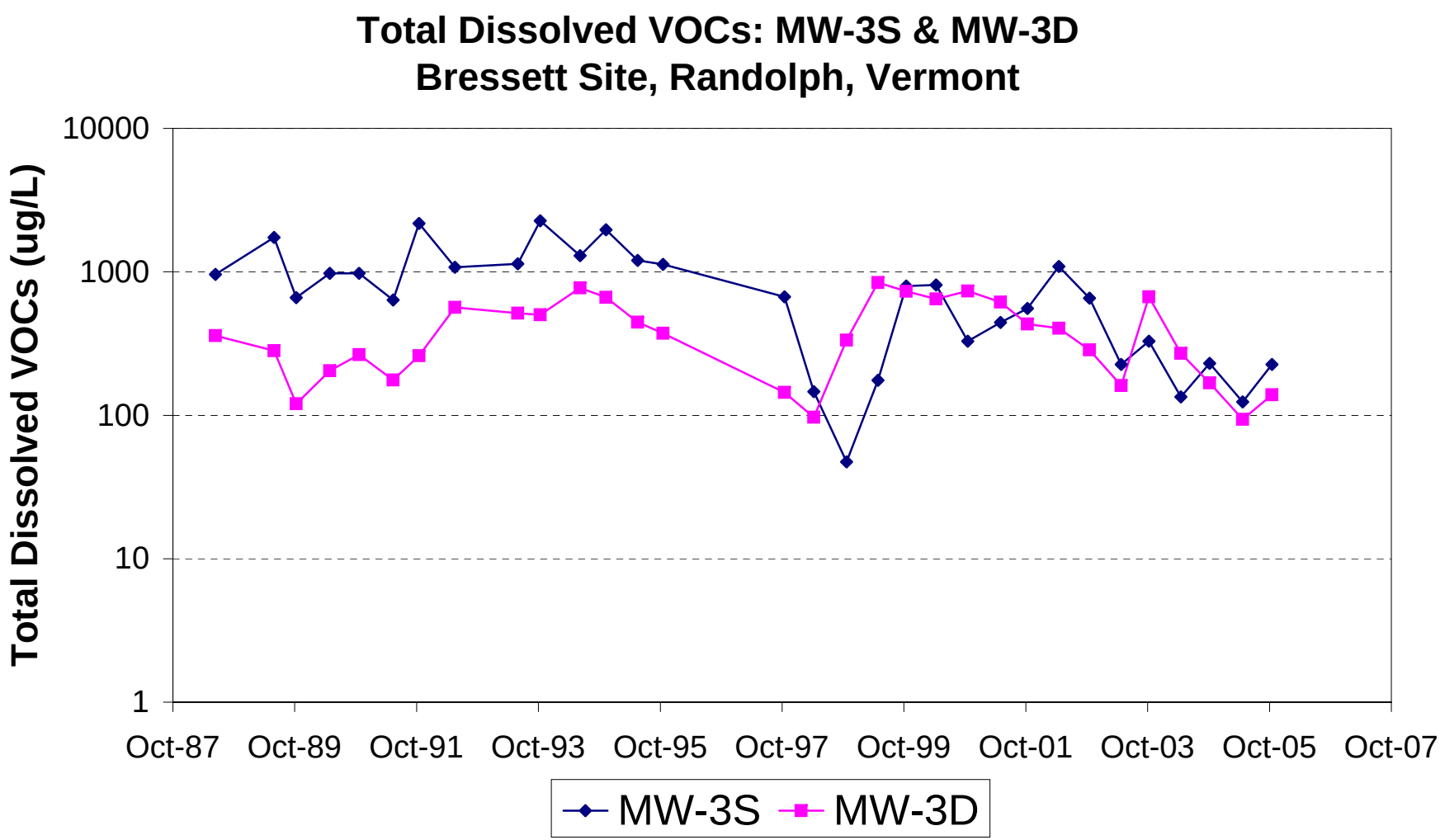
TABLE 5.0
INDOOR AIR QUALITY RESULTS: 2001-2005
Bressett Site, Randolph, Vermont

Owner	Location	Parameter Method T-014A	Guidance Level	Units	Jan-01	Jul-01	Jan-02	Jul-02	Jan-03	Jul-03	Jan-04	Jul-04	Jan-05	Jul-05
UniFirst	BRST1FLR	Tetrachloroethene	1.0	ppbv	**0.69**	**0.38** J	NS	0.5 U	NS	NS	NS	NS	NS	NS
		Trichloroethene	1.0	ppbv	0.47 U	2 U	NS	0.5 U	NS	NS	NS	NS	NS	NS
		cis-1,2-Dichloroethene	9.3	ppbv	0.47 U	0.2 U	NS	0.5 U	NS	NS	NS	NS	NS	NS
		trans-1,2-Dichloroethene	18.4	ppbv	0.47 U	2 U	NS	0.5 U	NS	NS	NS	NS	NS	NS
	BRSTBSMT	Tetrachloroethene	1.0	ppbv	**4.8**	**6**	NS	**2.3**	NS	NS	NS	NS	NS	NS
		Trichloroethene	1.0	ppbv	**0.5**	**0.53**	NS	0.5 U	NS	NS	NS	NS	NS	NS
		cis-1,2-Dichloroethene	9.3	ppbv	0.35 U	**6**	NS	0.5 U	NS	NS	NS	NS	NS	NS
		trans-1,2-Dichloroethene	18.4	ppbv	**0.33** J	0.42 U	NS	0.5 U	NS	NS	NS	NS	NS	NS

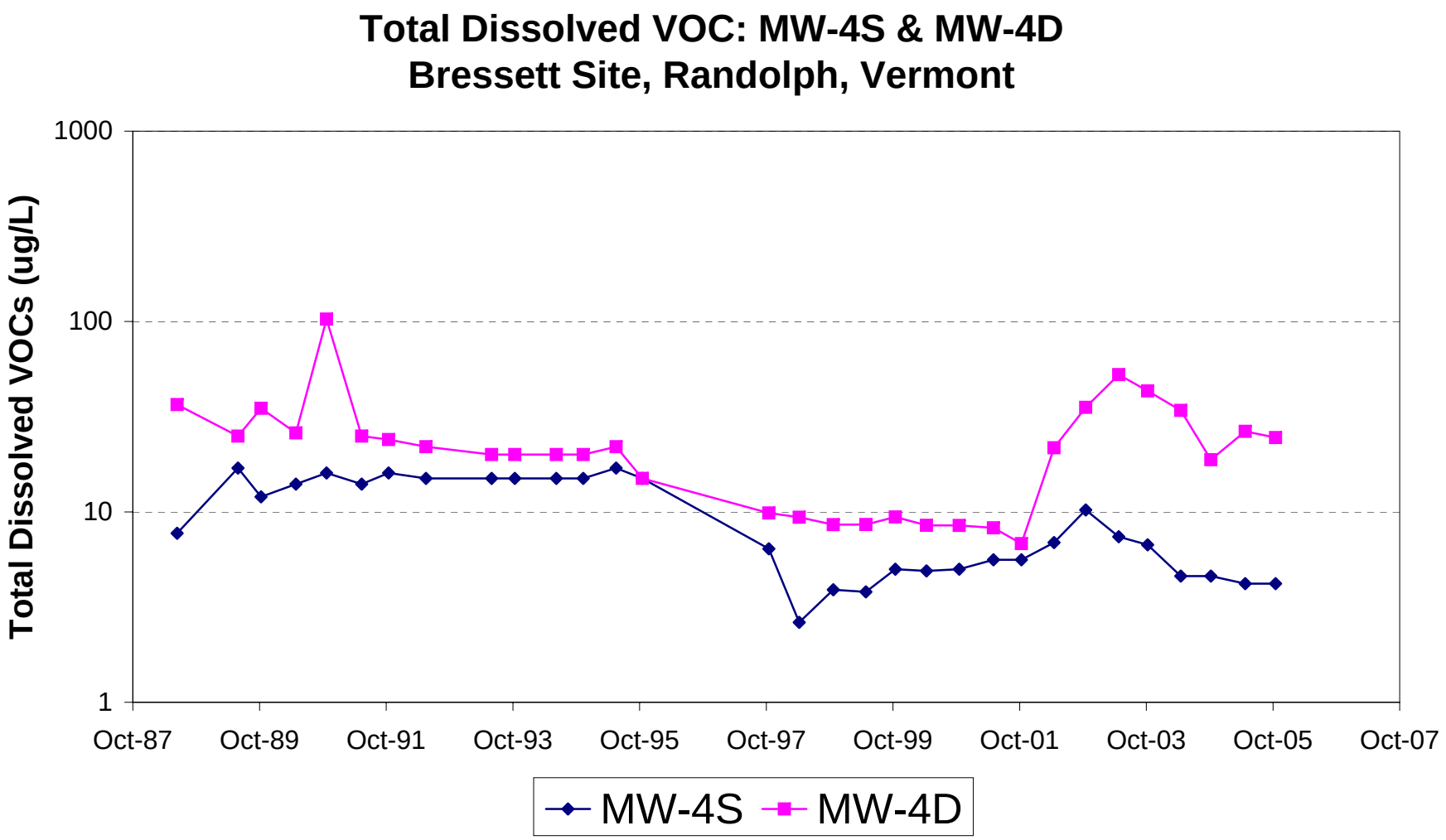
Notes:
-"U" = not detected above listed quantitation limit; "J" = reported concentration is an estimated value; "UJ" = reported quantitation limit is an estimated value; "R" = the data are unusable (analyte may or may not be present).
-"NS" = Not Sampled (house unoccupied or access not obtained).
Bold values are reported above quantitation limit; shaded cells are in excess of the guidance level.
Data (qualified) from 2001-2003 was collected by Tighe & Bond and was entered from tabulated data from annual reports.
Guidance level for tetrachloroethene and trichloroethene based on results of statewide indoor ambient air survey conducted by the Vermont Dept. Health in 1991-92.
Guidance level for cis- and trans-1,2,-dichloroethene is based on the EPA Region III risk-based concentration for ambient air (2002 RBC table).

APPENDIX C:

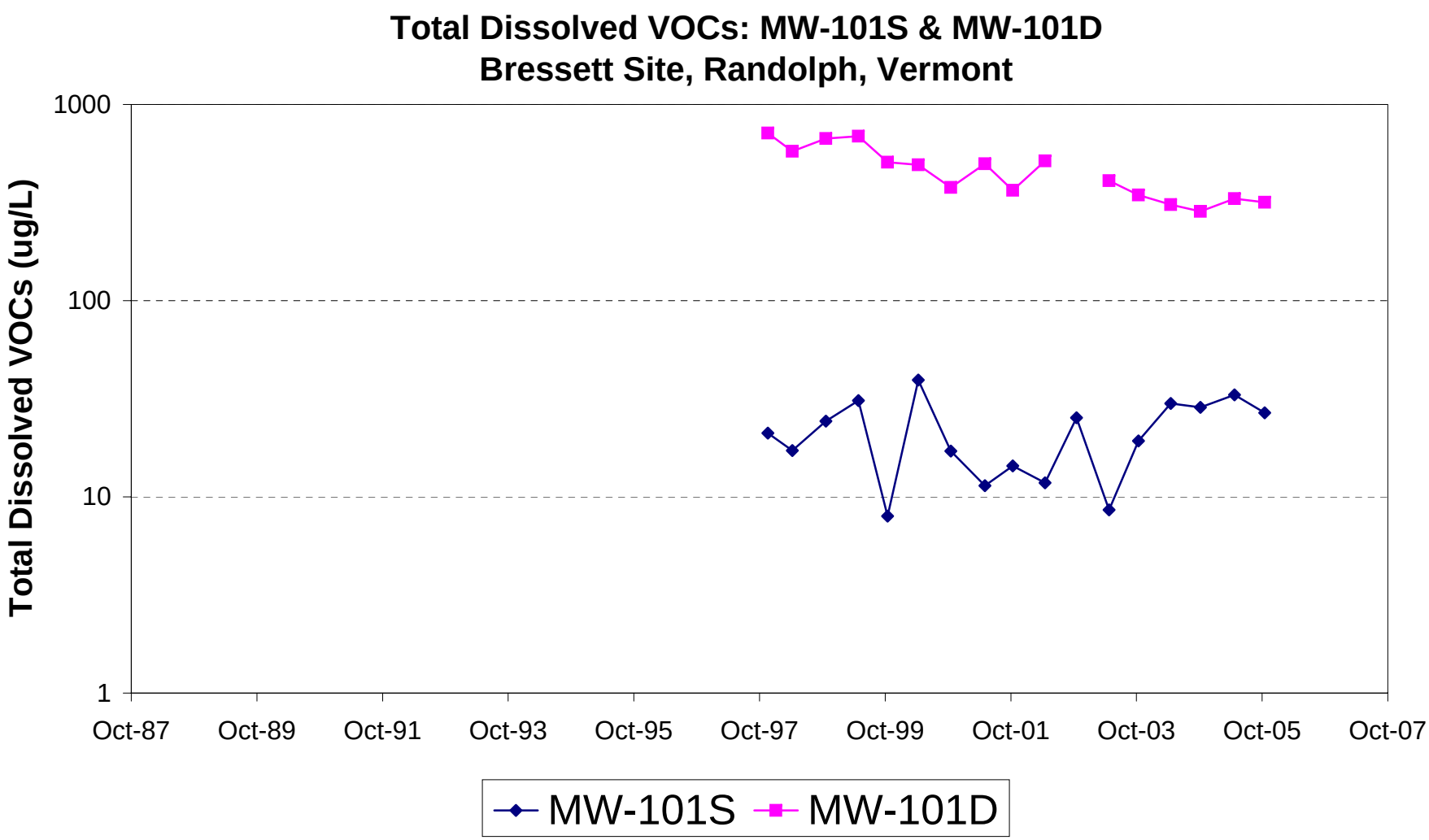
GRAPHS



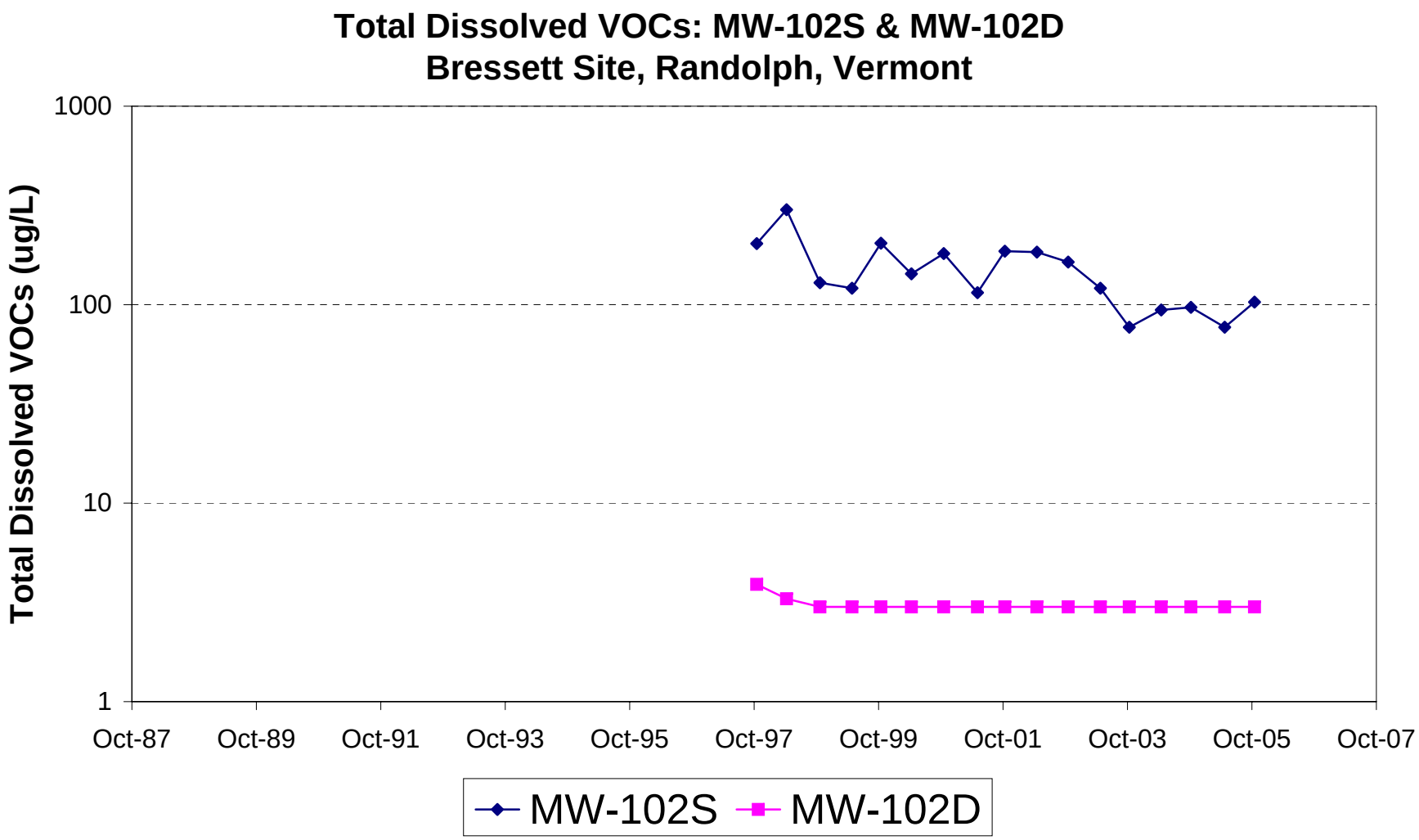
Note:
1) Reported concentrations are sums of PCE, TCE, and 1,2-DCE; non-detectable values (i.e. detection limits) are included in the summation process.



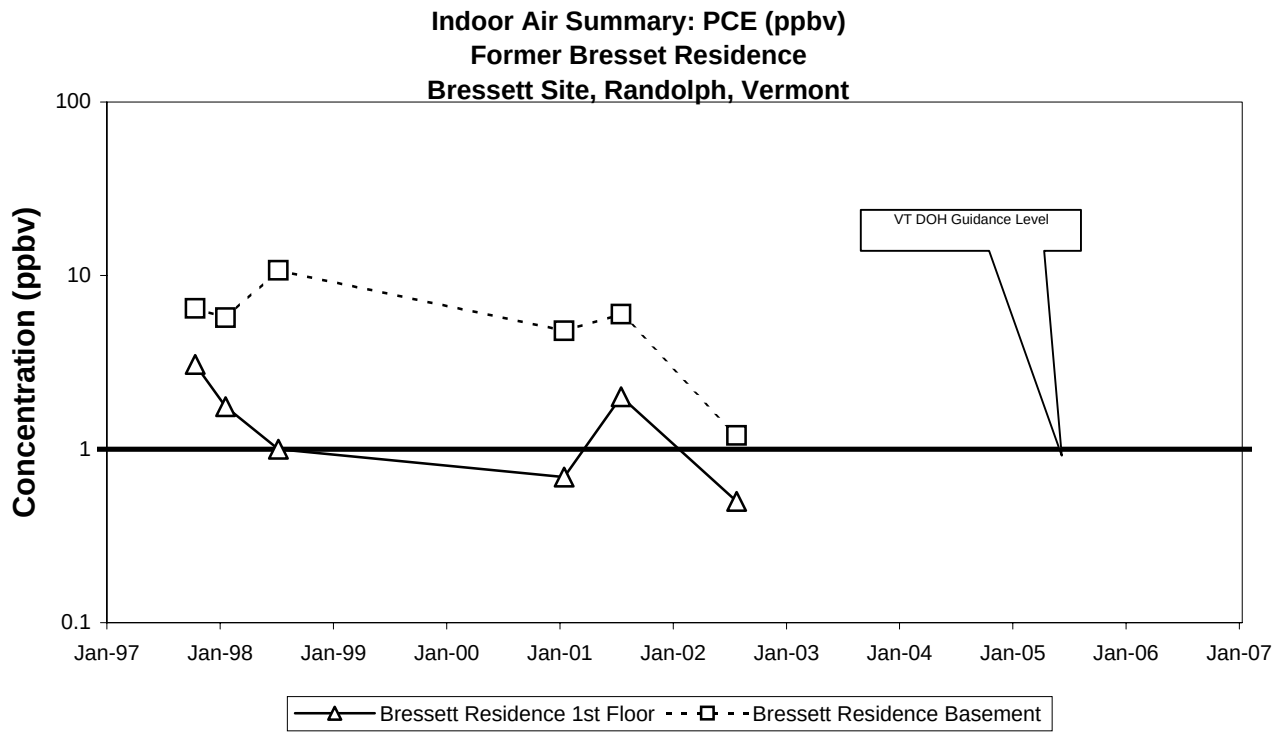
Note:
1) Reported concentrations are sums of PCE, TCE, and 1,2-DCE; non-detectable values (i.e. detection limits) are included in the summation process.



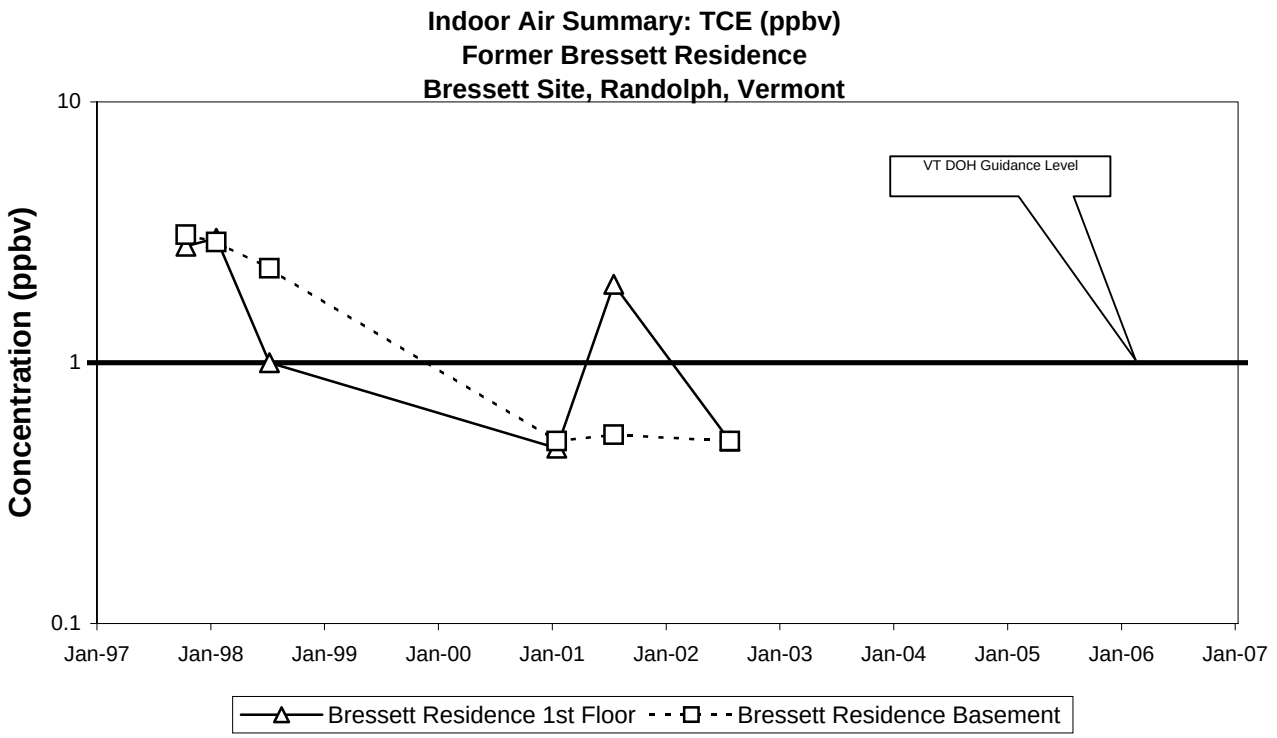
Note:
1) Reported concentrations are sums of PCE, TCE, and 1,2-DCE; non-detectable values (i.e. detection limits) are included in the summation process.



Notes:
1) Reported concentrations are sums of PCE, TCE, and 1,2-DCE; non-detectable values (i.e. detection limits) are included in the summation process.



Notes:
1) Non-detectable values (i.e. detection limits) are graphed as positive values.



Notes:
1) Non-detectable values (i.e. detection limits) are graphed as positive values.

APPENDIX D:

FIELD DATA SHEETS: OCTOBER 2005

WEM Waite Environmental Management, LLC.

SITE: Brassett
FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	MW-103D	Pump Intake Depth	18.4
Date	10/20/05	Pump Type/Serial	peri.
Sampler	MW	Well Diameter	3/4
Weather	PC, cool	Well Depth	20.22
Water Type	(gw) sw supply	Initial Depth to Water	5.85
Sampling Method	bailer (low flow) grab	Traditional Purge ~~Vol.~~ rate (bailer)	200-250

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
			within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%		
10:14	5.85	150								began purging @ 150 ml/m
10:17	10.72	150	12.37	244	6.50	-161	0.59	707		
10:22	12.52	150	11.74	245	6.92	-182	0.00	621		
10:27	12.77	150	11.28	247	7.08	-194	0.06	537		
10:32	12.95	150	11.25	234	7.24	-207	0.00	347		
10:37	13.04	150	11.15	233	7.33	-214	0.00	248		
10:41	13.06	150	11.20	230	7.36	-217	0.00	230		purging complete

SAMPLE COLLECTION	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:	1.25 gal	11.20	230	7.36	-217	0.00	230	N

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #
Sample	MW-103D	amb VOA	3	HCl	8260B	10:45	UF-1
As Required:							
Field Duplicate							
Field Blank							
MS/MSD							

General Notes:

WEM Waite Environmental Management, LLC.

SITE: Bressett

FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	MW-103S	Pump Intake Depth	7.8
Date	10/20	Pump Type/Serial	peri.
Sampler	MW	Well Diameter	3/4"
Weather	PC, Cool	Well Depth	7.84
Water Type	(gw) sw supply	Initial Depth to Water	7.22
Sampling Method	bailer (low flow) grab	Traditional Purge ~~Vol.~~ Rate (bailer)	75-100 ml/min

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
				within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%	
10:05	7.22	~50								bif on purging
10:06	Dry									well dry
11:00	Dry									well still dry - no samp

SAMPLE COLLECTION

	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:								

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #
Sample	NO	SAMPLE COLLECTED - WELL DRY					
As Required:							
Field Duplicate							
Field Blank							
MS/MSD							

General Notes: Prior to sampling, added Trip Blank TB-1 to cooler

WEM Waite Environmental Management, LLC

SITE: Bresse H
FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	MW-104D	Pump Intake Depth	20.4'
Date	10/20/05	Pump Type/Serial	peri.
Sampler	MW	Well Diameter	3/4
Weather	pc, cool	Well Depth	22.89
Water Type	(gw) sw supply	Initial Depth to Water	1.27
Sampling Method	bailer (low flow) grab	Traditional Purge Vol. (bailer)	200-250

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
				within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%	
11:54	1.27	200								begin purging @ 200
11:59	8.10	200	11.86	218	7.36	138	1.47	>1000		
12:02	12.75	150	12.06	198	7.18	-100	0.00	>1000		reduced rate to 15
12:06	15.99	150	12.13	197	7.05	-93	0.00	>1000		" " " 10
12:10	17.90	100	12.02	207	7.07	-105	0.00	>1000		
12:14	19.30	75	11.85	214	7.14	-118	0.00	>1000		reduced rate to 7.
12:18	19.90	75	12.12	213	7.09	-122	0.00	>1000		purging complete

SAMPLE COLLECTION

	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:	0.75 gal	12:12	213	7.09	-122	0.00	>1000	n

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #
Sample	MW-104D	amb. voa	3	HCl	8260B	12:20	uF-1
As Required:							
Field Duplicate							
Field Blank							
MS/MSD							

General Notes:

WEM Waite Environmental Management, LLC.

SITE: Bross H
FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	MW-102D	Pump Intake Depth	31.1
Date	10/20/05	Pump Type/Serial	peri
Sampler	MW	Well Diameter	3/4"
Weather	pc, cool	Well Depth	33.68
Water Type	(gw) sw supply	Initial Depth to Water	8.80
Sampling Method	bailer (low flow) grab	Traditional Purge ~~Vol. (bailer)~~ rate	150-200

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
				within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%	
12:52	8.80	200								begin purging
12:55	13.80	200	10.78	280	7.61	-194	0.28	83.8		
13:00	14.50	200	10.42	275	7.70	-204	0.00	65.6		
13:05	14.80	200	10.11	272	7.76	-211	0.00	41.9		
13:10	14.83	200	9.97	271	7.79	-217	0.00	37.4		
13:15	14.85	200	9.95	272	7.81	-219	0.00	27.6		
13:20	14.90	200	9.95	272	7.81	-221	0.00	28.7		purging complete

SAMPLE COLLECTION

	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:	1.5 gal	9.95	272	7.81	-221	0.00	28.7	y

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #
Sample	MW-104D	40m. VOA	3	HCl	8260B	13:25	UFI
As Required:							
Field Duplicate							
Field Blank							
MS/MSD							

General Notes:

WEM Waite Environmental Management, LLC.

SITE: Bressett
FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	MW-102S	Pump Intake Depth	16.2
Date	10/20/05	Pump Type/Serial	peri.
Sampler	MW	Well Diameter	3/4
Weather	pc. cool	Well Depth	18.62
Water Type	(gw) sw supply	Initial Depth to Water	8.64
Sampling Method	bailer (low flow) grab	Traditional Purge ~~Vol. (bailer)~~ tote	200-250

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
				within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%	
13:33	8.64	200								begin purging
13:36	9.30	200	11.60	379	8.02	-25	5.22	21.2		
13:41	9.32	200	11.58	370	8.29	-43	4.32	12.5		
13:45	9.34	200	11.49	369	8.11	-32	4.32	6.7		
13:50	9.35	200	11.50	368	7.93	-22	4.33	5.2		
13:54	9.34	200	11.51	367	7.87	-23	4.33	4.9		purging complete

SAMPLE COLLECTION

	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:	1.5 gal	11.51	367	7.87	-23	4.33	4.9	n

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #
Sample	MW-102S	amb. VOA	3	HCl	8260B	14:00	UF-1
As Required:							
Field Duplicate							
Field Blank							
MS/MSD							

General Notes:

WEM Waite Environmental Management, LLC.

SITE: Brosseau

FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	MW-101S	Pump Intake Depth	11.9
Date	10/20/05	Pump Type/Serial	peri.
Sampler	MW	Well Diameter	3/4"
Weather	pc, cool	Well Depth	14.52
Water Type	(gw) sw supply	Initial Depth to Water	5.75
Sampling Method	bailer (low flow) grab	Traditional Purge ~~Vol. (bailer)~~ ratio	250-300

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
				within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%	
14:41	5.75	200								begin purging
14:44	7.80	200	14.73	274	6.76	41	0.00	126		
14:49	7.82	200	14.58	277	6.86	38	0.00	121		
14:53	7.92	200	14.61	273	6.83	39	0.00	80.5		
14:58	7.87	200	14.58	263	7.00	28	0.00	60.3		
15:03	7.87	200	14.56	273	6.94	31	0.00	72.5		purging complete

SAMPLE COLLECTION

	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:	1.5 gal	14.56	273	6.94	31	0.00	72.5	n

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #
Sample	MW-101S	amb. VOA	3	HCl	8260B	15:05	4F-1
As Required:							
Field Duplicate							
Field Blank							
MS/MSD							

General Notes:

WEM Waite Environmental Management, LLC

SITE: Brassett
FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	MW-101 D	Pump Intake Depth	22.5
Date	10/20/05	Pump Type/Serial	peri.
Sampler	MW	Well Diameter	3/4
Weather	PC, cool	Well Depth	24.80
Water Type	(gw) sw supply	Initial Depth to Water	7.02
Sampling Method	bailer (low flow) grab	Traditional Purge ~~Vol. (bailer)~~	200-250

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
				within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%	
15:19	7.02	200								begin purging
15:24	9.18	200	12.10	707	6.09	83	2.18	>1000		
15:29	9.43	200	11.64	703	6.13	82	1.32	>1000		
15:34	9.47	200	11.52	694	6.12	82	1.18	>1000		
15:38	9.49	200	11.40	685	6.10	83	1.15	>1000		
15:43	9.47	200	11.26	668	6.09	84	1.65	"		
15:46	9.47	200	11.14	669	6.08	85	1.65	"		purging complete

SAMPLE COLLECTION	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:	1.5 gal	11.14	669	6.08	85	1.65	>1000	n

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #	
Sample	MW-101D	amb. VOA	3	HCl	8260B	15:50	UF-1	
As Required:								
Field Duplicate	MW-2	"	3	HCl	8260B	"16:10"	UF-1	Fake time
Field Blank	FB-1	"	2	"	"	16:00	"	
MS/MSD								

General Notes:

WEM Project #110320012

WEM Waite Environmental Management, LLC.

BRESSETT

FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	Shields well			Pump Intake Depth	
Date	10/21/05			Pump Type/Serial	
Sampler	MW			Well Diameter	
Weather	Sunny, cool			Well Depth	
Water Type	gw	sw	(supply)	Initial Depth to Water	
Sampling Method	bailer	low flow	(grab)	Traditional Purge Vol.	

SAMPLE COLLECTION	Purge Volume (ml / (gal))	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)	Filtered (y/n)	NOTES
Final Measurements:	~70	—	—	—	—	—	—	—	left run for ~10 min

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #	
Sample	Shields	amb. VOA	3	HCl	524.2	12:10	UF-2	
As Required:								
Field Duplicate	well 2	"	3	"	"	"11:00"	"	blind time
Field Blank								
MS/MSD								

General Notes: Added trip blank TB-2 to cooler : 1 VOA provided by STL
sample collected from hose connected directly to wellhead

SAMPLING LOCATION	Bressett Spring			Pump Intake Depth	
Date	10/21/05			Pump Type/Serial	
Sampler				Well Diameter	
Weather				Well Depth	
Water Type	gw	sw	(supply)	Initial Depth to Water	
Sampling Method	bailer	low flow	(grab)	Traditional Purge Vol.	

SAMPLE COLLECTION	Purge Volume (ml / gal)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)	Filtered (y/n)	NOTES
Final Measurements:	—	—	—	—	—	—	—	—	used bailer & file

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #	
Sample	Bressett Spring	amb. VOA	3	HCl	524.2	12:30	UF-2	
As Required:								
Field Duplicate								
Field Blank	FB-2	"	2	"	"	12:35	"	STL water
MS/MSD	Bressett Spring	"	4	HCl	"	12:30	"	

General Notes:

16 VOAs in cooler A

(10)

WEM Waite Environmental Management, LLC.

BRESSETT

FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	MW-3S			Pump Intake Depth	—
Date	10/21/05			Pump Type/Serial	—
Sampler	MW			Well Diameter	2"
Weather	sunny, cool			Well Depth	~~74.60~~ MW 27.28
Water Type	(gw)	sw	supply	Initial Depth to Water	~~22.70~~ MW 25.24
Sampling Method	(bailer)	low flow	grab	Traditional Purge Vol.	1.0

SAMPLE COLLECTION	Purge Volume (ml / gal)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)	Filtered (y/n)	NOTES
Final Measurements:	1.0	9.47	519	5.41	162	11.87	>1000		

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #	
Sample	MW-3S	amb. VOA	3	HCl	8260B	15:00	UF-3	
As Required:								
Field Duplicate								
Field Blank								
MS/MSD								

General Notes:

SAMPLING LOCATION	MW-3D			Pump Intake Depth	—
Date	10/21/05			Pump Type/Serial	—
Sampler	MW			Well Diameter	2"
Weather	A.A.			Well Depth	74.60
Water Type	(gw)	sw	supply	Initial Depth to Water	22.70
Sampling Method	(bailer)	low flow	grab	Traditional Purge Vol.	26.0

SAMPLE COLLECTION	Purge Volume (ml / gal)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)	Filtered (y/n)	NOTES
Final Measurements:	26.0	8.55	371	7.59	150	11.64	>1000		

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #	
Sample	MW-3D	amb. VOA	2*	HCl	8260B	16:05	UF-3	
As Required:								
Field Duplicate	MW-Y	"	2*	"	"	"15:30"	"	blind time
Field Blank	FB-3	"	1*	"	"	16:10	"	
MS/MSD								

General Notes:

* limited VOAS due to breakage

27 VOAS

WEM Waite Environmental Management, LLC.

SITE: Brosseau
FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	MW-104S	Pump Intake Depth	6.4
Date	10/20/05	Pump Type/Serial	peri
Sampler	MW	Well Diameter	3/4
Weather	pc, cool	Well Depth	8.90
Water Type	gw sw supply	Initial Depth to Water	2.08
Sampling Method	bailer low flow grab	Traditional Purge ~~Vol.~~ rate ~~(bailer)~~	200-450

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
				within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%	
11:18	2.08	300								begin purging
11:20	2.10	300	14.08	347	6.92	23	3.61	304		
11:25	2.10	300	14.15	340	6.78	38	2.44	177		
11:30	2.10	300	14.11	339	6.68	49	2.26	99.4		
11:35	2.10	300	14.00	338	6.67	56	2.20	86.3		
11:39	2.10	300	14.04	337	6.66	61	2.19	78.3		
11:42	2.10	300	14.05	337	6.65	64	2.20	73.8		purging complete

SAMPLE COLLECTION

	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:	2.25 g	14.05	337	6.65	64	2.20	73.8	n

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #
Sample	MW-104S	amb. VOA	3	HCl	8260B	11:45	UF-1
As Required:							
Field Duplicate							
Field Blank							
MS/MSD							

General Notes:

(11)

BRESSETT

WEM Waite Environmental Management, LLC

FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	MW-4S	Pump Intake Depth	—
Date	10/21/05	Pump Type/Serial	—
Sampler	MW	Well Diameter	2"
Weather	Sunny, cool	Well Depth	24.17
Water Type	(gw) sw supply	Initial Depth to Water	21.37
Sampling Method	(bailer) low flow grab	Traditional Purge Vol.	1.4

SAMPLE COLLECTION	Purge Volume (ml / gal)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)	Filtered (y/n)	NOTES
Final Measurements:	1.5	10.08	189	6.70	200	10.06	31.7	n	

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #	
Sample	MW-4S	amb VOA	3	HCl	8260B	13:40	UF-5	
As Required:								
Field Duplicate								
Field Blank								
MS/MSD	MW-4S	"	3 *		8260B	13:40	UF-3	

General Notes:
* limited VOAs due to breakage

SAMPLING LOCATION	MW-4D	Pump Intake Depth	—
Date	10/21/05	Pump Type/Serial	—
Sampler	A.A	Well Diameter	2"
Weather	↓	Well Depth	46.79
Water Type	(gw) sw supply	Initial Depth to Water	21.26
Sampling Method	(bailer) low flow grab	Traditional Purge Vol.	12.5 gal

SAMPLE COLLECTION	Purge Volume (ml / gal)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)	Filtered (y/n)	NOTES
Final Measurements:	12.5	9.37	286	5.02	179	11.15	115	n	

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #	
Sample	MW-4D	amb. VOA	3	HCl	8260B	14:30	UF-3	
As Required:								
Field Duplicate								
Field Blank								
MS/MSD								

General Notes:

(12)

WEM Waite Environmental Management, LLC

SITE: BRESSETT
FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	BRW-1			Pump Intake Depth	72.0
Date	10/25/05			Pump Type/Serial	Grundfos Redi-Flo II
Sampler	MW			Well Diameter	2"
Weather	rain & cold			Well Depth	81.8'
Water Type	(gw)	sw	supply	Initial Depth to Water	13.48
Sampling Method	bailer	(low flow)	grab	Traditional Purge Vol. (bailer)	2 L/min

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
				within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%	
9:25	13.48	2L/min								Began
9:31	16.20	"	10.36	212	6.75	185	6.52	13.4		
9:44	16.82	"	10.43	211	6.54	198	4.79	16.2		
9:49	17.04	"	10.21	194	7.04	171	5.91	9.2		
9:53	17.22	"	10.18	192	7.31	153	4.68	26.6		
9:59	17.45	"	10.30	188	7.54	135	4.78	10.8		
10:06	17.28	"	10.35	189	7.58	136	4.56	9.8		complete

SAMPLE COLLECTION	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:	22 gal	10.35	189	7.58	136	4.56	9.8	

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #
Sample	BRW-1	amber vom	3	HCl	8260B	10:10	UF-6
As Required:							
Field Duplicate							
Field Blank							
MS/MSD							

General Notes: Added trip blank TB-5 to cooler: 2 pre-made VIAs from STL

WEM Waite Environmental Management, LLC.

SITE: BRESSETT

FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	BRW-2	Pump Intake Depth	75.0
Date	10/25/05	Pump Type/Serial	Grundfos rediflo II
Sampler	MW	Well Diameter	2"
Weather	rainy & cold	Well Depth	101.5
Water Type	(gw) sw supply	Initial Depth to Water	
Sampling Method	bailer (low flow) grab	Traditional Purge Vol. (bailer)	2 L/min

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
			within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%		
10:~~50~~ 48	10.88	2L/min								began
10:50	14.80	"	9.77	303	7.77	-150	3.19	242		H_2S odor
10:55	23.71	"	10.34	295	7.70	-149	1.59	236		
11:02	32.15	2L/min	10.57	299	7.71	-173	0.06	246		
11:08	35.18	"	10.81	303	7.63	-168	0.00	185		
11:14	38.82	"	11.43	292	7.43	-160	0.00	94.6		
11:19	42.69	"	11.29	299	7.43	-170	0.00	109		complete

SAMPLE COLLECTION

	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:	19 gal	11.29	299	7.43	-170	0.00	109	n

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #
Sample	BRW-2	amb. VOA	3	HCl	8260B	11:25	UF-6
As Required:							
Field Duplicate							
Field Blank							
MS/MSD							

General Notes:

WEM Project #110320012

VT DEC Site #

WEM Waite Environmental Management, LLC

SITE: BRESSETT
FIELD WATER COLLECTION SHEET

SAMPLING LOCATION	BRW-3	Pump Intake Depth	72.0
Date	10/25/05	Pump Type/Serial	Grundfos Rediflo II
Sampler	MW	Well Diameter	2"
Weather	warm/cold	Well Depth	80.8
Water Type	(gw) sw supply	Initial Depth to Water	9.17
Sampling Method	bailer (low flow) grab	Traditional Purge Vol. (~~bailer~~ rate)	2-3.5 L/min

LOW FLOW PURGING DATA

Time	DTW (ft btp)	Purge Rate (ml/min)	Temp. (deg C)	Specific Cond. (us/cm)	pH	ORP (mv)	DO (mg/L)	Turbidity (NTU)		Notes
			within 3%	within 3%	1 pH unit	10 mv	within 10%	within 10%		
11:55	9.17	2L/min								began
11:57	12.38	"	10.49	466	7.61	18	7.80	278		
12:03	13.71	"	10.66	468	8.31	22	7.31	106		
12:08	14.22	"	10.67	473	8.24	26	7.32	24		
12:14	14.29	"	10.68	470	8.15	31	7.38	7.7		
12:20	14.32	"	10.67	468	8.19	36	7.30	6.7		complete

SAMPLE COLLECTION	Purge Volume	Temp.	Specific Cond.	pH	ORP	DO	Turbidity	Filtered (y/n)
Final Measurements:	30 gal	10.67	468	8.19	36	7.30	6.7	n

Sample Description	Label	Type Container	# Container	Preservative	Analysis Method	Collection Time	COC #
Sample	BRW-3	amb. VOA	3	HCl	8260B	12:25	[illegible]
As Required:							
Field Duplicate							
Field Blank							
MS/MSD							

General Notes:

APPENDIX E:

DATA VALIDATION REPORT: OCTOBER 2005

DATA VALIDATION

FOR

UniFirst Project
UniFirst, Bressett, and Wheatley Sites
Williamstown, Randolph, and Brookfield, VT

ORGANIC ANALYSIS DATA
Volatile Organics in Water Samples

Sample Delivery Group Nos. BRES30, UNIF24, and WHEA11

Chemical Analyses Performed by:

STL Burlington
208 South Park Dr. Suite 1
Colchester, VT 05446

FOR

Mr. Gerold Noyes
VT Department of Environmental Conservation
Waste Management Division
103 South Main Street, West Building
Waterbury, VT 05676-0404

Data Validation Report by:

Phoenix Chemistry Services
126 Covered Bridge Rd.
N. Ferrisburg, VT 05473
(802)-233-2473

February 10, 2006

References #2005-1222-001, -1223-001, and -1227-001
VOA Validation Report/BRES30, UNIF24, & WHEA11/dhg

EXECUTIVE SUMMARY

Phoenix Chemistry Services (Phoenix) has completed the validation of the volatile organics analysis data prepared by Severn Trent Laboratories (STL Burlington) for 44 groundwater and bedrock samples, 10 water supply samples, 8 field blanks (FB), 7 trip blanks (TB), one (double-blind) performance evaluation sample (PES), and one ampulated (single-blind) performance evaluation check sample, from the Bressett Site in Randolph, VT, the Wheatley Farm site in Brookfield, VT, and the UniFirst Site in Williamstown, VT. The laboratory reported the data under Sample Delivery Group (SDG) Nos. BRES30, UNIF24, and WHEA11, which were submitted as three data packages received by Phoenix on December 22, 23, and 27, 2005, and which include the following samples:

Sample Identifier	Laboratory ID
Method 8260B	
SDG No. BRES30	
TB-1	643901
MW-103D	643902
MW-104S	643903
MW-104D	643904
MW-102D	643905
MW-102S	643906
MW-101S	643907
MW-101D	643908
FB-1	643909
MW-Z	643910
TB-3	644540
MW-4S	644541
MW-4D	644542
MW-3S	644543
MW-Y	644544
MW-3D	644545
FB-3	644546
TB-5	644622
BRW-1	644623
BRW-2	644624
BRW-3	644625
SDG No.WHEA11	
TB-4	644551
MW-PL2	644552
MW-PLX	644553
MW-PL1	644554
MW-S3	644555

Sample Identifier	Laboratory ID
MW-S2	644556
MW-S1	644557
FB-4	644558
SDG No. UNIF24	
BRW-X	644626
MW-25884	644627
FB-5	644628
TB-6	645141
PZ-101	645142
PZ-102	645143
W-25	645144
MW-50	645145
W-19	645146
W-20	645147
MW-E	645148
MW-C	645149
MW-D	645150
W-1	645151
W-23	645152
FB-6	645153
W-Z	645154
SEEP-1A	645155
SS-3	645156
SS-2	645157
SS-1	645158
SS-5	645159
W-SEEP	645160
SS-Z	645161
SP-4	645162
SP-3	645163
FB-8	645164
Method 524.2	
SDG No. BRES30	
TB-2	644535
WELL Z	644536
SHIELDS	644537
BRESSETT SPRING	644538
FB-2	644539
SDG No. UNIF24	
TB-7	645165
WP-5	645166

Sample Identifier	Laboratory ID
WP-23 [PE]	645167
WP-7	645168
WP-8	645169
WP-13	645170
WP-20	645171
WP-3	645172
WP-Z	645173
FB-7	645174
VOCS Conc.	647175

A cross-reference table of sample IDs was provided in the data packages. However, the cross-reference table in the submittal of SDG No. BRES30 does not include any of the samples for method 524.2, and only lists three of the sixteen samples, one of the three TBs, and neither of the two FBs listed on the chain of custody records for method 8260B.

Findings of the validation effort resulted in the following qualifications of sample results:

- Results for acetone and 2-butanone in MW-102D, TB-3, MW-4D, MW-4S, MW-Y, MW-3D, MW-3S, FB-3, TB-4, MW-PL2, MW-PLX, MW-PL1, MW-S3, MW-S1, MW-S2, FB-4, BRW-X, MW-25884, and FB-5 were qualified as estimated (J, UJ).

- Results for chloromethane in MW-S2 and W-Z and for acetone in PZ-101, W-25, W-Z, SEEP-1A, and SS-3 were qualified as less than the quantitation limit (U).

- Results for 1,1,2,2-tetrachloroethane in MW-25884 and TB-3 were qualified as estimated (UJ).

- Results for methylene chloride, cis-1,2-dichloroethene, total 1,2-dichloroethene, and chloroform in SP-4 were qualified as estimated (J).

- The result for carbon disulfide in SS-5 was qualified as estimated (J).

- The result for bromoform in MW-S2 was qualified as estimated (UJ).

- Results for cis-1,2-dichloroethene and total 1,2-dichloroethene in MW-25884 and BRW-X were qualified as estimated (J).

- Results for trichloroethene and tetrachloroethene in MW-E and W-Z were qualified as estimated (J).

- Results for tetrachloroethene in in MW-102S, MW-101S, MW-101DDL and MW-ZDL were qualified as estimated (J).

- Results for tetrachloroethene in MW-101D and MW-Z warranted qualification as estimated; however, these results were subsequently rejected (R), and the R qualifier takes precedence. Results for acetone in PZ-101, W-25, Seep-1A, and SS-3 also warranted qualification as estimated (J); however, these results were previously qualified as less than the quantitation limit (U).

- Results for tetrachloroethene in MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, and W-23 were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL).

- Results for cis-1,2-dichloroethene in MW-101D and MW-Z were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL and MW-ZDL).

- The result for toluene in MW-S2 was rejected (R) and replaced with the acceptable concentration from the corresponding diluted sample (MW-S2DL).

- Results for all other analytes in samples MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL, and MW-S2DL were rejected (R) because acceptable results for these compounds were taken from the original analyses (MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, W-23, and MW-S2).

The Overall Evaluation of Data (Section XVI) summarizes the validation results. The validation findings and conclusions for each analytical parameter are detailed in the remaining sections of this report.

Documentation problems observed in the data packages are described in Section XVII.

At the discretion of the data user, missing documentation discussed in Section XVII should be provided to ensure that complete data packages records are available for future reference.

This validation report shall be considered part of the data packages for all future distributions of the volatiles (8260B and 524.2) analysis data.

INTRODUCTION

Analyses were performed according to SW-846 Method 8260B Low Level and SDWA Method 524.2 Rev. 4.1, as documented in STL SOP 8260B and STL SOP 524.2, respectively, and in accordance with requirements in the Field/Laboratory Coordination Memorandum for Water Monitoring (FLCM), April 2, 2004. The target compound list for Method 8260B was limited to the OLM03.1 CLP target compound list, and the target compound list for Method 52.4.2 was limited to the OLM03.1 CLP target compound list plus methyl-*tert*-butyl ether.

Tentative identification of non-target analyte peaks (i.e., tentatively identified compounds, or TICs) was not requested for these analyses.

Phoenix Chemistry Services' validation was performed in conformance with Tier III guidelines as defined by USEPA Region I. Data qualifiers were applied as necessary and appropriate. The data were evaluated in accordance with the "Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses", December 1996. EPA's National Functional Guidelines for Organic Data Review (EPA 540/R-99/008, October, 1999) were also considered during the evaluation, and professional judgement was applied as necessary and appropriate.

The data validation process evaluates data on a technical basis for chemical analyses conducted under the CLP or other well-defined methods. Contract compliance is evaluated only in specific situations. Issues pertaining to contractual compliance are noted where applicable. It is assumed that the data package is presented in accordance with the CLP (CLP-like or SW-846) requirements. It is also assumed that the data packages represents the best efforts of the laboratory and has already been subjected to adequate and sufficient quality review prior to submission for validation. In instances where SW-846 or other specific methods have been used for the analyses, the validation effort is modified to acknowledge the differences in methodology while maintaining the goals and quality objectives of the CLP.

Results of sample analyses are reported by the laboratory as either qualified or unqualified; various qualifier codes are used by the laboratory to denote specific information regarding the analytical results. During the validation process, laboratory data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data validator. Raw data is examined in detail to check calculations, compound identification, and/or transcription errors. Validated results are either qualified or unqualified; if results are unqualified, this means that the reported values may be used without reservation. Final validated results are annotated with the following codes, as defined in the EPA Region I Functional Guidelines:

U - The analyte was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit. The sample quantitation limit accounts for sample specific dilution factors and percent solids corrections or sample sizes that deviate from those required by the method.

J - The associated numerical value is an estimated quantity.

UJ - The analyte was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

R - The data are unusable (analyte may or may not be present). Resampling and reanalysis is necessary for verification. The R replaces the numerical value or sample quantitation limit. In some instances (e.g., a dilution) a result may be indicated as "rejected" to avoid confusion when a more quantitatively accurate result is available.

EB, TB, BB - An analyte that was identified in an aqueous equipment (field) blank, trip blank, or bottle blank that was used to assess field contamination associated with soil/sediment samples. These qualifiers are to be applied to soil/sediment sample results only.

These codes are assigned during the validation process and are based on the data review of the results. They are recorded on the Data Summary Forms contained in Attachment A and the Organic Analysis Data Sheets (Form I) in Attachment B of this validation report.

All data users should note two facts. First, **the "R" qualifier means that the laboratory-reported value is completely unusable.** The analysis is invalid due to significant quality control problems, and provides no information as to whether the compound is present or not. Rejected values should not appear on data tables because they have no useful purpose under any circumstances. Second, **no analyte concentration is guaranteed to be accurate even if all associated quality control is acceptable.** While strict quality control conformance provides well-defined confidence in the reported results, any analytical result will always contain some error.

The user is also cautioned that the validation effort is based on the materials provided by the laboratory. Software manipulation, resulting in misleading raw data printouts, cannot be routinely detected during validation; unless otherwise stated in the report, these kinds of issues are outside the scope of this review.

Detailed Findings of Measurement Error Associated with the Analytical Analysis

I. Preservation and Technical Holding Times (Sample Integrity)

The samples for volatiles analysis in SDG Nos. BRES30, UNIF24, and WHEA11 were collected on October 20, 21, 24, 25, 27, and 28, 2005. All volatiles analyses were performed within the acceptable holding times for preserved water samples (14 days from collection), as required by Region 1. Although not provided in the case narrative (as required by the CLP SOW), the pH of the samples was recorded on the instrument run logs in the Sample Preparation sections of the data packages, with the exception of the method 524.2 samples in SDG No. UNIF24 and approximately half of all the method 8260B samples submitted, for which no pH was recorded. All recorded sample pH values reported were <2. The FLCM requires that the pH of the samples must be measured upon receipt at the laboratory, and none of the samples were analyzed until more than 7 days after receipt. Since the field notes submitted by the field engineer indicated that all samples were collected in vials acidified with hydrochloric acid, no qualifications were necessary on the basis of the missing pH information for the samples in these data packages. The laboratory has been informed of these omissions.

The cooler temperatures on receipt at the laboratory were checked and documented in the data packages to be at 4.9 ^{o}C, 3.3 ^{o}C, 5.0 ^{o}C, 5.1 ^{o}C, 2.6 ^{o}C, and 2.9 ^{o}C, which are within the acceptable range of 4 ^{o}C ± 2 ^{o}C, with the exception of the cooler received on 10/24/06, which was received at 8.2 ^{o}C. This cooler contained samples collected on 10/24/05, which were at temperatures of 10.7 – 14.5 ^{o}C at the time of collection (10:30 – 15:25). Since this cooler was delivered to the laboratory at 17:20 on the same day, active cooling of the samples had clearly begun, and ice was present in the cooler at the time of delivery. Therefore, no qualifications were necessary on the basis of sample receipt temperatures above the acceptable range.

II. GC/MS Instrument Performance Check (Tuning)

The samples for volatiles analysis from SDG Nos. BRES30, UNIF24, and WHEA11 were analyzed on two GC/MS systems identified as instruments L and N. The tuning of these instruments was demonstrated with analysis of 4-bromofluorobenzene (BFB); tunes were analyzed for each shift (12-hour period) during which the samples or associated standards were analyzed. All seventeen (17) BFB tunes were correctly calculated, within acceptance limits, and are reported accurately on the Form V summaries in the data packages.

III. Initial Calibration (IC)

Two ICs (10/25/05 and 11/7-8/05) were performed on instrument L and one IC (10/22/05) was performed on instrument N in support of the method 8260B sample analyses reported in these data packages. One IC (11/3/05) was performed on instrument L and one IC (10/3/05) was performed on instrument N in support of the method 524.2 sample analyses reported in these data packages. Documentation of all individual IC standards was present in the data packages and relative response factor (RRF) as well as percent relative standard deviation (%RSD) values were correctly calculated and accurately reported on the Form VI

summaries. One target compound was manually integrated in each of the method 8260B ICs on instrument L on 11/7-8/05 and instrument N on 10/22/05, one target compound was manually integrated in the method 524.2 IC on instrument L, and several target compounds were manually integrated in the method 524.2 IC on instrument N submitted with this data set. All of the manual integrations were correctly performed and accurately reported with the final area listed on the tabular report, although not all of the manual integrations were signed by the analyst.

All %RSDs for the ICs were below the maximum limit (30%) specified by Region I.

All RRF's were above the 0.05 minimum technical criterion, with the exception of 2-butanone, which had an average RRF below the acceptance level (range 0.022 – 0.029) in all five ICs.

Pursuant to the Region I validation document, results for 2-butanone in all samples in this data set warranted rejection (R) based on the low RRF achieved. However, 2-butanone was spiked at a concentration of 5 µg/L or 50 µg/L in the laboratory control samples and in the matrix spike and matrix spike duplicate samples prepared and analyzed with this data set, and acceptable recoveries for 2-butanone were achieved or were above the upper laboratory control limit in all analyses. Therefore, based on the acceptable or high recoveries for 2-butanone in the laboratory control samples and the matrix spike analyses, the result for 2-butanone was not qualified in any samples based on the low RRF in the associated IC.

IV. Continuing Calibration (CC)

Six continuing calibration (CC) standards were run on instrument L and two CC standards were run on instrument N in support of the Method 8260B sample analyses reported in these data packages. The method 524.2 samples analyzed on instrument L were run in the same analytical window as the IC, so no CC standards were required or reported. Four CC standards were run on instrument N in support of the method 524.2 sample, performance evaluation (PE) and PE check analyses reported in these data packages.

Documentation of the CC standards was present in the data packages and RRF as well as percent difference (%D) values were correctly calculated and accurately reported on the Form VII summaries within the data packages

All RRFs were above the 0.05 minimum criterion, with the following exceptions: For the eight CCs analyzed for method 8260B, 2-butanone had an RRF of 0.021 – 0.026, and for the four CCs analyzed for method 524.2, 2-butanone had an RRF of 0.018 – 0.023. In two of the CCs analyzed for method 524.2 on instrument N (11/8/05 and 11/15/05), acetone had an RRF of 0.046 and 0.049.

For the reasons discussed in Section III, no results for 2-butanone in any samples were rejected on the basis of the RRF below the Region 1 acceptance limit in the associated CC standards. Pursuant to the Region I validation document, results for acetone in WP-5, WP-7, WP-8, and WP-13 warranted rejection (R) based on the low RRF achieved. However, acetone was spiked at a concentration of 5 µg/L in the laboratory control sample and in the matrix spike and matrix spike duplicate samples prepared and analyzed on instrument N on 11/8/05, and acceptable recoveries for acetone were achieved in these analyses. Therefore, based on the acceptable recoveries for acetone in the laboratory control sample and the matrix spike analyses, the result for

acetone was not qualified in any samples based on the low RRF in the associated CC standard. No field samples were analyzed on instrument N on 11/15/05, so no results for acetone in any samples were rejected based on the unacceptably low RRF achieved in the associated CC standard.

The maximum limit for %D in the CC standard allowed by Region 1 is ±25%. All %D results were below this limit for the CC standards, with the following exceptions:

Instrument (method)	CC Date	Time	Compound	%D
L (8260B)	11/2/05	1120	Acetone	+32.2
			2-Butanone	+27.6
	11/3/05	1004	Acetone	+34.5
			2-Butanone	+27.6
N (524.2)	11/15/05	2145	2-Hexanone	+29.3

On the basis of unacceptable % D values in the associated CC standards, results for acetone and 2-butanone in MW-102D, TB-3, MW-4D, MW-4S, MW-Y, MW-3D, MW-3S, FB-3, TB-4, MW-PL2, MW-PLX, MW-PL1, MW-S3, MW-S1, MW-S2, FB-4, BRW-X, MW-25884, and FB-5 were qualified as estimated (J, UJ).

No results for acetone or 2-butanone were taken from any of the dilution analyses analyzed on instrument L on 11/2/05 or 11/3/05, so no qualifications were necessary on the basis of the high %D in the associated CC. Only the performance evaluation check sample was analyzed on instrument N on 11/15/05, so no qualifications were necessary on the basis of the high %D in the associated CC.

It should be noted that negative % difference values will result in a low bias for positive detects, and a positive % difference will result in a high bias for positive detects.

V. Blanks

Results for eight method 8260B and five method 524.2 water-matrix laboratory method blanks (MBs) were reported in association with this set of samples. No target analytes were detected in any MB.

Seven trip blanks (TBs) were reported in these SDGs. No target analytes were detected in any TB.

Eoght field blanks (FBs) were reported in these SDGs. No target analytes were detected in any FB, with the exception of FB-6, which had 0.27 ug/L chloromethane.

Five holding (storage) blanks (HBs) were reported in these SDGs. No target analytes were detected in any HB, with the exception of HB78260, which had 0.28 ug/L chloromethane and 2.0 ug/L acetone.

On the basis of laboratory contamination, results for chloromethane in MW-S2 and W-Z and for acetone in PZ-101, W-25, W-Z, SEEP-1A, and SS-3 were qualified as less than the quantitation limit (U).

VI. Surrogate Compounds

Percent recoveries (%R) for surrogate compounds were correctly calculated, accurately reported on the Form II summaries within the data packages, and were within acceptance limits for all sample analyses, with the following exceptions:

Surrogates toluene-d_8 (TOL), bromofluorobenzene (BFB), and 1,2-dichlorobenzene-d_4 (DCB) in sample MW-25884 were recovered below (82, 93, and 89 %R, respectively) the lower acceptance limits (85, 95, and 95 %R, respectively). This sample was appropriately reanalyzed, and the surrogate recoveries for TOL and BFB were acceptable in the reanalysis; surrogate DCB was again recovered below (91 %R) the lower acceptance limit (95 %R). On the basis of improved surrogate recovery only the results from the reanalysis are used in this validation. In sample SP-4, surrogate 1,2-dichloroethane-d_4 (DCE) was recovered above (136 %R) the upper acceptance limit (135 %R). In sample W-1, surrogate DCB was recovered marginally below (94.98 %R) the lower acceptance limit (95 %R). In samples TB-3 and MW-YDL, surrogate DCB was recovered below (94 %R) the lower limit. No reanalysis was performed for SP-4, W-1, or TB-3, and all surrogates were recovered within acceptance limits in the original analysis of sample MW-Y.

On the basis of unacceptably low surrogate recovery, results for 1,1,2,2-tetrachloroethane in MW-25884 and TB-3 were qualified as estimated (UJ). No results were used from this region of the dilution analysis MW-YDL, so no qualifications were necessary on the basis of the low DCB surrogate recovery in that analysis. On the basis of surrogate recovery above the upper acceptance limit, results for methylene chloride, cis-1,2-dichloroethene, total 1,2-dichloroethene, and chloroform in SP-4 were qualified as estimated (J). Since the recovery rounded to within the acceptance limit, no results were qualified on the basis of the marginally low surrogate recovery in sample W-1.

VII. Internal Standards (IS)

All IS areas and retention times (RT) were within the established QC limits for all reported sample analyses in these data packages.

VIII. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Samples MW-4S, SS-5, W-1, and the dilution analysis of MW-S2 were used for the MS/MSD analyses for the Method 8260B analyses in this data set. The spiking solutions contained all target compounds at 1 µg/L (except for the ketones at 5 µg/L), except for MW-S2DL, in which the spiking concentration was 2.7 ug/L in the dilution analysis. Percent recoveries (%R) and relative percent differences (%RPD) between paired recoveries were correctly calculated and accurately reported on the Form III summaries for the spiked analytes.

All recoveries were acceptable (60 – 140 %R) and reproducible (RPD 0-40%), with the following exceptions:

Recoveries for the compound styrene in the MS and MSD analyses of sample MW-4S were reported below (62 and 71 %R, respectively), the lower laboratory-derived control limit (80 %R) but above the Region 1 lower acceptance limit. Recoveries of trans-1,2-dichloroethene, total 1,2-dichloroethene, benzene, bromodichloromethane, toluene, 1,1,2-trichloroethane, 2-hexanone, chlorobenzene, ethylbenzene, o-xylene, and 1,1,2,2-tetrachloroethane above (120 – 140 %R) the upper laboratory control limits (110 – 130 %R) but within the Region 1 acceptance criteria (60 – 140 %R); of vinyl chloride, chloroethane, methylene chloride, 1,1-dichloroethane, cis-1,2-dichloroethene, 2-butanone, chloroform, 1,2-dichloroethane, 1,2-dichloropropane, and 4-methyl-2-pentanone above (170 – 182 %R) the laboratory (120 - 160 %R) and Region 1 limits, and of carbon disulfide below (53 %R) the lower laboratory control limit (70 %R) and the Region 1 lower acceptance limit were reported in either or both the MS and MSD analyses for sample SS-5.

Recoveries of benzene, 1,2-dichloroethane, 4-methyl-2-pentanone, toluene, 1,1,2-trichloroethane, chlorobenzene, ethylbenzene, m,p-xylene, total xylenes, o-xylene, and 1,1,2,2-tetrachloroethane above (120 – 140 %R) the upper laboratory control limits (110 – 155 %R) were reported in the MS or MSD analyses of sample W-1. Recovery of tetrachloroethene above (200 and 400 %R, respectively) the upper laboratory control limit (125 %R) and the Region 1 upper acceptance limit were reported in the MS and MSD analyses of sample W-1. However, tetrachloroethene was reported in the unspiked analysis of sample W-1 at 25 µg/L, and the MS and MSD analyses were spiked at 1 µg/L. The reproducibility for tetrachloroethene in W-1 was 67 % RPD (limit 40 % RPD).

Recoveries of ethylbenzene, m,p-xylene, total xylenes, o-xylene, styrene, and bromoform below (63 - 86 %R) the lower laboratory control limits (65 - 90 %R), and of toluene and bromoform below (37 - 48 %R) the laboratory and Region 1 lower limits were reported in either MW-S2DLMS or MW-S2DLMSD. However, toluene was reported in the unspiked analysis of sample MW-S2DL at 71 µg/L, and the MS and MSD analyses were spiked at 2.7 µg/L. The reproducibility of o-xylene was 21 %RPD, which is above the laboratory established acceptance limit (20 %RPD), but within the Region 1 limit (40 %RPD).

On the basis of professional judgment, no sample results were qualified on the basis of the recoveries outside laboratory derived control limits but within Region 1 acceptance criteria.

Since vinyl chloride, chloroethane, methylene chloride, 1,1-dichloroethane, cis-1,2-dichloroethene, 2-butanone, chloroform, 1,2-dichloroethane, 1,2-dichloropropane, and 4-methyl-2-pentanone were not detected in the unspiked sample analysis, no results warranted qualification in SS-5 on the basis of recoveries in the MS or MSD analyses above the laboratory established acceptance limits and the Region 1 acceptance criteria. On the basis of recovery below the laboratory lower limit and the Region 1 acceptance limit in the MS analysis, the result for carbon disulfide in SS-5 was qualified as estimated (J).

On the basis of professional judgment, and the concentration in the unspiked sample more than 4 times the spiking concentration, no results for tetrachloroethene were qualified on the basis of the high recoveries and poor reproducibility in the MS and MSD analyses of sample W-1.

On the basis of recovery below the laboratory lower limit and the Region 1 acceptance limit in the MS analysis, the result for bromoform in MW-S2 was qualified as estimated (UJ). On the basis of professional judgment, and the concentration in the unspiked, diluted sample more than 4 times the spiking

concentration, no results for toluene were qualified on the basis of the low recovery in the MS and MSD analyses of sample MW-S2DL.

Samples BRESSETT SPRING and WP-8 were used for the MS/MSD analyses for the Method 524.2 analyses in this data set. The spiking solutions contained all target compounds at 1 µg/L (except for the ketones at 5 µg/L). Percent recoveries (%R) and relative percent differences (%RPD) between paired recoveries were correctly calculated and accurately reported on the Form III summaries for the spiked analytes. All recoveries (72 – 120 %R) were acceptable (60 – 140 %R) and reproducible (0 – 15 %RPD; limit, 40 %RPD).

All analytes were spiked into the MS/MSD analyses for both Methods 8260B and 524.2; therefore non-spiked target compounds could not be evaluated against the parent samples to evaluate laboratory precision.

IX. Field Duplicates

SDG Nos. BRES30, UNIF24, and WHEA11 contained eight field duplicate pairs, which were identified as presented in the table below.

Field Sample	Field Duplicate
MW-PL1	MW-PLX
MW-3D	MW-Y
MW-101D	MW-Z
MW-25884	BRW-X
MW-E	W-Z
W-SEEP	SS-Z
WP-3	WP-Z
SHIELDS	WELL Z

Precision in the field duplicate pairs MW-PL1 and MW-PLX, MW-3D and MW-Y, MW-101D and MW-Z, W-SEEP and SS-Z, and WP-3 and WP-Z was acceptable (less than 30 % RPD) for all target analytes greater than 2 times the quantitation limit, with the following exceptions:

In the field duplicate pair MW-25884 and BRW-X, vinyl chloride, trichloroethene, and tetrachloroethene were reported below the quantitation limit in one sample and not detected or reported at less than twice the quantitation limit in the other sample. Target compounds cis-1,2-dichloroethene and total 1,2-dichloroethene were reported at values greater than twice the quantitation limit in MW-25884, but at values less than the quantitation limit in BRW-X, and had reproducibility of 172.3 and 172.2 %RPD, respectively.

In the field duplicate pair MW-E and W-Z, chloromethane, acetone, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and total 1,2-dichloroethene were reported below the quantitation limit in both samples. Target compounds trichloroethene and tetrachloroethene were reported at values greater than twice the quantitation limit in both samples of the field duplicate pair and had reproducibility of 42.4 and 46.2 %RPD, respectively.

On the basis of professional judgment, no qualifications were warranted for results reported below the quantitation limit in one sample of the field duplicate pair but not detected in the other sample, or below the quantitation limit in both samples of the field duplicate pair.

On the basis of poor reproducibility in the field duplicate pair, results for cis-1,2-dichloroethene and total 1,2-dichloroethene in MW-25884 and BRW-X were qualified as estimated (J). On the basis of poor reproducibility in the field duplicate pair, results for trichloroethene and tetrachloroethene in MW-E and W-Z were qualified as estimated (J).

No target compounds were detected in samples SHIELDS and WELL-Z, so precision could not be evaluated in that field duplicate pair.

X. Sensitivity Check

The aqueous MDL for Method 8260B submitted for this project was performed on 07/13/04, and the MDL for Method 524.2 was performed on 10/01/04; these are just over one year prior to the sample analyses in this data set for both methods. All analytes in both studies had calculated MDL's below the method quantitation limits, however they were not all less than one fifth the PQL, as required in the Field/Laboratory Coordination Memorandum (FLCM).

The laboratory control samples analyzed with the samples were spiked at 1 µg/L (except for one LCS spiked at 10 µg/L), and the MS and MSD analyses were spiked at 1 µg/L. Recoveries within Region 1 acceptance criteria (60 – 140 %R) were obtained, except as noted in Sections VIII (above) and XI (below).

XI. Performance Evaluation (PE) Samples/Accuracy Check

Eleven (11) zero blind PE samples (commonly known as laboratory control samples, LCS) were prepared and analyzed by the laboratory at 1 µg/L in support of the Method 8260B sample analyses in this data set. One LCS was prepared and analyzed at 10 µg/L; this analytical window contained no field samples. Percent recoveries were correctly calculated and accurately reported on Form III summaries in the data packages, and were acceptable (60 – 140 %R), with the following exceptions:

Tetrachloroethene was recovered above (150 %R) the upper laboratory derived control limit (125 %R) and the Region upper acceptance limit (140 %R) in the LCS identified as LISH LCS. Tetrachloroethene was recovered above (130 %R) the upper laboratory derived control limit (125 %R) but within the Region 1 upper acceptance limit in the LCS identified as LISI LCS. Benzene, 1,2-dichloroethane, and 1,2-dichloropropane were detected above (120 – 130 %R) the upper laboratory control limits (115 – 125 %R) but within the Region 1 upper acceptance limit in the LCS identified as LIUC LCS.

Benzene, toluene, tetrachloroethene, chlorobenzene, total xylenes, and o-xylene were recovered above (115 – 140 %R) the upper laboratory control limits (110 – 130 %R) but within the Region 1 upper acceptance limit, and chloromethane and acetone were recovered above (200 and 166 %R, respectively) the

upper laboratory control limits and the Region 1 upper acceptance limit in the LCS identified as NBKN LCS.

The analytes trans-1,2-dichloroethene, benzene, 1,2-dichloroethane, 1,2-dichloropropane, toluene, 2-hexanone, chlorobenzene, ethylbenzene, and o-xylene were recovered above (115 – 140 %R) the upper laboratory control limits (110 – 130 %R) but within the Region 1 upper acceptance limit, and acetone, 2-butanone, and 4-methyl-2-pentanone were recovered above (150 - 260 %R) the upper laboratory control limits and the Region 1 upper acceptance limit in the LCS identified as NBKO LCS.

On the basis of professional judgment, no sample results were qualified on the basis of the recoveries outside laboratory derived control limits but within Region 1 acceptance criteria. On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, results for tetrachloroethene in MW-102S, MW-101S, MW-101DDL and MW-ZDL were qualified as estimated (J). On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, results for tetrachloroethene in MW-101D and MW-Z warranted qualification as estimated; however, these results were subsequently rejected (R), and the R qualifier takes precedence.

On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, results for acetone in PZ-101, W-25, Seep-1A, and SS-3 also warranted qualification as estimated (J); however, these results were previously qualified as less than the quantitation limit (U).

Five (5) LCS samples were prepared and analyzed by the laboratory at 1 µg/L in support of the method 524.2 sample analyses in this data set. Percent recoveries were correctly calculated and accurately reported on Form III summaries in the data packages, and were acceptable (60 – 140 %R), with the following exceptions:

Recovery above (134 %R) the upper laboratory control limit (130 %R) was reported for acetone, and recovery above (170 %R) the upper laboratory control limit and the Region 1 limit (140 %R) was reported for 2-butanone in NBGO LCS. Recovery below (66 %R) the lower laboratory limit (70 %R) but above the Region 1 lower limit (60 %R) was reported for 2-hexanone in NBGP LCSD.

On the basis of professional judgment, no samples were qualified on the basis of the recoveries outside laboratory derived control limits but within Region 1 acceptance criteria. Since 2-butanone was not detected in any samples, no results were qualified on the basis of the unacceptably high recovery in NBGO LCS.

One external double-blind PES sample and one external single-blind PES sample for Method 524.2 were submitted with the samples in this sampling round. The results of the PES analyses are summarized in Appendix C. All spiked compounds were within the vendor's published QC Performance Acceptance Limits (three standard deviations), for both analyses. The rationale for and the results of the single-blind PES sample analysis are discussed in the annual Quality Assurance Summary report submitted as Appendix D.

An acceptance range for the combined m- & p-xylene isomers was not established by the vendor; however, the total xylenes result was well within its acceptance range.

XII. Target Compound Identification

Reported target compounds were correctly identified with supporting spectra present for all samples in these data packages. Several target compounds were manually integrated in the sample analyses submitted with this data set. All of the manual integrations were correctly performed and accurately reported with the final area listed on the tabular report.

XIII. Compound Quantitation and Reported Quantitation Limits

Target compound quantitation and practical quantitation limits (PQLs) were accurately reported on the Form I summaries. Tetrachloroethene was detected above the calibration range in the original analyses of samples MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, and W-23; these samples were reanalyzed at an appropriate dilution to bring tetrachloroethene within the upper half of the calibration range, and both sets of analyses were reported in the data package.

Toluene was detected above the calibration range in the original analyses of sample MW-S2; this sample was reanalyzed at an appropriate dilution to bring toluene with the upper half of the calibration range, and both analyses are reported in the data package.

Results for tetrachloroethene initially outside the calibration range in the original analyses of samples MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, and W-23 were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL). Results for cis-1,2-dichloroethene initially outside the calibration range in the original analyses of samples MW-101D and MW-Z were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL and MW-ZDL).

The result for toluene initially outside the calibration range in the original analysis of sample MW-S2 was rejected (R) and replaced with the acceptable concentration from the corresponding diluted sample (MW-S2DL).

Results for all other analytes in samples MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL, and MW-S2DL were rejected (R) because acceptable results for these compounds were taken from the original analyses (MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, W-23, and MW-S2).

“E” qualifiers were appropriately applied by the laboratory to sample Form I results when concentrations of target analytes were greater than the instrument calibration range. “D” qualifiers were properly applied by the laboratory to positive results from diluted sample analyses. The validator removed all laboratory-applied “E” and “D” qualifiers. An “X” has been drawn across the entire Form I for the diluted analyses noted above.

The laboratory appropriately applied “J” qualifiers to the sample Form I’s when the concentration of an analyte was less than the sample-specific PQL. The validator did not remove these qualifiers.

The values that the validator has judged to be acceptable are presented on the Data Summary Forms in Attachment A and on the Form 1s in Attachment B.

The Data Summary Forms (DSFs) in Attachment A list all individual sample analytes affected by the applied qualifications. All positive results are listed on these forms, whether or not the value or qualifier was changed as a result of the validation. Where no result is listed, the compound was not detected and the PQL was not qualified. Sample-specific quantitation limits may be found on the laboratory-generated Form I for each sample (Attachment B) or may be calculated for waters from the information on the DSFs as follows: unadjusted PQL (far left column) multiplied by the concentration/dilution factor (DF).

XIV. Tentatively Identified Compounds (TICs)

Evaluation of unidentified, non-target analyte peaks was not requested or performed for these samples.

XV. System Performance

The analytical systems appear to have been operating well at the time of these analyses based on the evaluation of the available raw data.

XVI. Overall Evaluation of Data

Results for volatile organic compounds were determined to be valid as reported for all samples in SDG Nos. BRES30, UNIF24, and WHEA11, with the following exceptions:

- On the basis of unacceptable % D values in the associated CC standards, results for acetone and 2-butanone in MW-102D, TB-3, MW-4D, MW-4S, MW-Y, MW-3D, MW-3S, FB-3, TB-4, MW-PL2, MW-PLX, MW-PL1, MW-S3, MW-S1, MW-S2, FB-4, BRW-X, MW-25884, and FB-5 were qualified as estimated (J, UJ).

- On the basis of laboratory contamination, results for chloromethane in MW-S2 and W-Z and for acetone in PZ-101, W-25, W-Z, SEEP-1A, and SS-3 were qualified as less than the quantitation limit (U).

- On the basis of unacceptably low surrogate recovery, results for 1,1,2,2-tetrachloroethane in MW-25884 and TB-3 were qualified as estimated (UJ).

- On the basis of surrogate recovery above the upper acceptance limit, results for methylene chloride, cis-1,2-dichloroethene, total 1,2-dichloroethene, and chloroform in SP-4 were qualified as estimated (J).

- On the basis of recovery below the laboratory lower limit and the Region 1 acceptance limit in

the MS analysis, the result for carbon disulfide in SS-5 was qualified as estimated (J).

- On the basis of recovery below the laboratory lower limit and the Region 1 acceptance limit in the MS analysis, the result for bromoform in MW-S2 was qualified as estimated (UJ).

- On the basis of poor reproducibility in the field duplicate pair, results for cis-1,2-dichloroethene and total 1,2-dichloroethene in MW-25884 and BRW-X were qualified as estimated (J).

- On the basis of poor reproducibility in the field duplicate pair, results for trichloroethene and tetrachloroethene in pair MW-E and W-Z were qualified as estimated (J).

- On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, results for tetrachloroethene in in MW-102S, MW-101S, MW-101DDL and MW-ZDL were qualified as estimated (J).

- On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, results for tetrachloroethene in MW-101D and MW-Z warranted qualification as estimated; however, these results were subsequently rejected (R), and the R qualifier takes precedence. On the basis of recovery above the laboratory and Region 1 limits, results for acetone in PZ-101, W-25, Seep-1A, and SS-3 also warranted qualification as estimated (J); however, these results were previously qualified as less than the quantitation limit (U).

- Results for tetrachloroethene initially outside the calibration range in the original analyses of samples MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, and W-23 were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL).

- Results for cis-1,2-dichloroethene initially outside the calibration range in the original analyses of samples MW-101D and MW-Z were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL and MW-ZDL).

- The result for toluene initially outside the calibration range in the original analysis of sample MW-S2 was rejected (R) and replaced with the acceptable concentration from the corresponding diluted sample (MW-S2DL).

- Results for all other analytes in samples MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL, and MW-S2DL were rejected (R) because acceptable results for these compounds were taken from the original analyses (MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, W-23, and MW-S2).

Documentation problems observed in the data packages are described in Section XVII.

XVII. Documentation

Chain-of-custody (COC) and internal chain-of-custody (ICOC) records were present and completed accurately. Data presentation was acceptable, with the following observations:

- Improper edits were noted on an instrument run log. All corrections should be made by making a single line through the edit, adding the correct information, and recording the editor's initials and the date.

- The pH of some of the samples was recorded on the instrument run, with the exception of the method 524.2 samples in SDG No. UNIF24 and approximately half of all the method 8260B samples submitted, for which no pH was recorded. The FLCM requires that the pH of the samples must be measured upon receipt at the laboratory, and none of the samples were analyzed until more than 7 days after receipt.

- The Case Narrative submitted with SDG. No. BRES30 contains multiple errors on the first page, including a reference to a different SDG, and an incomplete sample identification cross-reference table.

- Some of the manual integrations submitted with these data packages were not signed by the analyst.

These issues do not directly affect the validity of the analytical data, but could be problematic if the results were to be used in a litigation situation.

This validation report should be considered part of the data packages for all future distributions of the volatiles (8260B and 524.2) analysis data.

FEB 15 2006

Phoenix Chemistry Services

February 11, 2006

Mr. Gerold Noyes
Waste Management Division
VT Department of Environmental Conservation
103 South Main Street/ West Building
Waterbury, VT 05676-0404

Reference #s: 2005-1222-001, -1223-001, and -1227-001

Dear Gerold,

Enclosed please find the results of the data validation of Sample Delivery Group (SDG) Nos. BRES30, UNIF24, and WHEA11 from the Environmental Monitoring work at the Wheatley Farm Site in Brookfield, VT, the Bressett Site, in Randolph, VT, and the UniFirst Site in Williamstown, VT. The water samples in these SDGs were collected on October 20, 21, and 24-28, 2005. The laboratory analyses were performed by STL Burlington (Severn Trent Laboratories) of Colchester, VT.

The data packages were received on December 22, 23, and 27, 2005, and the validation has been performed by Phoenix Chemistry Services, to the extent possible according to the Tier III guidelines as defined by USEPA Region 1, as presented in "Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses", December, 1996. The EPA's National Functional Guidelines for Organic Data Review (EPA 540/R-99/008, October, 1999, and the Phoenix Chemistry Services Field/Laboratory Coordination Memorandum for Water Monitoring (FLCM), April 2, 2004 were also considered during the evaluation, and professional judgement was applied as necessary and appropriate. Data qualifiers have been applied in the final validation report as necessary and appropriate, in accordance with these guidelines.

The annual Quality Assurance review for all samples, methods, and matrices is included as Appendix D of this report.

Thank you for this opportunity to provide data validation services to the Waste Management Division. We look forward to continuing to work with you. If there are any questions or concerns about the material in this report, please do not hesitate to contact me for help and clarification.

Sincerely,

Deborah H. Gaynor, Ph.D.
Principal, Phoenix Chemistry Services

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DATA VALIDATION

FOR

UniFirst Project
UniFirst, Bressett, and Wheatley Sites
Williamstown, Randolph, and Brookfield, VT

ORGANIC ANALYSIS DATA
Volatile Organics in Water Samples

Sample Delivery Group Nos. BRES30, UNIF24, and WHEA11

Chemical Analyses Performed by:

STL Burlington
208 South Park Dr. Suite 1
Colchester, VT 05446

FOR

Mr. Gerold Noyes
VT Department of Environmental Conservation
Waste Management Division
103 South Main Street, West Building
Waterbury, VT 05676-0404

Data Validation Report by:

Phoenix Chemistry Services
126 Covered Bridge Rd.
N. Ferrisburg, VT 05473
(802)-233-2473

February 10, 2006

References #2005-1222-001, -1223-001, and -1227-001
VOA Validation Report/BRES30, UNIF24, & WHEA11/dhg

EXECUTIVE SUMMARY

Phoenix Chemistry Services (Phoenix) has completed the validation of the volatile organics analysis data prepared by Severn Trent Laboratories (STL Burlington) for 44 groundwater and bedrock samples, 10 water supply samples, 8 field blanks (FB), 7 trip blanks (TB), one (double-blind) performance evaluation sample (PES), and one ampulated (single-blind) performance evaluation check sample, from the Bressett Site in Randolph, VT, the Wheatley Farm site in Brookfield, VT, and the UniFirst Site in Williamstown, VT. The laboratory reported the data under Sample Delivery Group (SDG) Nos. BRES30, UNIF24, and WHEA11, which were submitted as three data packages received by Phoenix on December 22, 23, and 27, 2005, and which include the following samples:

Sample Identifier	Laboratory ID
Method 8260B	
SDG No. BRES30	
TB-1	643901
MW-103D	643902
MW-104S	643903
MW-104D	643904
MW-102D	643905
MW-102S	643906
MW-101S	643907
MW-101D	643908
FB-1	643909
MW-Z	643910
TB-3	644540
MW-4S	644541
MW-4D	644542
MW-3S	644543
MW-Y	644544
MW-3D	644545
FB-3	644546
TB-5	644622
BRW-1	644623
BRW-2	644624
BRW-3	644625
SDG No.WHEA11	
TB-4	644551
MW-PL2	644552
MW-PLX	644553
MW-PL1	644554
MW-S3	644555

Sample Identifier	Laboratory ID
MW-S2	644556
MW-S1	644557
FB-4	644558
SDG No. UNIF24	
BRW-X	644626
MW-25884	644627
FB-5	644628
TB-6	645141
PZ-101	645142
PZ-102	645143
W-25	645144
MW-50	645145
W-19	645146
W-20	645147
MW-E	645148
MW-C	645149
MW-D	645150
W-1	645151
W-23	645152
FB-6	645153
W-Z	645154
SEEP-1A	645155
SS-3	645156
SS-2	645157
SS-1	645158
SS-5	645159
W-SEEP	645160
SS-Z	645161
SP-4	645162
SP-3	645163
FB-8	645164
Method 524.2	
SDG No. BRES30	
TB-2	644535
WELL Z	644536
SHIELDS	644537
BRESSETT SPRING	644538
FB-2	644539
SDG No. UNIF24	
TB-7	645165
WP-5	645166

Sample Identifier	Laboratory ID
WP-23 [PE]	645167
WP-7	645168
WP-8	645169
WP-13	645170
WP-20	645171
WP-3	645172
WP-Z	645173
FB-7	645174
VOCS Conc.	647175

A cross-reference table of sample IDs was provided in the data packages. However, the cross-reference table in the submittal of SDG No. BRES30 does not include any of the samples for method 524.2, and only lists three of the sixteen samples, one of the three TBs, and neither of the two FBs listed on the chain of custody records for method 8260B.

Findings of the validation effort resulted in the following qualifications of sample results:

- Results for acetone and 2-butanone in MW-102D, TB-3, MW-4D, MW-4S, MW-Y, MW-3D, MW-3S, FB-3, TB-4, MW-PL2, MW-PLX, MW-PL1, MW-S3, MW-S1, MW-S2, FB-4, BRW-X, MW-25884, and FB-5 were qualified as estimated (J, UJ).

- Results for chloromethane in MW-S2 and W-Z and for acetone in PZ-101, W-25, W-Z, SEEP-1A, and SS-3 were qualified as less than the quantitation limit (U).

- Results for 1,1,2,2-tetrachloroethane in MW-25884 and TB-3 were qualified as estimated (UJ).

- Results for methylene chloride, cis-1,2-dichloroethene, total 1,2-dichloroethene, and chloroform in SP-4 were qualified as estimated (J).

- The result for carbon disulfide in SS-5 was qualified as estimated (J).

- The result for bromoform in MW-S2 was qualified as estimated (UJ).

- Results for cis-1,2-dichloroethene and total 1,2-dichloroethene in MW-25884 and BRW-X were qualified as estimated (J).

- Results for trichloroethene and tetrachloroethene in MW-E and W-Z were qualified as estimated (J).

- Results for tetrachloroethene in in MW-102S, MW-101S, MW-101DDL and MW-ZDL were qualified as estimated (J).

- Results for tetrachloroethene in MW-101D and MW-Z warranted qualification as estimated; however, these results were subsequently rejected (R), and the R qualifier takes precedence. Results for acetone in PZ-101, W-25, Seep-1A, and SS-3 also warranted qualification as estimated (J); however, these results were previously qualified as less than the quantitation limit (U).

- Results for tetrachloroethene in MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, and W-23 were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL).

- Results for cis-1,2-dichloroethene in MW-101D and MW-Z were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL and MW-ZDL).

- The result for toluene in MW-S2 was rejected (R) and replaced with the acceptable concentration from the corresponding diluted sample (MW-S2DL).

- Results for all other analytes in samples MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL, and MW-S2DL were rejected (R) because acceptable results for these compounds were taken from the original analyses (MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, W-23, and MW-S2).

The Overall Evaluation of Data (Section XVI) summarizes the validation results. The validation findings and conclusions for each analytical parameter are detailed in the remaining sections of this report.

Documentation problems observed in the data packages are described in Section XVII.

At the discretion of the data user, missing documentation discussed in Section XVII should be provided to ensure that complete data packages records are available for future reference.

This validation report shall be considered <u>part of the data packages</u> for all future distributions of the volatiles (8260B and 524.2) analysis data.

INTRODUCTION

Analyses were performed according to SW-846 Method 8260B Low Level and SDWA Method 524.2 Rev. 4.1, as documented in STL SOP 8260B and STL SOP 524.2, respectively, and in accordance with requirements in the Field/Laboratory Coordination Memorandum for Water Monitoring (FLCM), April 2, 2004. The target compound list for Method 8260B was limited to the OLM03.1 CLP target compound list, and the target compound list for Method 52.4.2 was limited to the OLM03.1 CLP target compound list plus methyl-*tert*-butyl ether.

Tentative identification of non-target analyte peaks (i.e., tentatively identified compounds, or TICs) was not requested for these analyses.

Phoenix Chemistry Services' validation was performed in conformance with Tier III guidelines as defined by USEPA Region I. Data qualifiers were applied as necessary and appropriate. The data were evaluated in accordance with the "Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses", December 1996. EPA's National Functional Guidelines for Organic Data Review (EPA 540/R-99/008, October, 1999) were also considered during the evaluation, and professional judgement was applied as necessary and appropriate.

The data validation process evaluates data on a technical basis for chemical analyses conducted under the CLP or other well-defined methods. Contract compliance is evaluated only in specific situations. Issues pertaining to contractual compliance are noted where applicable. It is assumed that the data package is presented in accordance with the CLP (CLP-like or SW-846) requirements. It is also assumed that the data packages represents the best efforts of the laboratory and has already been subjected to adequate and sufficient quality review prior to submission for validation. In instances where SW-846 or other specific methods have been used for the analyses, the validation effort is modified to acknowledge the differences in methodology while maintaining the goals and quality objectives of the CLP.

Results of sample analyses are reported by the laboratory as either qualified or unqualified; various qualifier codes are used by the laboratory to denote specific information regarding the analytical results. During the validation process, laboratory data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data validator. Raw data is examined in detail to check calculations, compound identification, and/or transcription errors. Validated results are either qualified or unqualified; if results are unqualified, this means that the reported values may be used without reservation. Final validated results are annotated with the following codes, as defined in the EPA Region I Functional Guidelines:

U - The analyte was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit. The sample quantitation limit accounts for sample specific dilution factors and percent solids corrections or sample sizes that deviate from those required by the method.

J - The associated numerical value is an estimated quantity.

UJ - The analyte was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

R - The data are unusable (analyte may or may not be present). Resampling and reanalysis is necessary for verification. The R replaces the numerical value or sample quantitation limit. In some instances (e.g., a dilution) a result may be indicated as "rejected" to avoid confusion when a more quantitatively accurate result is available.

EB, TB, BB - An analyte that was identified in an aqueous equipment (field) blank, trip blank, or bottle blank that was used to assess field contamination associated with soil/sediment samples. These qualifiers are to be applied to soil/sediment sample results only.

These codes are assigned during the validation process and are based on the data review of the results. They are recorded on the Data Summary Forms contained in Attachment A and the Organic Analysis Data Sheets (Form I) in Attachment B of this validation report.

All data users should note two facts. First, **the "R" qualifier means that the laboratory-reported value is completely unusable.** The analysis is invalid due to significant quality control problems, and provides no information as to whether the compound is present or not. Rejected values should not appear on data tables because they have no useful purpose under any circumstances. Second, **no analyte concentration is guaranteed to be accurate even if all associated quality control is acceptable.** While strict quality control conformance provides well-defined confidence in the reported results, any analytical result will always contain some error.

The user is also cautioned that the validation effort is based on the materials provided by the laboratory. Software manipulation, resulting in misleading raw data printouts, cannot be routinely detected during validation; unless otherwise stated in the report, these kinds of issues are outside the scope of this review.

Detailed Findings of Measurement Error Associated with the Analytical Analysis

I. Preservation and Technical Holding Times (Sample Integrity)

The samples for volatiles analysis in SDG Nos. BRES30, UNIF24, and WHEA11 were collected on October 20, 21, 24, 25, 27, and 28, 2005. All volatiles analyses were performed within the acceptable holding times for preserved water samples (14 days from collection), as required by Region 1. Although not provided in the case narrative (as required by the CLP SOW), the pH of the samples was recorded on the instrument run logs in the Sample Preparation sections of the data packages, with the exception of the method 524.2 samples in SDG No. UNIF24 and approximately half of all the method 8260B samples submitted, for which no pH was recorded. All recorded sample pH values reported were <2. The FLCM requires that the pH of the samples must be measured upon receipt at the laboratory, and none of the samples were analyzed until more than 7 days after receipt. Since the field notes submitted by the field engineer indicated that all samples were collected in vials acidified with hydrochloric acid, no qualifications were necessary on the basis of the missing pH information for the samples in these data packages. The laboratory has been informed of these omissions.

The cooler temperatures on receipt at the laboratory were checked and documented in the data packages to be at 4.9 °C, 3.3 °C, 5.0 °C, 5.1 °C, 2.6 °C, and 2.9 °C, which are within the acceptable range of 4 °C ± 2 °C, with the exception of the cooler received on 10/24/06, which was received at 8.2 °C. This cooler contained samples collected on 10/24/05, which were at temperatures of 10.7 – 14.5 °C at the time of collection (10:30 – 15:25). Since this cooler was delivered to the laboratory at 17:20 on the same day, active cooling of the samples had clearly begun, and ice was present in the cooler at the time of delivery. Therefore, no qualifications were necessary on the basis of sample receipt temperatures above the acceptable range.

II. GC/MS Instrument Performance Check (Tuning)

The samples for volatiles analysis from SDG Nos. BRES30, UNIF24, and WHEA11 were analyzed on two GC/MS systems identified as instruments L and N. The tuning of these instruments was demonstrated with analysis of 4-bromofluorobenzene (BFB); tunes were analyzed for each shift (12-hour period) during which the samples or associated standards were analyzed. All seventeen (17) BFB tunes were correctly calculated, within acceptance limits, and are reported accurately on the Form V summaries in the data packages.

III. Initial Calibration (IC)

Two ICs (10/25/05 and 11/7-8/05) were performed on instrument L and one IC (10/22/05) was performed on instrument N in support of the method 8260B sample analyses reported in these data packages. One IC (11/3/05) was performed on instrument L and one IC (10/3/05) was performed on instrument N in support of the method 524.2 sample analyses reported in these data packages. Documentation of all individual IC standards was present in the data packages and relative response factor (RRF) as well as percent relative standard deviation (%RSD) values were correctly calculated and accurately reported on the Form VI summaries. One target compound was manually integrated in each of the method 8260B ICs on instrument L

on 11/7-8/05 and instrument N on 10/22/05, one target compound was manually integrated in the method 524.2 IC on instrument L, and several target compounds were manually integrated in the method 524.2 IC on instrument N submitted with this data set. All of the manual integrations were correctly performed and accurately reported with the final area listed on the tabular report, although not all of the manual integrations were signed by the analyst.

All %RSDs for the ICs were below the maximum limit (30%) specified by Region I.

All RRF's were above the 0.05 minimum technical criterion, with the exception of 2-butanone, which had an average RRF below the acceptance level (range 0.022 – 0.029) in all five ICs.

Pursuant to the Region I validation document, results for 2-butanone in all samples in this data set warranted rejection (R) based on the low RRF achieved. However, 2-butanone was spiked at a concentration of 5 µg/L or 50 µg/L in the laboratory control samples and in the matrix spike and matrix spike duplicate samples prepared and analyzed with this data set, and acceptable recoveries for 2-butanone were achieved or were above the upper laboratory control limit in all analyses. Therefore, based on the acceptable or high recoveries for 2-butanone in the laboratory control samples and the matrix spike analyses, the result for 2-butanone was not qualified in any samples based on the low RRF in the associated IC.

IV. Continuing Calibration (CC)

Six continuing calibration (CC) standards were run on instrument L and two CC standards were run on instrument N in support of the Method 8260B sample analyses reported in these data packages. The method 524.2 samples analyzed on instrument L were run in the same analytical window as the IC, so no CC standards were required or reported. Four CC standards were run on instrument N in support of the method 524.2 sample, performance evaluation (PE) and PE check analyses reported in these data packages.

Documentation of the CC standards was present in the data packages and RRF as well as percent difference (%D) values were correctly calculated and accurately reported on the Form VII summaries within the data packages

All RRFs were above the 0.05 minimum criterion, with the following exceptions: For the eight CCs analyzed for method 8260B, 2-butanone had an RRF of 0.021 – 0.026, and for the four CCs analyzed for method 524.2, 2-butanone had an RRF of 0.018 – 0.023. In two of the CCs analyzed for method 524.2 on instrument N (11/8/05 and 11/15/05), acetone had an RRF of 0.046 and 0.049.

For the reasons discussed in Section III, no results for 2-butanone in any samples were rejected on the basis of the RRF below the Region 1 acceptance limit in the associated CC standards. Pursuant to the Region I validation document, results for acetone in WP-5, WP-7, WP-8, and WP-13 warranted rejection (R) based on the low RRF achieved. However, acetone was spiked at a concentration of 5 µg/L in the laboratory control sample and in the matrix spike and matrix spike duplicate samples prepared and analyzed on instrument N on 11/8/05, and acceptable recoveries for acetone were achieved in these analyses. Therefore, based on the acceptable recoveries for acetone in the laboratory control sample and the matrix spike analyses, the result for acetone was not qualified in any samples based on the low RRF in the associated CC standard. No field samples were analyzed on instrument N on 11/15/05, so no results for acetone in any samples were rejected

based on the unacceptably low RRF achieved in the associated CC standard.

The maximum limit for %D in the CC standard allowed by Region 1 is ±25%. All %D results were below this limit for the CC standards, with the following exceptions:

Instrument (method)	CC Date	Time	Compound	%D
L (8260B)	11/2/05	1120	Acetone	+32.2
			2-Butanone	+27.6
	11/3/05	1004	Acetone	+34.5
			2-Butanone	+27.6
N (524.2)	11/15/05	2145	2-Hexanone	+29.3

On the basis of unacceptable % D values in the associated CC standards, results for acetone and 2-butanone in MW-102D, TB-3, MW-4D, MW-4S, MW-Y, MW-3D, MW-3S, FB-3, TB-4, MW-PL2, MW-PLX, MW-PL1, MW-S3, MW-S1, MW-S2, FB-4, BRW-X, MW-25884, and FB-5 were qualified as estimated (J, UJ).

No results for acetone or 2-butanone were taken from any of the dilution analyses analyzed on instrument L on 11/2/05 or 11/3/05, so no qualifications were necessary on the basis of the high %D in the associated CC. Only the performance evaluation check sample was analyzed on instrument N on 11/15/05, so no qualifications were necessary on the basis of the high %D in the associated CC.

It should be noted that negative % difference values will result in a low bias for positive detects, and a positive % difference will result in a high bias for positive detects.

V. Blanks

Results for eight method 8260B and five method 524.2 water-matrix laboratory method blanks (MBs) were reported in association with this set of samples. No target analytes were detected in any MB.

Seven trip blanks (TBs) were reported in these SDGs. No target analytes were detected in any TB.

Eoght field blanks (FBs) were reported in these SDGs. No target analytes were detected in any FB, with the exception of FB-6, which had 0.27 ug/L chloromethane.

Five holding (storage) blanks (HBs) were reported in these SDGs. No target analytes were detected in any HB, with the exception of HB78260, which had 0.28 ug/L chloromethane and 2.0 ug/L acetone.

On the basis of laboratory contamination, results for chloromethane in MW-S2 and W-Z and for acetone in PZ-101, W-25, W-Z, SEEP-1A, and SS-3 were qualified as less than the quantitation limit (U).

VI. Surrogate Compounds

Percent recoveries (%R) for surrogate compounds were correctly calculated, accurately reported on the Form II summaries within the data packages, and were within acceptance limits for all sample analyses, with the following exceptions:

Surrogates toluene-d_8 (TOL), bromofluorobenzene (BFB), and 1,2-dichlorobenzene-d_4 (DCB) in sample MW-25884 were recovered below (82, 93, and 89 %R, respectively) the lower acceptance limits (85, 95, and 95 %R, respectively). This sample was appropriately reanalyzed, and the surrogate recoveries for TOL and BFB were acceptable in the reanalysis; surrogate DCB was again recovered below (91 %R) the lower acceptance limit (95 %R). On the basis of improved surrogate recovery only the results from the reanalysis are used in this validation. In sample SP-4, surrogate 1,2-dichloroethane-d_4 (DCE) was recovered above (136 %R) the upper acceptance limit (135 %R). In sample W-1, surrogate DCB was recovered marginally below (94.98 %R) the lower acceptance limit (95 %R). In samples TB-3 and MW-YDL, surrogate DCB was recovered below (94 %R) the lower limit. No reanalysis was performed for SP-4, W-1, or TB-3, and all surrogates were recovered within acceptance limits in the original analysis of sample MW-Y.

On the basis of unacceptably low surrogate recovery, results for 1,1,2,2-tetrachloroethane in MW-25884 and TB-3 were qualified as estimated (UJ). No results were used from this region of the dilution analysis MW-YDL, so no qualifications were necessary on the basis of the low DCB surrogate recovery in that analysis. On the basis of surrogate recovery above the upper acceptance limit, results for methylene chloride, cis-1,2-dichloroethene, total 1,2-dichloroethene, and chloroform in SP-4 were qualified as estimated (J). Since the recovery rounded to within the acceptance limit, no results were qualified on the basis of the marginally low surrogate recovery in sample W-1.

VII. Internal Standards (IS)

All IS areas and retention times (RT) were within the established QC limits for all reported sample analyses in these data packages.

VIII. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Samples MW-4S, SS-5, W-1, and the dilution analysis of MW-S2 were used for the MS/MSD analyses for the Method 8260B analyses in this data set. The spiking solutions contained all target compounds at 1 µg/L (except for the ketones at 5 µg/L), except for MW-S2DL, in which the spiking concentration was 2.7 ug/L in the dilution analysis. Percent recoveries (%R) and relative percent differences (%RPD) between paired recoveries were correctly calculated and accurately reported on the Form III summaries for the spiked analytes.

All recoveries were acceptable (60 – 140 %R) and reproducible (RPD 0-40%), with the following exceptions:

Recoveries for the compound styrene in the MS and MSD analyses of sample MW-4S were reported below (62 and 71 %R, respectively), the lower laboratory-derived control limit (80 %R) but above the Region 1 lower acceptance limit. Recoveries of trans-1,2-dichloroethene, total 1,2-dichloroethene, benzene, bromodichloromethane, toluene, 1,1,2-trichloroethane, 2-hexanone, chlorobenzene, ethylbenzene, o-xylene, and 1,1,2,2-tetrachloroethane above (120 – 140 %R) the upper laboratory control limits (110 – 130 %R) but within the Region 1 acceptance criteria (60 – 140 %R); of vinyl chloride, chloroethane, methylene chloride, 1,1-dichloroethane, cis-1,2-dichloroethene, 2-butanone, chloroform, 1,2-dichloroethane, 1,2-dichloropropane, and 4-methyl-2-pentanone above (170 – 182 %R) the laboratory (120 - 160 %R) and Region 1 limits, and of carbon disulfide below (53 %R) the lower laboratory control limit (70 %R) and the Region 1 lower acceptance limit were reported in either or both the MS and MSD analyses for sample SS-5.

Recoveries of benzene, 1,2-dichloroethane, 4-methyl-2-pentanone, toluene, 1,1,2-trichloroethane, chlorobenzene, ethylbenzene, m,p-xylene, total xylenes, o-xylene, and 1,1,2,2-tetrachloroethane above (120 – 140 %R) the upper laboratory control limits (110 – 155 %R) were reported in the MS or MSD analyses of sample W-1. Recovery of tetrachloroethene above (200 and 400 %R, respectively) the upper laboratory control limit (125 %R) and the Region 1 upper acceptance limit were reported in the MS and MSD analyses of sample W-1. However, tetrachloroethene was reported in the unspiked analysis of sample W-1 at 25 µg/L, and the MS and MSD analyses were spiked at 1 µg/L. The reproducibility for tetrachloroethene in W-1 was 67 % RPD (limit 40 % RPD).

Recoveries of ethylbenzene, m,p-xylene, total xylenes, o-xylene, styrene, and bromoform below (63 - 86 %R) the lower laboratory control limits (65 - 90 %R), and of toluene and bromoform below (37 - 48 %R) the laboratory and Region 1 lower limits were reported in either MW-S2DLMS or MW-S2DLMSD. However, toluene was reported in the unspiked analysis of sample MW-S2DL at 71 µg/L, and the MS and MSD analyses were spiked at 2.7 µg/L. The reproducibility of o-xylene was 21 %RPD, which is above the laboratory established acceptance limit (20 %RPD), but within the Region 1 limit (40 %RPD).

On the basis of professional judgment, no sample results were qualified on the basis of the recoveries outside laboratory derived control limits but within Region 1 acceptance criteria.

Since vinyl chloride, chloroethane, methylene chloride, 1,1-dichloroethane, cis-1,2-dichloroethene, 2-butanone, chloroform, 1,2-dichloroethane, 1,2-dichloropropane, and 4-methyl-2-pentanone were not detected in the unspiked sample analysis, no results warranted qualification in SS-5 on the basis of recoveries in the MS or MSD analyses above the laboratory established acceptance limits and the Region 1 acceptance criteria. On the basis of recovery below the laboratory lower limit and the Region 1 acceptance limit in the MS analysis, the result for carbon disulfide in SS-5 was qualified as estimated (J).

On the basis of professional judgment, and the concentration in the unspiked sample more than 4 times the spiking concentration, no results for tetrachloroethene were qualified on the basis of the high recoveries and poor reproducibility in the MS and MSD analyses of sample W-1.

On the basis of recovery below the laboratory lower limit and the Region 1 acceptance limit in the MS analysis, the result for bromoform in MW-S2 was qualified as estimated (UJ). On the basis of professional judgment, and the concentration in the unspiked, diluted sample more than 4 times the spiking concentration,

no results for toluene were qualified on the basis of the low recovery in the MS and MSD analyses of sample MW-S2DL.

Samples BRESSETT SPRING and WP-8 were used for the MS/MSD analyses for the Method 524.2 analyses in this data set. The spiking solutions contained all target compounds at 1 µg/L (except for the ketones at 5 µg/L). Percent recoveries (%R) and relative percent differences (%RPD) between paired recoveries were correctly calculated and accurately reported on the Form III summaries for the spiked analytes. All recoveries (72 – 120 %R) were acceptable (60 – 140 %R) and reproducible (0 – 15 %RPD; limit, 40 %RPD).

All analytes were spiked into the MS/MSD analyses for both Methods 8260B and 524.2; therefore non-spiked target compounds could not be evaluated against the parent samples to evaluate laboratory precision.

IX. Field Duplicates

SDG Nos. BRES30, UNIF24, and WHEA11 contained eight field duplicate pairs, which were identified as presented in the table below.

Field Sample	Field Duplicate
MW-PL1	MW-PLX
MW-3D	MW-Y
MW-101D	MW-Z
MW-25884	BRW-X
MW-E	W-Z
W-SEEP	SS-Z
WP-3	WP-Z
SHIELDS	WELL Z

Precision in the field duplicate pairs MW-PL1 and MW-PLX, MW-3D and MW-Y, MW-101D and MW-Z, W-SEEP and SS-Z, and WP-3 and WP-Z was acceptable (less than 30 % RPD) for all target analytes greater than 2 times the quantitation limit, with the following exceptions:

In the field duplicate pair MW-25884 and BRW-X, vinyl chloride, trichloroethene, and tetrachloroethene were reported below the quantitation limit in one sample and not detected or reported at less than twice the quantitation limit in the other sample. Target compounds cis-1,2-dichloroethene and total 1,2-dichloroethene were reported at values greater than twice the quantitation limit in MW-25884, but at values less than the quantitation limit in BRW-X, and had reproducibility of 172.3 and 172.2 %RPD, respectively.

In the field duplicate pair MW-E and W-Z, chloromethane, acetone, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and total 1,2-dichloroethene were reported below the quantitation limit in both samples. Target compounds trichloroethene and tetrachloroethene were reported at values greater than twice the

quantitation limit in both samples of the field duplicate pair and had reproducibility of 42.4 and 46.2 %RPD, respectively.

On the basis of professional judgment, no qualifications were warranted for results reported below the quantitation limit in one sample of the field duplicate pair but not detected in the other sample, or below the quantitation limit in both samples of the field duplicate pair.

On the basis of poor reproducibility in the field duplicate pair, results for cis-1,2-dichloroethene and total 1,2-dichloroethene in MW-25884 and BRW-X were qualified as estimated (J). On the basis of poor reproducibility in the field duplicate pair, results for trichloroethene and tetrachloroethene in MW-E and W-Z were qualified as estimated (J).

No target compounds were detected in samples SHIELDS and WELL-Z, so precision could not be evaluated in that field duplicate pair.

X. Sensitivity Check

The aqueous MDL for Method 8260B submitted for this project was performed on 07/13/04, and the MDL for Method 524.2 was performed on 10/01/04; these are just over one year prior to the sample analyses in this data set for both methods. All analytes in both studies had calculated MDL's below the method quantitation limits, however they were not all less than one fifth the PQL, as required in the Field/Laboratory Coordination Memorandum (FLCM).

The laboratory control samples analyzed with the samples were spiked at 1 µg/L (except for one LCS spiked at 10 µg/L), and the MS and MSD analyses were spiked at 1 µg/L. Recoveries within Region 1 acceptance criteria (60 – 140 %R) were obtained, except as noted in Sections VIII (above) and XI (below).

XI. Performance Evaluation (PE) Samples/Accuracy Check

Eleven (11) zero blind PE samples (commonly known as laboratory control samples, LCS) were prepared and analyzed by the laboratory at 1 µg/L in support of the Method 8260B sample analyses in this data set. One LCS was prepared and analyzed at 10 µg/L; this analytical window contained no field samples. Percent recoveries were correctly calculated and accurately reported on Form III summaries in the data packages, and were acceptable (60 – 140 %R), with the following exceptions:

Tetrachloroethene was recovered above (150 %R) the upper laboratory derived control limit (125 %R) and the Region upper acceptance limit (140 %R) in the LCS identified as LISH LCS. Tetrachloroethene was recovered above (130 %R) the upper laboratory derived control limit (125 %R) but within the Region 1 upper acceptance limit in the LCS identified as LISI LCS. Benzene, 1,2-dichloroethane, and 1,2-dichloropropane were detected above (120 – 130 %R) the upper laboratory control limits (115 – 125 %R) but within the Region 1 upper acceptance limit in the LCS identified as LIUC LCS.

Benzene, toluene, tetrachloroethene, chlorobenzene, total xylenes, and o-xylene were recovered above

(115 – 140 %R) the upper laboratory control limits (110 – 130 %R) but within the Region 1 upper acceptance limit, and chloromethane and acetone were recovered above (200 and 166 %R, respectively) the upper laboratory control limits and the Region 1 upper acceptance limit in the LCS identified as NBKN LCS.

The analytes trans-1,2-dichloroethene, benzene, 1,2-dichloroethane, 1,2-dichloropropane, toluene, 2-hexanone, chlorobenzene, ethylbenzene, and o-xylene were recovered above (115 – 140 %R) the upper laboratory control limits (110 – 130 %R) but within the Region 1 upper acceptance limit, and acetone, 2-butanone, and 4-methyl-2-pentanone were recovered above (150 - 260 %R) the upper laboratory control limits and the Region 1 upper acceptance limit in the LCS identified as NBKO LCS.

On the basis of professional judgment, no sample results were qualified on the basis of the recoveries outside laboratory derived control limits but within Region 1 acceptance criteria. On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, results for tetrachloroethene in MW-102S, MW-101S, MW-101DDL and MW-ZDL were qualified as estimated (J). On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, results for tetrachloroethene in MW-101D and MW-Z warranted qualification as estimated; however, these results were subsequently rejected (R), and the R qualifier takes precedence.

On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, results for acetone in PZ-101, W-25, Seep-1A, and SS-3 also warranted qualification as estimated (J); however, these results were previously qualified as less than the quantitation limit (U).

Five (5) LCS samples were prepared and analyzed by the laboratory at 1 µg/L in support of the method 524.2 sample analyses in this data set. Percent recoveries were correctly calculated and accurately reported on Form III summaries in the data packages, and were acceptable (60 – 140 %R), with the following exceptions:

Recovery above (134 %R) the upper laboratory control limit (130 %R) was reported for acetone, and recovery above (170 %R) the upper laboratory control limit and the Region 1 limit (140 %R) was reported for 2-butanone in NBGO LCS. Recovery below (66 %R) the lower laboratory limit (70 %R) but above the Region 1 lower limit (60 %R) was reported for 2-hexanone in NBGP LCSD.

On the basis of professional judgment, no samples were qualified on the basis of the recoveries outside laboratory derived control limits but within Region 1 acceptance criteria. Since 2-butanone was not detected in any samples, no results were qualified on the basis of the unacceptably high recovery in NBGO LCS.

One external double-blind PES sample and one external single-blind PES sample for Method 524.2 were submitted with the samples in this sampling round. The results of the PES analyses are summarized in Appendix C. All spiked compounds were within the vendor's published QC Performance Acceptance Limits (three standard deviations), for both analyses. The rationale for and the results of the single-blind PES sample analysis are discussed in the annual Quality Assurance Summary report submitted as Appendix D.

An acceptance range for the combined m- & p-xylene isomers was not established by the vendor; however, the total xylenes result was well within its acceptance range.

XII. Target Compound Identification

Reported target compounds were correctly identified with supporting spectra present for all samples in these data packages. Several target compounds were manually integrated in the sample analyses submitted with this data set. All of the manual integrations were correctly performed and accurately reported with the final area listed on the tabular report.

XIII. Compound Quantitation and Reported Quantitation Limits

Target compound quantitation and practical quantitation limits (PQLs) were accurately reported on the Form I summaries. Tetrachloroethene was detected above the calibration range in the original analyses of samples MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, and W-23; these samples were reanalyzed at an appropriate dilution to bring tetrachloroethene within the upper half of the calibration range, and both sets of analyses were reported in the data package.

Toluene was detected above the calibration range in the original analyses of sample MW-S2; this sample was reanalyzed at an appropriate dilution to bring toluene with the upper half of the calibration range, and both analyses are reported in the data package.

Results for tetrachloroethene initially outside the calibration range in the original analyses of samples MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, and W-23 were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL). Results for cis-1,2-dichloroethene initially outside the calibration range in the original analyses of samples MW-101D and MW-Z were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL and MW-ZDL).

The result for toluene initially outside the calibration range in the original analysis of sample MW-S2 was rejected (R) and replaced with the acceptable concentration from the corresponding diluted sample (MW-S2DL).

Results for all other analytes in samples MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL, and MW-S2DL were rejected (R) because acceptable results for these compounds were taken from the original analyses (MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, W-23, and MW-S2).

"E" qualifiers were appropriately applied by the laboratory to sample Form I results when concentrations of target analytes were greater than the instrument calibration range. "D" qualifiers were properly applied by the laboratory to positive results from diluted sample analyses. The validator removed all laboratory-applied "E" and "D" qualifiers. An "X" has been drawn across the entire Form I for the diluted analyses noted above.

The laboratory appropriately applied "J" qualifiers to the sample Form I's when the concentration of an analyte was less than the sample-specific PQL. The validator did not remove these qualifiers.

The values that the validator has judged to be acceptable are presented on the Data Summary Forms in Attachment A and on the Form 1s in Attachment B.

The Data Summary Forms (DSFs) in Attachment A list all individual sample analytes affected by the applied qualifications. All positive results are listed on these forms, whether or not the value or qualifier was changed as a result of the validation. Where no result is listed, the compound was not detected and the PQL was not qualified. Sample-specific quantitation limits may be found on the laboratory-generated Form I for each sample (Attachment B) or may be calculated for waters from the information on the DSFs as follows: unadjusted PQL (far left column) multiplied by the concentration/dilution factor (DF).

XIV. Tentatively Identified Compounds (TICs)

Evaluation of unidentified, non-target analyte peaks was not requested or performed for these samples.

XV. System Performance

The analytical systems appear to have been operating well at the time of these analyses based on the evaluation of the available raw data.

XVI. Overall Evaluation of Data

Results for volatile organic compounds were determined to be valid as reported for all samples in SDG Nos. BRES30, UNIF24, and WHEA11, with the following exceptions:

- On the basis of unacceptable % D values in the associated CC standards, results for acetone and 2-butanone in MW-102D, TB-3, MW-4D, MW-4S, MW-Y, MW-3D, MW-3S, FB-3, TB-4, MW-PL2, MW-PLX, MW-PL1, MW-S3, MW-S1, MW-S2, FB-4, BRW-X, MW-25884, and FB-5 were qualified as estimated (J, UJ).

- On the basis of laboratory contamination, results for chloromethane in MW-S2 and W-Z and for acetone in PZ-101, W-25, W-Z, SEEP-1A, and SS-3 were qualified as less than the quantitation limit (U).

- On the basis of unacceptably low surrogate recovery, results for 1,1,2,2-tetrachloroethane in MW-25884 and TB-3 were qualified as estimated (UJ).

- On the basis of surrogate recovery above the upper acceptance limit, results for methylene chloride, cis-1,2-dichloroethene, total 1,2-dichloroethene, and chloroform in SP-4 were qualified as estimated (J).

- On the basis of recovery below the laboratory lower limit and the Region 1 acceptance limit in the MS analysis, the result for carbon disulfide in SS-5 was qualified as estimated (J).

- On the basis of recovery below the laboratory lower limit and the Region 1 acceptance limit in the MS analysis, the result for bromoform in MW-S2 was qualified as estimated (UJ).

- On the basis of poor reproducibility in the field duplicate pair, results for cis-1,2-dichloroethene and total 1,2-dichloroethene in MW-25884 and BRW-X were qualified as estimated (J).

- On the basis of poor reproducibility in the field duplicate pair, results for trichloroethene and tetrachloroethene in pair MW-E and W-Z were qualified as estimated (J).

- On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, results for tetrachloroethene in in MW-102S, MW-101S, MW-101DDL and MW-ZDL were qualified as estimated (J).

- On the basis of recovery above the laboratory and Region 1 limits in the associated LCS, results for tetrachloroethene in MW-101D and MW-Z warranted qualification as estimated; however, these results were subsequently rejected (R), and the R qualifier takes precedence. On the basis of recovery above the laboratory and Region 1 limits, results for acetone in PZ-101, W-25, Seep-1A, and SS-3 also warranted qualification as estimated (J); however, these results were previously qualified as less than the quantitation limit (U).

- Results for tetrachloroethene initially outside the calibration range in the original analyses of samples MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, and W-23 were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL).

- Results for cis-1,2-dichloroethene initially outside the calibration range in the original analyses of samples MW-101D and MW-Z were rejected (R) and replaced with the acceptable concentrations from the corresponding diluted samples (MW-101DDL and MW-ZDL).

- The result for toluene initially outside the calibration range in the original analysis of sample MW-S2 was rejected (R) and replaced with the acceptable concentration from the corresponding diluted sample (MW-S2DL).

- Results for all other analytes in samples MW-101DDL, MW-ZDL, MW-3SDL, MW-YDL, MW-3DDL, and W-23DL, and MW-S2DL were rejected (R) because acceptable results for these compounds were taken from the original analyses (MW-101D, MW-Z, MW-3S, MW-Y, MW-3D, W-23, and MW-S2).

Documentation problems observed in the data packages are described in Section XVII.

XVII. Documentation

Chain-of-custody (COC) and internal chain-of-custody (ICOC) records were present and completed accurately. Data presentation was acceptable, with the following observations:

- Improper edits were noted on an instrument run log. All corrections should be made by making a single line through the edit, adding the correct information, and recording the editor's initials and the date.

- The pH of some of the samples was recorded on the instrument run, with the exception of the method 524.2 samples in SDG No. UNIF24 and approximately half of all the method 8260B samples submitted, for which no pH was recorded. The FLCM requires that the pH of the samples must be measured upon receipt at the laboratory, and none of the samples were analyzed until more than 7 days after receipt.

- The Case Narrative submitted with SDG. No. BRES30 contains multiple errors on the first page, including a reference to a different SDG, and an incomplete sample identification cross-reference table.

- Some of the manual integrations submitted with these data packages were not signed by the analyst.

These issues do not directly affect the validity of the analytical data, but could be problematic if the results were to be used in a litigation situation.

This validation report should be considered <u>part of the data packages</u> for all future distributions of the volatiles (8260B and 524.2) analysis data.

ATTACHMENT A

DATA SUMMARY FORMS
SDG Nos. BRES30, UNIF24, and WHEA11
Volatile Organics in Water Samples

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	TB-1		MW-103D		MW-104S		MW-104D		MW-102D		MW-102S		MW-101S		MW-101D	
	Lab ID	643901		643902		643903		643904		643905		643906		643907		643908	
	Dilution Factor*	1.0		1.0		1.0		1.0		1.0		2.9		1.0		1.0	
PQL																	
1.0	Chloromethane																
1.0	Vinyl Chloride																
1.0	Bromomethane																
1.0	Chloroethane																
1.0	1,1-Dichloroethene																
5.0	Acetone										UJ						
1.0	Carbon disulfide																
1.0	Methylene chloride																
1.0	trans-1,2-Dichlorethene															1.1	
1.0	1,2-Dichloroethene (total)											13		6.0		91	
1.0	1,1-Dichloroethane																
1.0	cis-1,2-Dichloroethene											13	J	5.7	J	R	
5.0	2-Butanone										UJ						
1.0	Chloroform																
1.0	1,1,1-Trichlorethane																
1.0	Carbon tetrachloride																
1.0	Benzene																
1.0	1,2-Dichlorethane																
1.0	Trichloroethene											13		3.8		46	
1.0	1,2-Dichloropropane																
1.0	Bromodichloromethane																
1.0	cis-1,3-Dichloropropene																
5.0	4-Methyl-2-Pentanone																
1.0	Toluene																
1.0	trans-1,3-Dichloropropene																
1.0	1,1,2-Trichloroethane																

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley

SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	TB-1		MW-103D		MW-104S		MW-104D		MW-102D		MW-102S		MW-101S		MW-101D	
	Lab ID	643901		643902		643903		643904		643905		643906		643907		643908	
	Dilution Factor*	1.0		1.0		1.0		1.0		1.0		2.9		1.0		1.0	
PQL																	
1.0	Tetrachloroethene											77	J	17	J	R	
5.0	2-Hexanone																
1.0	Dibromochloromethane																
1.0	Chlorobenzene																
1.0	Ethylbenzene																
1.0	m,p-Xylenes																
1.0	Xylene (total)																
1.0	o-Xylene																
1.0	Styrene																
1.0	Bromoform																
1.0	1,1,2,2-Tetrachloroethane																

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	MW-101DDL		FB-1		MW-Z		MW-ZDL		TB-3		MW-4S		MW-4D		MW-3S	
	Lab ID	643908D1		643909		643910		643910D1		644540		644541		644542		644543	
	Dilution Factor*	8.3		1.0		1.0		8.1		1.0		1.0		1.0		1.0	
PQL																	
1.0	Chloromethane	R						R									
1.0	Vinyl Chloride	R						R									
1.0	Bromomethane	R						R									
1.0	Chloroethane	R						R									
1.0	1,1-Dichloroethene	R						R									
5.0	Acetone	R						R			UJ		UJ		UJ		UJ
1.0	Carbon disulfide	R						R									
1.0	Methylene chloride	R						R									
1.0	trans-1,2-Dichlorethene	R				1.0		R								0.97	J
1.0	1,2-Dichloroethene (total)	R				87		R						0.77	J	39	
1.0	1,1-Dichloroethane	R						R									
1.0	cis-1,2-Dichloroethene	75				R		84						0.74	J	36	
5.0	2-Butanone	R						R			UJ		UJ		UJ		UJ
1.0	Chloroform	R						R									
1.0	1,1,1-Trichlorethane	R						R									
1.0	Carbon tetrachloride	R						R									
1.0	Benzene	R						R									
1.0	1,2-Dichlorethane	R						R									
1.0	Trichloroethene	R				44		R						2.8		37	
1.0	1,2-Dichloropropane	R						R									
1.0	Bromodichloromethane	R						R									
1.0	cis-1,3-Dichloropropene	R						R									
5.0	4-Methyl-2-Pentanone	R						R									
1.0	Toluene	R						R									
1.0	trans-1,3-Dichloropropene	R						R									
1.0	1,1,2-Trichloroethane	R						R									

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst,
and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	MW-101DDL		FB-1		MW-Z		MW-ZDL		TB-3		MW-4S		MW-4D		MW-3S	
	Lab ID	643908D1		643909		643910		643910D1		644540		644541		644542		644543	
	Dilution Factor*	8.3		1.0		1.0		8.1		1.0		1.0		1.0		1.0	
PQL																	
1.0	Tetrachloroethene	180	J			R		220	J			2.2		21		R	
5.0	2-Hexanone	R						R									
1.0	Dibromochloromethane	R						R									
1.0	Chlorobenzene	R						R									
1.0	Ethylbenzene	R						R									
1.0	m,p-Xylenes	R						R									
1.0	Xylene (total)	R						R									
1.0	o-Xylene	R						R									
1.0	Styrene	R						R									
1.0	Bromoform	R						R									
1.0	1,1,2,2-Tetrachloroethane	R						R			UJ						

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	MW-3SDL		MW-Y		MW-YDL		MW-3D		MW-3DDL		FB-3		TB-4		MW-PL2	
	Lab ID	644543D1		644544		644544D1		644545		644545D1		644546		644551		644552	
	Dilution Factor*	5.0		1.0		5.0		1.0		5.0		1.0		1.0		1.0	
PQL																	
1.0	Chloromethane	R				R				R							
1.0	Vinyl Chloride	R				R				R							
1.0	Bromomethane	R				R				R							
1.0	Chloroethane	R				R				R							
1.0	1,1-Dichloroethene	R				R				R							
5.0	Acetone	R			UJ	R			UJ	R			UJ		UJ		UJ
1.0	Carbon disulfide	R				R				R							
1.0	Methylene chloride	R				R				R							
1.0	trans-1,2-Dichlorethene	R		0.42	J	R		0.42	J	R							
1.0	1,2-Dichloroethene (total)	R		15		R		14		R							
1.0	1,1-Dichloroethane	R				R				R							
1.0	cis-1,2-Dichloroethene	R		14		R		13		R							
5.0	2-Butanone	R			UJ	R			UJ	R			UJ		UJ		UJ
1.0	Chloroform	R				R				R							
1.0	1,1,1-Trichlorethane	R				R				R							
1.0	Carbon tetrachloride	R				R				R							
1.0	Benzene	R				R				R							
1.0	1,2-Dichlorethane	R				R				R							
1.0	Trichloroethene	R		16		R		15		R							
1.0	1,2-Dichloropropane	R				R				R							
1.0	Bromodichloromethane	R				R				R							
1.0	cis-1,3-Dichloropropene	R				R				R							
5.0	4-Methyl-2-Pentanone	R				R				R							
1.0	Toluene	R				R				R							
1.0	trans-1,3-Dichloropropene	R				R				R							
1.0	1,1,2-Trichloroethane	R				R				R							

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley

SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	MW-3SDL	MW-Y	MW-YDL	MW-3D	MW-3DDL	FB-3	TB-4	MW-PL2
	Lab ID	644543D1	644544	644544D1	644545	644545D1	644546	644551	644552
	Dilution Factor*	5.0	1.0	5.0	1.0	5.0	1.0	1.0	1.0
PQL									
1.0	Tetrachloroethene	150	R	120	R	110			
5.0	2-Hexanone	R		R		R			
1.0	Dibromochloromethane	R		R		R			
1.0	Chlorobenzene	R		R		R			
1.0	Ethylbenzene	R		R		R			
1.0	m,p-Xylenes	R		R		R			
1.0	Xylene (total)	R		R		R			
1.0	o-Xylene	R		R		R			
1.0	Styrene	R		R		R			
1.0	Bromoform	R		R		R			
1.0	1,1,2,2-Tetrachloroethane	R		R		R			

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley

SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	MW-PLX		MW-PL1		MW-S3		MW-S2		MW-S2DL		MW-S1		FB-4		TB-5	
	Lab ID	644553		644554		644555		644556		644556D1		644557		644558		644622	
	Dilution Factor*	1.0		1.0		1.9		1.0		2.7		5.6		1.0		1.0	
PQL																	
1.0	Chloromethane							1.0	U	R							
1.0	Vinyl Chloride									R							
1.0	Bromomethane									R							
1.0	Chloroethane									R							
1.0	1,1-Dichloroethene									R							
5.0	Acetone		UJ		UJ		UJ	2.3	J	R			UJ		UJ		
1.0	Carbon disulfide									R							
1.0	Methylene chloride									R							
1.0	trans-1,2-Dichlorethene									R							
1.0	1,2-Dichloroethene (total)									R							
1.0	1,1-Dichloroethane									R							
1.0	cis-1,2-Dichloroethene									R							
5.0	2-Butanone		UJ		UJ		UJ		UJ	R			UJ		UJ		
1.0	Chloroform									R							
1.0	1,1,1-Trichlorethane									R							
1.0	Carbon tetrachloride									R							
1.0	Benzene									R							
1.0	1,2-Dichlorethane									R							
1.0	Trichloroethene									R							
1.0	1,2-Dichloropropane									R							
1.0	Bromodichloromethane									R							
1.0	cis-1,3-Dichloropropene									R							
5.0	4-Methyl-2-Pentanone									R							
1.0	Toluene							R		71							
1.0	trans-1,3-Dichloropropene									R							
1.0	1,1,2-Trichloroethane									R							

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst,
and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	MW-PLX	MW-PL1	MW-S3	MW-S2	MW-S2DL	MW-S1	FB-4	TB-5
	Lab ID	644553	644554	644555	644556	644556D1	644557	644558	644622
	Dilution Factor*	1.0	1.0	1.9	1.0	2.7	5.6	1.0	1.0
PQL									
1.0	Tetrachloroethene	1.1	1.1			R			
5.0	2-Hexanone					R			
1.0	Dibromochloromethane					R			
1.0	Chlorobenzene					R			
1.0	Ethylbenzene					R			
1.0	m,p-Xylenes					R			
1.0	Xylene (total)					R			
1.0	o-Xylene					R			
1.0	Styrene					R			
1.0	Bromoform				UJ	R			
1.0	1,1,2,2-Tetrachloroethane					R			

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	BRW-1		BRW-2		BRW-3		BRW-X		MW-25884		FB-5		TB-6		PZ-101	
	Lab ID	644623		644624		644625		644626		644627R1		644628		645141		645142	
	Dilution Factor*	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
PQL																	
1.0	Chloromethane			2.4													
1.0	Vinyl Chloride									0.62	J						
1.0	Bromomethane																
1.0	Chloroethane																
1.0	1,1-Dichloroethene																
5.0	Acetone								UJ		UJ		UJ			5.0	U
1.0	Carbon disulfide			0.22	J												
1.0	Methylene chloride																
1.0	trans-1,2-Dichlorethene																
1.0	1,2-Dichloroethene (total)							0.55	J	7.4	J						
1.0	1,1-Dichloroethane																
1.0	cis-1,2-Dichloroethene							0.53	J	7.1	J						
5.0	2-Butanone								UJ		UJ		UJ				
1.0	Chloroform																
1.0	1,1,1-Trichlorethane																
1.0	Carbon tetrachloride																
1.0	Benzene																
1.0	1,2-Dichlorethane																
1.0	Trichloroethene							0.91	J	2.0							
1.0	1,2-Dichloropropane																
1.0	Bromodichloromethane																
1.0	cis-1,3-Dichloropropene																
5.0	4-Methyl-2-Pentanone																
1.0	Toluene																
1.0	trans-1,3-Dichloropropene																
1.0	1,1,2-Trichloroethane																

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	BRW-1		BRW-2		BRW-3		BRW-X		MW-25884		FB-5		TB-6		PZ-101	
	Lab ID	644623		644624		644625		644626		644627R1		644628		645141		645142	
	Dilution Factor*	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
PQL																	
1.0	Tetrachloroethene							0.70	J							1.6	
5.0	2-Hexanone																
1.0	Dibromochloromethane																
1.0	Chlorobenzene																
1.0	Ethylbenzene																
1.0	m,p-Xylenes																
1.0	Xylene (total)																
1.0	o-Xylene																
1.0	Styrene																
1.0	Bromoform																
1.0	1,1,2,2-Tetrachloroethane										UJ						

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley

SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	PZ-102		W-25		MW-50		W-19		W-20		MW-E		MW-C		MW-D	
	Lab ID	645143		645144		645145		645146		645147		645148		645149		645150	
	Dilution Factor*	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
PQL																	
1.0	Chloromethane																
1.0	Vinyl Chloride																
1.0	Bromomethane																
1.0	Chloroethane																
1.0	1,1-Dichloroethene																
5.0	Acetone			5.0	U												
1.0	Carbon disulfide																
1.0	Methylene chloride																
1.0	trans-1,2-Dichlorethene											0.46	J				
1.0	1,2-Dichloroethene (total)					0.43	J					0.97	J			0.40	J
1.0	1,1-Dichloroethane																
1.0	cis-1,2-Dichloroethene					0.41	J					0.51	J			0.38	J
5.0	2-Butanone																
1.0	Chloroform																
1.0	1,1,1-Trichlorethane																
1.0	Carbon tetrachloride																
1.0	Benzene																
1.0	1,2-Dichlorethane																
1.0	Trichloroethene					2.2				0.89	J	1.3	J	0.47	J	7.9	
1.0	1,2-Dichloropropane																
1.0	Bromodichloromethane																
1.0	cis-1,3-Dichloropropene																
5.0	4-Methyl-2-Pentanone																
1.0	Toluene																
1.0	trans-1,3-Dichloropropene																
1.0	1,1,2-Trichloroethane																

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst,
and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001,
2005-1223-001, & 2005-1227-001

	Client ID	PZ-102		W-25		MW-50		W-19		W-20		MW-E		MW-C		MW-D	
	Lab ID	645143		645144		645145		645146		645147		645148		645149		645150	
	Dilution Factor*	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
PQL																	
1.0	Tetrachloroethene	4.5		3.5		1.8		0.40	J	3.8		5.0	J	13		27	
5.0	2-Hexanone																
1.0	Dibromochloromethane																
1.0	Chlorobenzene																
1.0	Ethylbenzene																
1.0	m,p-Xylenes																
1.0	Xylene (total)																
1.0	o-Xylene																
1.0	Styrene																
1.0	Bromoform																
1.0	1,1,2,2-Tetrachloroethane																

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst,
and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001;
2005-1223-001, & 2005-1227-001

	Client ID	W-1		W-23		W-23DL		FB-6		W-Z		SEEP-1A		SS-3		SS-2	
	Lab ID	645151		645152		645152D1		645153		645154		645155		645156		645157	
	Dilution Factor*	1.0		1.0		4.0		1.0		1.0		1.0		1.0		1.0	
PQL																	
1.0	Chloromethane					R		0.27	J	1.0	U						
1.0	Vinyl Chloride					R											
1.0	Bromomethane					R											
1.0	Chloroethane					R											
1.0	1,1-Dichloroethene					R											
5.0	Acetone					R				5.0	U	5.0	U	5.0	U		
1.0	Carbon disulfide					R								0.50	J		
1.0	Methylene chloride					R											
1.0	trans-1,2-Dichlorethene					R				0.54	J						
1.0	1,2-Dichloroethene (total)			0.46	J	R				1.1							
1.0	1,1-Dichloroethane					R											
1.0	cis-1,2-Dichloroethene			0.44	J	R				0.60	J						
5.0	2-Butanone					R											
1.0	Chloroform					R											
1.0	1,1,1-Trichlorethane					R											
1.0	Carbon tetrachloride					R											
1.0	Benzene					R											
1.0	1,2-Dichlorethane					R											
1.0	Trichloroethene	0.88	J	3.7		R				2.0	J	0.96	J	0.97	J		
1.0	1,2-Dichloropropane					R											
1.0	Bromodichloromethane					R											
1.0	cis-1,3-Dichloropropene					R											
5.0	4-Methyl-2-Pentanone					R											
1.0	Toluene					R											
1.0	trans-1,3-Dichloropropene					R											
1.0	1,1,2-Trichloroethane					R											

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	W-1		W-23		W-23DL		FB-6		W-Z		SEEP-1A		SS-3		SS-2	
	Lab ID	645151		645152		645152D1		645153		645154		645155		645156		645157	
	Dilution Factor*	1.0		1.0		4.0		1.0		1.0		1.0		1.0		1.0	
PQL																	
1.0	Tetrachloroethene	25		R		92				8.0	J	2.0		7.5			
5.0	2-Hexanone					R											
1.0	Dibromochloromethane					R											
1.0	Chlorobenzene					R											
1.0	Ethylbenzene					R											
1.0	m,p-Xylenes					R											
1.0	Xylene (total)					R											
1.0	o-Xylene					R											
1.0	Styrene					R											
1.0	Bromoform					R											
1.0	1,1,2,2-Tetrachloroethane					R											

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	SS-1		SS-5		W-SEEP		SS-Z		SP-4		SP-3		FB-8			
	Lab ID	645158		645159		645160		645161		645162		645163		645164			
	Dilution Factor*	1.0		1.0		1.0		1.0		1.0		1.0		1.0			
PQL																	
1.0	Chloromethane																
1.0	Vinyl Chloride																
1.0	Bromomethane																
1.0	Chloroethane																
1.0	1,1-Dichloroethene																
5.0	Acetone																
1.0	Carbon disulfide			0.67	J												
1.0	Methylene chloride									0.26	J						
1.0	trans-1,2-Dichlorethene																
1.0	1,2-Dichloroethene (total)									1.6	J						
1.0	1,1-Dichloroethane																
1.0	cis-1,2-Dichloroethene									1.5	J						
5.0	2-Butanone																
1.0	Chloroform									0.29	J						
1.0	1,1,1-Trichlorethane																
1.0	Carbon tetrachloride																
1.0	Benzene																
1.0	1,2-Dichlorethane																
1.0	Trichloroethene	0.27	J	0.51	J					3.1							
1.0	1,2-Dichloropropane																
1.0	Bromodichloromethane																
1.0	cis-1,3-Dichloropropene																
5.0	4-Methyl-2-Pentanone																
1.0	Toluene									0.37	J						
1.0	trans-1,3-Dichloropropene																
1.0	1,1,2-Trichloroethane																

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, UniFirst, and Wheatley
SDG Nos. BRES30, UNIF24, & WHEA11

Sampling Dates: Oct. 20, 21, and 24-28, 2005

Phoenix Chemistry Services Project Nos. 2005-1222-001, 2005-1223-001, & 2005-1227-001

	Client ID	SS-1		SS-5		W-SEEP		SS-Z		SP-4		SP-3		FB-8			
	Lab ID	645158		645159		645160		645161		645162		645163		645164			
	Dilution Factor*	1.0		1.0		1.0		1.0		1.0		1.0		1.0			
PQL																	
1.0	Tetrachloroethene			0.67	J	0.23	J	0.22	J	1.8		2.3					
5.0	2-Hexanone																
1.0	Dibromochloromethane																
1.0	Chlorobenzene																
1.0	Ethylbenzene																
1.0	m,p-Xylenes																
1.0	Xylene (total)																
1.0	o-Xylene									0.12	J						
1.0	Styrene																
1.0	Bromoform																
1.0	1,1,2,2-Tetrachloroethane																

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, Randolph, VT
& UniFirst, Williamstown, VT
SDG Nos. BRES30 & UNIF24

Sampling Dates: October 21 and 28, 2005

Phoenix Chemistry Services Project No. 2005-1223-001
and 2005-1227-001

	Client ID	TB-2	Well Z	Shields Well	Bressett Spring	FB-2	TB-7	WP-5	WP-7
	Lab ID	644535	644536	644537	644538	644539	645165	645166	645168
	Dilution Factor*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PQL									
0.5	Chloromethane								
0.5	Vinyl Chloride								
0.5	Bromomethane								
0.5	Chloroethane								
0.5	1,1-Dichloroethene								
5.0	Acetone								
0.5	Carbon disulfide								
0.5	Methylene chloride								
0.5	trans-1,2-Dichlorethene								
0.5	Methyl tert-butyl ether (MTBE)								
0.5	1,1-Dichloroethane								
0.5	cis-1,2-Dichloroethene								
5.0	2-Butanone								
0.5	Chloroform								
0.5	1,1,1-Trichlorethane								
0.5	Carbon tetrachloride								
0.5	Benzene								
0.5	1,2-Dichlorethane								
0.5	Trichloroethene								
0.5	1,2-Dichloropropane								
0.5	Bromodichloromethane								
0.5	cis-1,3-Dichloropropene								
2.5	4-Methyl-2-Pentanone								
0.5	Toluene								
0.5	trans-1,3-Dichloropropene								
0.5	1,1,2-Trichloroethane								

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, Randolph, VT
& UniFirst, Williamstown, VT
SDG Nos. BRES30 & UNIF24

Sampling Dates: October 21 and 28, 2005

Phoenix Chemistry Services Project No. 2005-1223-001
and 2005-1227-001

	Client ID	TB-2	Well Z	Shields Well	Bressett Spring	FB-2	TB-7	WP-5	WP-7
	Lab ID	644535	644536	644537	644538	644539	645165	645166	645168
	Dilution Factor*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PQL									
0.5	Tetrachloroethene								
2.5	2-Hexanone								
0.5	Dibromochloromethane								
0.5	1,2-Dibromoethane								
0.5	Chlorobenzene								
0.5	Ethylbenzene								
0.5	m,p-Xylenes								
0.5	Xylene (total)								
0.5	o-Xylene								
0.5	Styrene								
0.5	Bromoform								
0.5	1,1,2,2-Tetrachloroethane								

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, Randolph, VT
& UniFirst, Williamstown, VT
SDG Nos. BRES30 & UNIF24

Sampling Dates: October 21 and 28, 2005

Phoenix Chemistry Services Project No. 2005-1223-001
and 2005-1227-001

	Client ID	WP-8		WP-13		WP-20		WP-3		WP-Z		FB-7					
	Lab ID	645169		645170		645171		645172		645173		645174					
	Dilution Factor*	1.0		1.0		1.0		1.0		1.0		1.0					
PQL																	
0.5	Chloromethane																
0.5	Vinyl Chloride																
0.5	Bromomethane																
0.5	Chloroethane																
0.5	1,1-Dichloroethene																
5.0	Acetone																
0.5	Carbon disulfide							0.47	J	0.43	J						
0.5	Methylene chloride																
0.5	trans-1,2-Dichlorethene																
0.5	Methyl tert-butyl ether (MTBE)																
0.5	1,1-Dichloroethane																
0.5	cis-1,2-Dichloroethene																
5.0	2-Butanone																
0.5	Chloroform																
0.5	1,1,1-Trichlorethane																
0.5	Carbon tetrachloride																
0.5	Benzene																
0.5	1,2-Dichlorethane																
0.5	Trichloroethene							0.26	J	0.27	J						
0.5	1,2-Dichloropropane																
0.5	Bromodichloromethane																
0.5	cis-1,3-Dichloropropene																
2.5	4-Methyl-2-Pentanone																
0.5	Toluene																
0.5	trans-1,3-Dichloropropene																
0.5	1,1,2-Trichloroethane																

*includes adjustments for larger or smaller sample volumes

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, Randolph, VT
& UniFirst, Williamstown, VT
SDG Nos. BRES30 & UNIF24

Sampling Dates: October 21 and 28, 2005

Phoenix Chemistry Services Project No. 2005-1223-001
and 2005-1227-001

	Client ID	WP-8	WP-13	WP-20	WP-3	WP-Z	FB-7		
	Lab ID	645169	645170	645171	645172	645173	645174		
	Dilution Factor*	1.0	1.0	1.0	1.0	1.0	1.0		
PQL									
0.5	Tetrachloroethene								
2.5	2-Hexanone								
0.5	Dibromochloromethane								
0.5	1,2-Dibromoethane								
0.5	Chlorobenzene								
0.5	Ethylbenzene								
0.5	m,p-Xylenes								
0.5	Xylene (total)								
0.5	o-Xylene								
0.5	Styrene								
0.5	Bromoform								
0.5	1,1,2,2-Tetrachloroethane								

*includes adjustments for larger or smaller sample volumes

ATTACHMENT B

ORGANIC ANALYSIS DATA SHEETS (Form I)
SDG Nos. BRES30, UNIF24, and WHEA11
Volatile Organics in Water Samples

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643901

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643901

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643901

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643901

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-103D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643902

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643902

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-103D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643902

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643902

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-104S

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643903

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643903

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-104S

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643903

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643903

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-104D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643904

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643904

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-104D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643904

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643904

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-102D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643905

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643905I2

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-102D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643905

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643905I2

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-102S

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643906

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643906D

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 2.9

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2.9	U
75-01-4	Vinyl Chloride	2.9	U
74-83-9	Bromomethane	2.9	U
75-00-3	Chloroethane	2.9	U
75-35-4	1,1-Dichloroethene	2.9	U
67-64-1	Acetone	15	U
75-15-0	Carbon Disulfide	2.9	U
75-09-2	Methylene Chloride	2.9	U
156-60-5	trans-1,2-Dichloroethene	2.9	U
540-59-0	1,2-Dichloroethene (total)	13	
75-34-3	1,1-Dichloroethane	2.9	U
156-59-2	cis-1,2-Dichloroethene	13	
78-93-3	2-Butanone	15	U
67-66-3	Chloroform	2.9	U
71-55-6	1,1,1-Trichloroethane	2.9	U
56-23-5	Carbon Tetrachloride	2.9	U
71-43-2	Benzene	2.9	U
107-06-2	1,2-Dichloroethane	2.9	U
79-01-6	Trichloroethene	13	
78-87-5	1,2-Dichloropropane	2.9	U
75-27-4	Bromodichloromethane	2.9	U
10061-01-5	cis-1,3-Dichloropropene	2.9	U
108-10-1	4-Methyl-2-pentanone	15	U
108-88-3	Toluene	2.9	U
10061-02-6	trans-1,3-Dichloropropene	2.9	U
79-00-5	1,1,2-Trichloroethane	2.9	U
127-18-4	Tetrachloroethene	77	
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	2.9	U
108-90-7	Chlorobenzene	2.9	U
100-41-4	Ethylbenzene	2.9	U
1330-20-7	Xylene (m,p)	2.9	U
1330-20-7	Xylene (total)	2.9	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-102S

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643906

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643906D

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 2.9

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	2.9	U
100-42-5	Styrene	2.9	U
75-25-2	Bromoform	2.9	U
79-34-5	1,1,2,2-Tetrachloroethane	2.9	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-101S

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643907

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643907

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	6.0	
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	5.7	
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	3.8	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	17	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-101S

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643907

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643907

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-101D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643908

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643908

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.1	
540-59-0	1,2-Dichloroethene (total)	91	
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	75 ~~86~~	~~E~~
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	46	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	180 ~~230~~	~~E~~
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-101D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643908

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643908

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-101DDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643908D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643908D

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 8.3

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	8.3	U
75-01-4	Vinyl Chloride	8.3	U
74-83-9	Bromomethane	8.3	U
75-00-3	Chloroethane	8.3	U
75-35-4	1,1-Dichloroethene	8.3	U
67-64-1	Acetone	42	U
75-15-0	Carbon Disulfide	8.3	U
75-09-2	Methylene Chloride	8.3	U
156-60-5	trans-1,2-Dichloroethene	8.3	U
540-59-0	1,2-Dichloroethene (total)	79	D
75-34-3	1,1-Dichloroethane	8.3	U
156-59-2	cis-1,2-Dichloroethene	75	D
78-93-3	2-Butanone	42	U
67-66-3	Chloroform	8.3	U
71-55-6	1,1,1-Trichloroethane	8.3	U
56-23-5	Carbon Tetrachloride	8.3	U
71-43-2	Benzene	8.3	U
107-06-2	1,2-Dichloroethane	8.3	U
79-01-6	Trichloroethene	39	D
78-87-5	1,2-Dichloropropane	8.3	U
75-27-4	Bromodichloromethane	8.3	U
10061-01-5	cis-1,3-Dichloropropene	8.3	U
108-10-1	4-Methyl-2-pentanone	42	U
108-88-3	Toluene	8.3	U
10061-02-6	trans-1,3-Dichloropropene	8.3	U
79-00-5	1,1,2-Trichloroethane	8.3	U
127-18-4	Tetrachloroethene	180	D
591-78-6	2-Hexanone	42	U
124-48-1	Dibromochloromethane	8.3	U
108-90-7	Chlorobenzene	8.3	U
100-41-4	Ethylbenzene	8.3	U
1330-20-7	Xylene (m,p)	8.3	U
1330-20-7	Xylene (total)	8.3	U

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FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-101DDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643908D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643908D

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 8.3

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	8.3	U
100-42-5	Styrene	8.3	U
75-25-2	Bromoform	8.3	U
79-34-5	1,1,2,2-Tetrachloroethane	8.3	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643909

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643909

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643909

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643909

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/01/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-Z

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643910

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643910

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	
540-59-0	1,2-Dichloroethene (total)	87	
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	84 ~~83~~	~~E~~
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	44	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	220 ~~220~~	~~E~~ J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-Z

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643910

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643910

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-ZDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643910D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643910D

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 8.1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	8.1	U
75-01-4	Vinyl Chloride	8.1	U
74-83-9	Bromomethane	8.1	U
75-00-3	Chloroethane	8.1	U
75-35-4	1,1-Dichloroethene	8.1	U
67-64-1	Acetone	41	U
75-15-0	Carbon Disulfide	8.1	U
75-09-2	Methylene Chloride	8.1	U
156-60-5	trans-1,2-Dichloroethene	8.1	U
540-59-0	1,2-Dichloroethene (total)	88	D
75-34-3	1,1-Dichloroethane	8.1	U
156-59-2	cis-1,2-Dichloroethene	84	D
78-93-3	2-Butanone	41	U
67-66-3	Chloroform	8.1	U
71-55-6	1,1,1-Trichloroethane	8.1	U
56-23-5	Carbon Tetrachloride	8.1	U
71-43-2	Benzene	8.1	U
107-06-2	1,2-Dichloroethane	8.1	U
79-01-6	Trichloroethene	46	D
78-87-5	1,2-Dichloropropane	8.1	U
75-27-4	Bromodichloromethane	8.1	U
10061-01-5	cis-1,3-Dichloropropene	8.1	U
108-10-1	4-Methyl-2-pentanone	41	U
108-88-3	Toluene	8.1	U
10061-02-6	trans-1,3-Dichloropropene	8.1	U
79-00-5	1,1,2-Trichloroethane	8.1	U
127-18-4	Tetrachloroethene	220	D
591-78-6	2-Hexanone	41	U
124-48-1	Dibromochloromethane	8.1	U
108-90-7	Chlorobenzene	8.1	U
100-41-4	Ethylbenzene	8.1	U
1330-20-7	Xylene (m,p)	8.1	U
1330-20-7	Xylene (total)	8.1	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-ZDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 643910D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 643910D

Level: (low/med) LOW Date Received: 10/20/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 8.1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	8.1	U
100-42-5	Styrene	8.1	U
75-25-2	Bromoform	8.1	U
79-34-5	1,1,2,2-Tetrachloroethane	8.1	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644540

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644540

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644540

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644540

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U J

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-4S

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644541

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644541

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	2.2	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-4S

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644541

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644541

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-4D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644542

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644542

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	0.77	J
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.74	J
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	2.8	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	21	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-4D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644542

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644542

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-3S

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644543

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644543

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.97	J
540-59-0	1,2-Dichloroethene (total)	39	
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	36	
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	37	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	150 ~~150~~	~~E~~
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-3S

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644543

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644543

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-3SDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644543D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644543D

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	41	D
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	40	D
78-93-3	2-Butanone	25	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	40	D
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	150	D
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (m,p)	5.0	U
1330-20-7	Xylene (total)	5.0	U

FORM I VOA

2/16/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-3SDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644543D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644543D

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-Y

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644544

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644544

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U J
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.42	J
540-59-0	1,2-Dichloroethene (total)	15	
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	14	
78-93-3	2-Butanone	5.0	U J
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	16	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	120 ~~130~~	~~E~~
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-Y

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644544

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644544

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-YDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644544D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644544D

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	13	D
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	13	D
78-93-3	2-Butanone	25	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	15	D
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	120	D
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (m,p)	5.0	U
1330-20-7	Xylene (total)	5.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-YDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644544D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644544D

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

DMG 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-3D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644545

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644545

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.42	J
540-59-0	1,2-Dichloroethene (total)	14	
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	13	
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	15	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	110 ~~130~~	~~E~~
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

DMG 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-3D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644545

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644545

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-3DDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644545D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644545D

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	14	D
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	13	D
78-93-3	2-Butanone	25	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	14	D
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	110	D
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (m,p)	5.0	U
1330-20-7	Xylene (total)	5.0	U

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FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-3DDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644545D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644545D

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644546

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644546

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U J
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U J
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644546

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644546

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/02/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-4

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644551

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644551

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-4

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644551

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644551

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-PL2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644552

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644552

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-PL2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644552

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644552

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-PLX

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644553

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644553

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.1	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-PLX

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644553

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644553

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-PL1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644554

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644554

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.1	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-PL1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644554

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644554

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-S3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644555

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644555

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U J
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U J
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

DNG 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-S3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644555

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644555

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-S2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644556

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644556

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0 ~~0.40~~	~~J~~ U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	2.3	J
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	71 ~~76~~	~~E~~
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-S2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644556

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644556

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U~~J~~
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

DMG 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-S2DL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644556D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644556D

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 2.7

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2.7	U
75-01-4	Vinyl Chloride	2.7	U
74-83-9	Bromomethane	2.7	U
75-00-3	Chloroethane	2.7	U
75-35-4	1,1-Dichloroethene	2.7	U
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	2.7	U
75-09-2	Methylene Chloride	2.7	U
156-60-5	trans-1,2-Dichloroethene	2.7	U
540-59-0	1,2-Dichloroethene (total)	2.7	U
75-34-3	1,1-Dichloroethane	2.7	U
156-59-2	cis-1,2-Dichloroethene	2.7	U
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	2.7	U
71-55-6	1,1,1-Trichloroethane	2.7	U
56-23-5	Carbon Tetrachloride	2.7	U
71-43-2	Benzene	2.7	U
107-06-2	1,2-Dichloroethane	2.7	U
79-01-6	Trichloroethene	2.7	U
78-87-5	1,2-Dichloropropane	2.7	U
75-27-4	Bromodichloromethane	2.7	U
10061-01-5	cis-1,3-Dichloropropene	2.7	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	71	D
10061-02-6	trans-1,3-Dichloropropene	2.7	U
79-00-5	1,1,2-Trichloroethane	2.7	U
127-18-4	Tetrachloroethene	2.7	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	2.7	U
108-90-7	Chlorobenzene	2.7	U
100-41-4	Ethylbenzene	2.7	U
1330-20-7	Xylene (m,p)	2.7	U
1330-20-7	Xylene (total)	2.7	U

2/10/06

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-S2DL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644556D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644556D

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 2.7

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	2.7	U
100-42-5	Styrene	2.7	U
75-25-2	Bromoform	2.7	U
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U

2/10/08

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-S1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644557

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644557

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

DMC 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-S1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644557

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644557

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-4

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644558

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644558

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

BNG 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-4

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: WHEA11

Matrix: (soil/water) WATER Lab Sample ID: 644558

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644558

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-5

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644622

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644622

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-5

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644622

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644622

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

BRW-1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644623

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644623

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

BRW-1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644623

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644623

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

BRW-2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644624

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644624

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2.4	
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.22	J
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

BRW-2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644624

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644624

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

BRW-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644625

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644625

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

BRW-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644625

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644625

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

BRW-X

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 644626

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644626

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U J
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	0.55	J
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.53	J
78-93-3	2-Butanone	5.0	U J
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	0.91	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.70	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

BRW-X

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 644626

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644626

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-25884RE

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 644627R1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644627I2

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	0.62	J
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	UJ
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	7.4	J
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	7.1	J
78-93-3	2-Butanone	5.0	UJ
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	2.0	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-25884RE BNG 2/10/06

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 644627R1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644627I2

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U J

BNG 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-5

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 644628

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644628I2

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U J
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U J
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-5

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 644628

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644628I2

Level: (low/med) LOW Date Received: 10/25/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-6

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645141

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645141

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-6

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645141

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645141

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

PZ-101

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645142

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645142

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0 ~~2.2~~	~~J~~ U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.6	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

PZ-101

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645142

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645142

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

PZ-102

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645143

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645143

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	4.5	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

PZ-102

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645143

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645143

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-25

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645144

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645144

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0 ~~2.0~~	~~J~~ U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	3.5	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

DMC 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-25

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645144

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645144

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-50

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645145

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645145

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	0.43	J
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.41	J
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	2.2	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.8	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-50

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645145

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645145

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-19

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645146

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645146

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.40	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-19

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645146

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645146

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-20

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645147

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645147

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	0.89	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	3.8	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-20

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645147

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645147

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-E

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645148

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645148

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.46	J
540-59-0	1,2-Dichloroethene (total)	0.97	J
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.51	J
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.3	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	5.0	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-E

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645148

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645148

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-C

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645149

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645149

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	0.47	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	13	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-C

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645149

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645149

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645150

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645150

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	0.40	J
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.38	J
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	7.9	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	27	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

MW-D

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645150

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645150

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645151

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645151I2

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	0.88	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	25	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645151

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645151I2

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-23

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645152

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645152

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	0.46	J
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.44	J
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	3.7	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	92 ~~120~~	~~E~~
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-23

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645152

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645152

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-23DL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645152D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645152D

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	4.0	U
75-01-4	Vinyl Chloride	4.0	U
74-83-9	Bromomethane	4.0	U
75-00-3	Chloroethane	4.0	U
75-35-4	1,1-Dichloroethene	4.0	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	4.0	U
75-09-2	Methylene Chloride	4.0	U
156-60-5	trans-1,2-Dichloroethene	4.0	U
540-59-0	1,2-Dichloroethene (total)	4.0	U
75-34-3	1,1-Dichloroethane	4.0	U
156-59-2	cis-1,2-Dichloroethene	4.0	U
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	4.0	U
71-55-6	1,1,1-Trichloroethane	4.0	U
56-23-5	Carbon Tetrachloride	4.0	U
71-43-2	Benzene	4.0	U
107-06-2	1,2-Dichloroethane	4.0	U
79-01-6	Trichloroethene	3.2	DJ
78-87-5	1,2-Dichloropropane	4.0	U
75-27-4	Bromodichloromethane	4.0	U
10061-01-5	cis-1,3-Dichloropropene	4.0	U
108-10-1	4-Methyl-2-pentanone	20	U
108-88-3	Toluene	4.0	U
10061-02-6	trans-1,3-Dichloropropene	4.0	U
79-00-5	1,1,2-Trichloroethane	4.0	U
127-18-4	Tetrachloroethene	92	D
591-78-6	2-Hexanone	20	U
124-48-1	Dibromochloromethane	4.0	U
108-90-7	Chlorobenzene	4.0	U
100-41-4	Ethylbenzene	4.0	U
1330-20-7	Xylene (m,p)	4.0	U
1330-20-7	Xylene (total)	4.0	U

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FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-23DL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645152D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645152D

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	4.0	U
100-42-5	Styrene	4.0	U
75-25-2	Bromoform	4.0	U
79-34-5	1,1,2,2-Tetrachloroethane	4.0	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-6

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645153

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645153

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.27	J
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-6

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645153

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645153

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-Z

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645154

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645154

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0 ~~0.25~~	~~J~~ U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0 ~~2.6~~	~~J~~ U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.54	J
540-59-0	1,2-Dichloroethene (total)	1.1	
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.60	J
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	2.0	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	8.0	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-Z

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645154

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645154

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SEEP_1-A

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645155

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645155

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0 ~~2.3~~	~~J~~ U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	0.96	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	2.0	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

BMS 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SEEP_1-A

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645155

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645155

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SS-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645156

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645156

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0 ~~2.7~~	~~J~~ U
75-15-0	Carbon Disulfide	0.50	J
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	0.97	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	7.5	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

BMC 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SS-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645156

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645156

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SS-2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645157

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645157

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SS-2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645157

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645157

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/07/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SS-1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645158

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645158

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	0.27	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SS-1

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645158

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645158

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SS-5

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645159

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645159

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.67	J
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	0.51	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.67	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SS-5

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645159

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645159

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-SEEP

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645160

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645160

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.23	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

W-SEEP

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645160

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645160

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SS-Z

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645161

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645161

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.22	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SS-Z

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645161

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645161

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SP-4

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645162

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645162

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	0.26	J
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.6	J
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.5	J
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.29	J
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	3.1	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.37	J
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.8	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SP-4

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645162

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645162

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	0.12	J
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SP-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645163

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645163

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS; (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	2.3	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SP-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645163

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645163

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-8

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645164

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645164

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-8

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645164

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645164

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644535

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644535

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644535

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644535

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WELL Z

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644536

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644536

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WELL Z

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644536

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644536

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SHIELDS WELL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644537

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644537

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

SHIELDS WELL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644537

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644537

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

BRESSETT SPRING

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644538

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644538

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

BRESSETT SPRING

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644538

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644538

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644539

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644539

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-2

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: BRES30

Matrix: (soil/water) WATER Lab Sample ID: 644539

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 644539

Level: (low/med) LOW Date Received: 10/24/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-7

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645165

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645165

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/11/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

TB-7

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645165

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645165

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/11/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-5

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645166

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645166

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/09/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-5

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645166

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645166

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/09/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-7

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645168

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645168

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/09/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-7

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645168

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645168

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/09/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-8

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645169

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645169

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/09/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

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VTDEC3 SAMPLE NO.

WP-8

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645169

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645169

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/09/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-13

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645170

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645170

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/09/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-13

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645170

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645170

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/09/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-20

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645171

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645171

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-20

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645171

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645171

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645172

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645172

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.47	J
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.26	J
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-3

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645172

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645172

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-Z

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645173

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645173

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.43	J
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.27	J
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-Z

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645173

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645173

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

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VTDEC3 SAMPLE NO.

FB-7

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645174

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645174

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	m- & p-Xylene	0.50	U
95-47-6	o-Xylene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

FB-7

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645174

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645174

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/10/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

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VTDEC3 SAMPLE NO.

WP-23

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645167

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645167

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/09/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	6.5	
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	11	
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	8.5	
156-60-5	trans-1,2-Dichloroethene	28	
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	16	
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	7.6	
56-23-5	Carbon Tetrachloride	15	
71-43-2	Benzene	13	
107-06-2	1,2-Dichloroethane	3.4	
79-01-6	Trichloroethene	6.7	
78-87-5	1,2-Dichloropropane	7.5	
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	12	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	21	
127-18-4	Tetrachloroethene	17	
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	40 ~~40~~	~~E~~
100-41-4	Ethylbenzene	5.8	
1330-20-7	m- & p-Xylene	15	
95-47-6	o-Xylene	4.8	

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-23

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645167

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645167

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/09/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	5.2	
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	20	
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-23DL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645167D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645167D2

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/11/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	6.5	D
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	10	D
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	8.8	D
156-60-5	trans-1,2-Dichloroethene	27	D
1634-04-4	Methyl-t-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	17	D
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	7.4	D
56-23-5	Carbon Tetrachloride	15	D
71-43-2	Benzene	13	D
107-06-2	1,2-Dichloroethane	3.3	D
79-01-6	Trichloroethene	6.6	D
78-87-5	1,2-Dichloropropane	7.3	D
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	12	D
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	20	D
127-18-4	Tetrachloroethene	16	D
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	40	D
100-41-4	Ethylbenzene	5.7	D
1330-20-7	m- & p-Xylene	15	D
95-47-6	o-Xylene	4.9	D

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

WP-23DL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645167D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645167D2

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/11/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	5.3	D
75-25-2	Bromoform	1.0	U
1330-20-7	Xylene (total)	20	D
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

VOCS CON CENTRATE

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645175

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645175

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/15/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	7.3	
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	11	
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
75-09-2	Methylene Chloride	9.2	
156-60-5	trans-1,2-Dichloroethene	28 ~~32~~	~~E~~
1634-04-4	Methyl-t-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	18	
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	8.0	
56-23-5	Carbon Tetrachloride	17	
71-43-2	Benzene	14	
107-06-2	1,2-Dichloroethane	3.7	
79-01-6	Trichloroethene	7.4	
78-87-5	1,2-Dichloropropane	8.1	
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	14	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	22	
127-18-4	Tetrachloroethene	19	
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	38 ~~44~~	~~E~~
100-41-4	Ethylbenzene	6.5	
1330-20-7	m- & p-Xylene	16	
95-47-6	o-Xylene	5.4	

DWG 2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

VOCS CON CENTRATE

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645175

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645175

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/15/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	6.9	
75-25-2	Bromoform	0.50	U
1330-20-7	Xylene (total)	22	
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

VOCS CONC
ENTRATEDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645175D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645175D2

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/16/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	6.5	D
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	10	D
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	8.1	D
156-60-5	trans-1,2-Dichloroethene	28	D
1634-04-4	Methyl-t-Butyl Ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	16	D
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	7.2	D
56-23-5	Carbon Tetrachloride	15	D
71-43-2	Benzene	12	D
107-06-2	1,2-Dichloroethane	3.4	D
79-01-6	Trichloroethene	6.6	D
78-87-5	1,2-Dichloropropane	7.2	D
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
108-88-3	Toluene	12	D
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	20	D
127-18-4	Tetrachloroethene	17	D
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	38	D
100-41-4	Ethylbenzene	5.5	D
1330-20-7	m- & p-Xylene	14	D
95-47-6	o-Xylene	4.8	D

2/10/06

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

VTDEC3 SAMPLE NO.

VOCS CONC
ENTRATEDL

Lab Name: STL BURLINGTON Contract: 24034

Lab Code: STLVT Case No.: 24034 SAS No.: SDG No.: UNIF24

Matrix: (soil/water) WATER Lab Sample ID: 645175D1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 645175D2

Level: (low/med) LOW Date Received: 10/28/05

% Moisture: not dec. _____ Date Analyzed: 11/16/05

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	5.9	D
75-25-2	Bromoform	1.0	U
1330-20-7	Xylene (total)	20	D
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

2/10/06

ATTACHMENT C

PERFORMANCE EVALUATION SAMPLE RESULTS
SDG Nos. BRES30, UNIF24, and WHEA11
Volatile Organics in Water Samples

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, Randolph, VT
& UniFirst, Williamstown, VT
SDG Nos. BRES30 & UNIF24

Sampling Dates: October 21 and 28, 2005

Phoenix Chemistry Services Project No. 2005-1223-001
and 2005-1227-001

	Client ID	WP-23		%	Lot No. S107-703			VOCS Conc.		%	
	Lab ID	645167		Recovery	QC True Values			645175		Recovery	
					Certified	Acceptance					
PQL					Value	Range					
0.5	Chloromethane										
0.5	Vinyl Chloride	6.5		90.3	7.2	4.32 - 10.1		7.3		101.4	
0.5	Bromomethane										
0.5	Chloroethane										
0.5	1,1-Dichloroethene	11		107.8	10.20	8.16 - 12.2		11		107.8	
5.0	Acetone										
0.5	Carbon disulfide										
0.5	Methylene chloride	8.5		102.8	8.27	4.96 - 10.5		9.2		111.2	
0.5	trans-1,2-Dichlorethene	28		97.2	28.8	23.0 - 34.6		28		97.2	
0.5	Methyl tert-butyl ether (MTBE)										
0.5	1,1-Dichloroethane										
0.5	cis-1,2-Dichloroethene	16		95.2	16.8	13.4 - 20.2		18		107.1	
5.0	2-Butanone										
0.5	Chloroform										
0.5	1,1,1-Trichlorethane	7.6		103.4	7.35	4.41 - 10.3		8.0		108.8	
0.5	Carbon tetrachloride	15		93.8	16.0	12.8 - 19.2		17		106.3	
0.5	Benzene	13		101.6	12.8	10.2 - 15.4		14		109.4	
0.5	1,2-Dichlorethane	3.4		111.5	3.05	1.83 - 4.27		3.7		121.3	
0.5	Trichloroethene	6.7		95.2	7.04	4.22 - 9.86		7.4		105.1	
0.5	1,2-Dichloropropane	7.5		100.1	7.49	4.49 - 10.5		8.1		108.1	
0.5	Bromodichloromethane										
0.5	cis-1,3-Dichloropropene										
2.5	4-Methyl-2-Pentanone										
0.5	Toluene	12		97.6	12.3	9.84 - 14.8		14		113.8	
0.5	trans-1,3-Dichloropropene										
0.5	1,1,2-Trichloroethane	21		110.5	19	15.2 - 22.8		22		115.8	

DATA SUMMARY FORM: VOLATILE COMPOUNDS
WATER SAMPLES
(ug/L)

Site Names: Bressett, Randolph, VT
& UniFirst, Williamstown, VT
SDG Nos. BRES30 & UNIF24

Sampling Dates: October 21 and 28, 2005

Phoenix Chemistry Services Project No. 2005-1223-001
and 2005-1227-001

	Client ID	WP-23		%	Lot No. S107-703			VOCS Conc.		%	
	Lab ID	645167		Recovery	QC True Values			645175		Recovery	
					Certified	Acceptance					
PQL					Value	Range					
0.5	Tetrachloroethene	17		88.5	19.2	15.4 - 23.0		19		99.0	
2.5	2-Hexanone										
0.5	Dibromochloromethane										
0.5	Chlorobenzene	40		97.8	40.9	32.7 - 49.1		38		92.9	
0.5	Ethylbenzene	5.8		96.0	6.04	3.62 - 8.46		6.5		107.6	
0.5	m,p-Xylenes	15		94.4	15.89	n/a		16		100.7	
0.5	Xylene (total)	20		95.7	20.9	16.7 - 25.1		22		105.3	
0.5	o-Xylene	4.8		96.2	4.99	n/a		5.4		108.2	
0.5	Styrene	5.2		78.7	6.61	3.97 - 9.25		6.9		104.4	
0.5	Bromoform										
0.5	1,1,2,2-Tetrachloroethane										

ATTACHMENT D

ANNUAL QUALITY ASSURANCE SUMMARY
Volatile Organics in Air, Water, and Soil Samples

INTRODUCTION

Phoenix Chemistry Services (Phoenix) has performed data validation of the volatile organics analysis in soil and water data and the volatiles in air data from the Bressett Site in Randolph, VT, the Wheatley Farm site in Brookfield, VT, and the UniFirst Site in Williamstown, VT for the 2005 sampling year. Chemical analyses were prepared by Severn Trent Laboratories (STL Burlington). As specified by the Field/Laboratory Coordination Memoranda for air and water monitoring, samples were collected quarterly. Investigative soil samples were collected in June, 2005, and investigative groundwater and water supply samples were collected in May and June, 2005, in addition to the quarterly air and water monitoring samples. An additional bedrock well site in Williamstown was added in January, 2005. Samples were reported by the laboratory as follows:

Sample Delivery Group (SDG)	Sampling Round
Method TO-14/TO-15	
SDG No. 105072	January
SDG No. 108647	July
SDG No. 110651	October
Method 8260B	
SDG No. UNIF19	January
SDG No. BRES28	April
SDG No. UNIF20	April
SDG No. 107669 (soils)	June
SDG No. UNIF20	May
SDG No. UNIF21 (water supply)	June
SDG No. BRES29	July
SDG No. UNIF23	July
SDG No. BRES30	October
SDG No. WHEA11	October
SDG No. UNIF24	October
SDG No. UNIF24	October
Method 524.2	
SDG No. BRES28	April
SDG No. UNIF20	April
SDG No. BRES30	October
SDG No. UNIF24	October

Groundwater, groundwater seeps, springs, and surface water analyses were performed according to SW-846 Method 8260B Low Level, and potable water supply well and spring sample analyses were performed according to SDWA Method 524.2 Rev. 4.1, as documented in STL SOP 8260B and STL SOP 524.2, respectively, and in accordance with requirements in the Field/Laboratory Coordination Memorandum for Water Monitoring (FLCM), April 2, 2004, except as discussed in Section I of this report. Indoor and outdoor

air sample analyses were performed according to Method TO-14A/TO-15 and in accordance with requirements in the Field/Laboratory Coordination Memorandum for Air Monitoring (FLCM), April 2, 2004.

The target compound list for Method 8260B was limited to the OLM03.1 CLP target compound list, and the target compound list for Method 52.4.2 was limited to the OLM03.1 CLP target compound list plus methyl-*tert*-butyl ether. The target compound list for air samples was limited to the following compounds:

cis-1,2-Dichloroethene	Trichloroethene
trans-1,2-Dichloroethene	Tetrachloroethene

Tentative identification of non-target analyte peaks (i.e., tentatively identified compounds, or TICs) was not requested for these analyses.

Validated laboratory results are either qualified or unqualified; if results are unqualified, this means that the reported values may be used without reservation. Final validated results are annotated with the following codes, as defined in the EPA Region I Functional Guidelines:

U - The analyte was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit. The sample quantitation limit accounts for sample specific dilution factors and percent solids corrections or sample sizes that deviate from those required by the method.

J - The associated numerical value is an estimated quantity.

UJ - The analyte was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

R - The data are unusable (analyte may or may not be present). Resampling and reanalysis is necessary for verification. The R replaces the numerical value or sample quantitation limit. In some instances (e.g., a dilution) a result may be indicated as "rejected" to avoid confusion when a more quantitatively accurate result is available.

These codes are assigned during the validation process and are based on the data review of the results. They are recorded on the Data Summary Forms contained in Attachment A and the Organic Analysis Data Sheets (Form I) in Attachment B of this validation report.

All data users should note two facts. First, **the "R" qualifier means that the laboratory-reported value is completely unusable.** The analysis is invalid due to significant quality control problems, and provides no information as to whether the compound is present or not. Rejected values should not appear on data tables because they have no useful purpose under any circumstances. Second, **no analyte concentration is guaranteed to be accurate even if all associated quality control is acceptable.** While strict quality control conformance provides well-defined confidence in the reported results, any analytical result will always contain some error.

Data Quality Issues for the 2005 Sampling Year

I. Sample Integrity

No problems were encountered with the air sampling canisters, and all sample analyses were conducted within 14 days from collection, which is within the holding time (30 days from collection) specified for Method TO-15.

No problems were encountered with the collection and receipt of the routine air samples. However, the calibration records for the air sampling apparatus have never been included in a data package, which is a requirement of the air monitoring FLCM. One air canister did not collect sufficient volume for analysis during the January 2005 sampling round.

The water supply samples collected in June, 2005, were mistakenly submitted to the laboratory for a method 8260B analysis, which was performed (as usual) by the low-level method 8260B protocol. The only substantive differences in the way the laboratory performs these two methods is that the target analyte methyl-*tert*-butyl-ether (MTBE) is not included in the target compound list reported for method 8260B, and the PQL is 1.0 μg/L by method 8260B, and 0.5 μg/L by method 524.2. Since the laboratory routinely reports estimated values down to the MDL, which is significantly lower than 0.5 μg/L for both methods, any target analytes present would have been detected by either method.

During the collection of the soil samples in July 2005, methanol-preserved and unpreserved samples were collected. At each location, a soil sample was collected into a methanol-containing jar prior to collection of the low-level soil sample (in an unpreserved jar). An aqueous trip blank was not used, and since the low concentration analysis was performed and the soil samples collected in methanol were not utilized, the methanol field blank was not analyzed. No equipment blank was necessary, since disposable sampling equipment was used. Acetone was detected at high levels in all field samples, but also detected at low levels in both laboratory method blanks, leaving some uncertainty as to the actual source of the acetone. Should soil sampling be performed in the future, it is highly recommended that all low-level samples be collected prior to opening jars containing methanol, and that both an aqueous trip blank and a methanol field blank should accompany the sample jars at all times (from the laboratory to the field, and back). The laboratory should also be given clear instructions to analyze the methanol field blank within 14 days of collection if any field contamination is suspected.

In the last sampling round of 2005, the pH measurement of the samples was not recorded for approximately half of the method 8260B samples, or for the samples collected at the Williamstown water supply sites. Verification that proper preservation of volatile samples has occurred is required by the FLCM, as well as by all established volatile organic methods. The field engineer specifies acid-preserved vials, and checks for the presence of the acid before using the vials; however, if proper acidification has not been achieved, samples must be analyzed within 7 days of collection. The laboratory has been asked to respond to this concern.

II. Laboratory Performance and Quality Control Parameters

Air Samples

No qualifications were applied to results from air sampling in 2005.

Soil Samples

The qualifications applied to the soil samples collected in 2005 affected compounds which were, with a single exception, not detected in samples, so the impact on data quality was solely to raise the uncertainty of the detection limit for these compounds (chloromethane, bromomethane, bromoform, 1,1,2,2-tetrachlorethane, and styrene). The single exception was that due to unacceptably high recovery in the associated matrix spike analysis, the result for acetone was qualified as estimated (J) in one sample (GS-1).

Water Samples

Most of the qualifications applied to water samples in the 2005 sampling year affected compounds of low interest to this project. The ketones and styrene all continue to be problematic for the laboratory. A total of 86 qualifications to ketones and styrene in field samples occurred due to either failures to meet method requirements for calibration standards, or to recovery failures in spiked field or laboratory quality control samples (MS/MSD and LCS/LCSD samples), field or laboratory blank contamination, or to a combination of these, indicating poor performance for these compounds.

Recovery or reproducibility problems in either laboratory or field replicate samples contributed a further 14 qualifications for various compounds other than ketones and styrene, and including cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene.

Poor recovery of a surrogate compound in one trip blank contributed 18 qualifications in the May/June sample set. The sample was not reanalyzed, as required for low surrogate recovery problems; this may have been due to insufficient sample volume, since this was a trip blank, but no explanation was given in the Case Narrative. Poor surrogate recovery in one sample (which reproduced upon reanalysis) also contributed six qualifications to the results in the fall 2005 sampling round.

The detection limit for chloroethane was qualified in all four samples (including the duplicate, trip, and field blanks) from the January sampling of the new bedrock well identified as MW-25884 due to poor linearity in the initial calibration.

Fourteen qualifications of the detection limit for tetrachloroethene were applied to the water supply samples collected in April 2005, due to an unacceptably low recovery of this compound in the double-blind PES sample for Method 524.2 submitted with the samples. This failure followed the similar failure in the fall 2004 PES analysis. The laboratory's response, written by the Quality Assurance Manager, was deemed inadequate by the data validator, and the STL Operations Specialist (Deborah Loring) was contacted for further assistance.

Ms. Loring initiated a thorough investigation, including review of over 6 months of calibrations and

spike recovery results, sourcing and formulation of standards, and laboratory performance on other external performance evaluation samples. We discussed several approaches to identify and resolve the problem, including the two strongest possibilities. The first was that the compound pentachloroethane, which is part of the full method 524.2 compound list, was degrading in the standard immediately following formulation, and causing a high bias in the calibration for tetrachloroethene (one of the degradation products). The other strong possibility was that the formulation of a whole-volume PE sample, i.e., the dilution of the mixture of standards prepared in methanol into acidified reagent water, was resulting in degradation of the tetrachloroethene in the PES submitted with the samples. The laboratory agreed to pay for an additional single-blind PES sample, supplied in methanol in a sealed ampoule, to be analyzed following the completion of analysis of all samples in the sampling round. They also continued to investigate the impact on calibration bias related to the presence and absence of pentachloroethane in the calibration standard formulation, and the impact of acidification of the vials in which standards are diluted before use.

The results of these investigations were that pentachloroethane degradation was identified as responsible for a high bias in the calibration, and that acidification helps stabilize the formulation. Recovery for tetrachloroethene in the double-blind PES sample submitted with the fall 2005 water supply samples was 17 μg/L in the double-blind PES (diluted by the vendor in acidified laboratory water) and 19 μg/L in the single-blind PES (supplied by the vendor as a concentrate in methanol in an ampoule); the certified value was 19.2 μg/L, and the acceptance range was 15.4 – 23.0 μg/L. This is an 88.5 %R in the double-blind PES, and is quite acceptable. Performance for this compound will be closely monitored, but it appears at this time that the problem has been properly identified and resolved.

III. Other Parameters

An MDL study for Method TO-14A/TO-15 was performed on 11/29/04, for Method 8260B on 7/13/04, and the MDL study for Method 524.2 was performed on 10/1/04. All three MDL studies are acceptable for one year following completion, and are now expired. The laboratory is expected to submit new MDL studies prior to analysis of samples in the 2006 sampling year.

IV. Sampling and Analysis Order

No changes in the order of sample collection and analysis for air samples are recommended based on the data collected during the 2005 sampling season. Site AQ-6 continues to show the highest levels of target analytes, and should continue to be sampled and analyzed last, but the differences among the other sites appears to be variable and too small to necessitate specifying a sampling and analysis order for these sites.

No changes in the sampling order for the potable water supply wells and springs are recommended at this time. Wells WP-3, WP-13, and WP-20 have shown considerable variability in the concentrations of the four compounds of interest and compounds potentially of interest (chloroform, carbon disulfide). No target analytes were detected in the additional water supply samples collected in 2005.

For the groundwater and surface water samples, no changes are recommended at this time for the UniFirst and Wheatley sites. The only anomalous result during the year was a high result at MW-S2 for toluene, which is historically not a problem analyte at this site.

At the Bressett Site, it may be necessary to exchange the order of the last two sample sites, MW-3D and MW-101D, based on changes in their relative results in 2005. If this trend continues in the next year, this change will be recommended at that time.

No changes in the analysis order at the laboratory are recommended, since screen results remain the over-riding guidance.

V. Completeness

No sample results were rejected for any reasons other than replacement with more acceptable values from a dilution analysis. Five samples were diluted for tetrachloroethene initially outside the instrument calibration range, and two samples were diluted for cis-1,2-dichloroethene. The laboratory performed the dilutions properly and reported both analyses to maintain low detection limits and achieve acceptable quantitation of the compounds present at higher concentrations.

Noyes, Gerold

From: Deborah Gaynor [dgaynor@phoenixchemistryservices.com]
Sent: Friday, February 17, 2006 9:43 AM
To: Noyes, Gerold
Subject: supplemental documents from STL for U1st

Hi Gerold,

Ron Pentkowski of STL Burlington responded very quickly to my letter discussing my concerns about the errors in the Case Narrative for SDG No. BRES30, and the missing pH information. Attached is his complete response, which he also emailed to Miles. It contains a cover letter, discussing the missing documentation for the pH measurements, the original worksheets showing some of these measurements, and a revised Case Narrative.

Please replace the erroneous Case Narrative in your copy of the BRES30 data package with this one, add the worksheets to the Sample Preparation section of the data package, and add the cover letter there as well, because he interviewed the analyst and recorded in his letter that the analyst does remember performing the pH measurements, even though they are unable to locate any documentation supporting that analysis.

If you have any questions or concerns about this response (or my directions!) please do not hesitate to contact me by email or phone (233-2473). Thank you.

Best Regards,

Deb

Deborah H. Gaynor, Ph.D.
Phoenix Chemistry Services
126 Covered Bridge Road
No. Ferrisburg, VT 05473
www.phoenixchemistryservices.com
802.233.2473

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February 13, 2006

Dr. Deborah Gaynor
Phoenix Chemistry Services
126 Covered Bridge Road
N. Ferrisburg, VT 05473

Re: Laboratory Project No.: 24034
Case: 24034; SDG: BRES30 Rev.01

Dear Dr. Gaynor:

In response to issues discovered during data validation, please find enclosed the revised case narrative for samples received by STL Burlington on October 20th, 24th and 25th respectively in the Sample Delivery Group BRES30.

Additionally, the pH data for each of the field samples was inadvertently not provided for in advance of the data package. Please find this information following this cover letter. Select samples did not have this pH information recorded on the analytical worksheets (7 samples from SDG 110650 for Method 8260B) and (5 samples from SDG 110650 for Method 534.2). The analyst responsible for providing this information was certain that the pH was checked, however, documents were not located to support that fact. For all future delivery groups comprised of a water matrix, the laboratory will strive to submit pH data for all field samples either via facsimile transmittal or e-mail transmission to you within 2 days of the sample receipt by the laboratory.

I apologize for this oversight and for any inconvenience that this may have caused. If there are any questions regarding this submittal, please contact me at (802) 655-1203.

Regards,

Ron Pentkowski
Project Manager

Enclosure

Cc. Dr. Miles Waite, Ph.D.
Waite Environmental Management

STL Burlington

PRINTED : 10/24/05 METHOD NO : 5030_8260B :LW ETR NO : 110561
TIME : 11:47:39 PAGE NO : 1

LEVEL 4	TURNAROUND 29 DAYS	SECTION 1MCIV

PARAMETER : Analysis, VOA Low Water
DATE DUE : 11/18/05
DATE REC'D : 10/20/05
CLIENT : VTDEC3
PROJECT : 24034
Case:24034 SDG:BRES30
TRANSCRIPTION BY :
CHECKED BY :
WORKSHEET & DATA FILED :

1 ppb LCS, LCSD MS, MSD

screens to RAP 10/24/05

TECH	DATE	TIME	INST	DATE	TIME

COMMENTS/SPECIAL INSTRUCTIONS

Samples from Unifirst, Wheately and Bressette Sites (3 sites).
SM:Client requires Internal COCs. MS/MSD & TBs @ NC for 8260B & 524.2 .
Attach letter from Phoenix Chemistry Services to worksheets.
Separate the 3 sites into separate logins and SDGs /site.
(Continued on Next Page)

10 11/3

LAB NO.	NOTES AND CALCULATIONS	RESULTS
643901	100% LISH 11/1	C
643902		C
643903		C
643904		C
643905	85V (100% LISI 11/2)	C
643906	100% (15 ml ~~44 ml~~/44 ml DF 2.9 LISH 11/01)	C DCE ~~150~~ 110
643907	100%	C PCE ~~30~~ 16
643908	~~4.4 ml/44 ml~~ (5.3 ml/44 ml DF 8.3 LISH 11/01) (100% LISH)	C PCE ~~380~~ 315

LAB NO.	LAB SAMPLE DESCRIPTION	
643901	TB-1 :[ ]10/20/05 @ (Water	
643902	MW-103D :[ ]10/20/05 @1045(Water	
643903	MW-104S :[ ]10/20/05 @1145(Water	
643904	MW-104D :[ ]10/20/05 @1220(Water	
643905	MW-102D :[ ]10/20/05 @1325(Water	$CHCl_3$ data inconsistent TICs? 100%
643906	MW-102S :[ ]10/20/05 @1400(Water	PCE = 150
643907	MW-101S :[ ]10/20/05 @1505(Water	(PCE = 30)
643908	MW-101D :[ ]10/20/05 @1550(Water	PCE = 380

All pH<2 100%

10/24/05

STL Burlington

PRINTED : 10/27/05 METHOD NO : 5030_8260B :LW ETR NO : 110650
TIME : 14:51:53 PAGE NO : 1

| LEVEL 4 | TURNAROUND 30 DAYS | SECTION 1MCIV |

PARAMETER : Analysis, VOA Low Water
DATE DUE : 11/23/05
DATE REC'D : 10/24/05
CLIENT : VTDEC3
PROJECT : 24034
Case:24034 SDG:BRES30
TRANSCRIPTION BY :
CHECKED BY :
WORKSHEET & DATA FILED :

1.0ppb
LCS/LD
MS/MSD

TECH	DATE	TIME	INST	DATE	TIME

COMMENTS/SPECIAL INSTRUCTIONS

Samples from Unifirst, Wheately and Bressette Sites (3 sites).
SM:Client requires Internal COCs. MS/MSD & TBs @ NC for 8260B & 524.2 .
Attach letter from Phoenix Chemistry Services to worksheets.
Separate the 3 sites into separate logins and SDGs /site.
(Continued on Next Page)

9 11/4

LAB NO.	NOTES AND CALCULATIONS	RESULTS
644540	100% EM LISI 1 1/2 85↓ SPENT	
644541		
644542		
644543	8.8ml/44ml DFS C (100% EM LISI 1 1/2)	PCE 180
644544	DFS 85↓ C (9ml/44ml SPENT)	
644545	DFS C	
644546	100% EM	
644541MS		
644541MSD		

LAB NO.	LAB SAMPLE DESCRIPTION
644540	TB-3 :[ ]10/21/05 @ (Water)
644541	MW-4S :[ ]10/21/05 @1340(Water)
644542	MW-4D :[ ]10/21/05 @1430(Water)
644543	MW-3S ✓ :[ ]10/21/05 @1500(Water)
644544	MW-Y :[ ]10/21/05 @1530(Water)
644545	MW-3D ✓ :[ ]10/21/05 @1605(Water)
644546	FB-3 :[ ]10/21/05 @1610(Water)

11/1/05

STL Burlington

PRINTED : 10/27/05 METHOD NO : 5030_8260B :LW ETR NO : 110650
TIME : 14:51:53 PAGE NO : 1

| LEVEL 4 | TURNAROUND 30 DAYS | SECTION 1MCIV |

PARAMETER : Analysis, VOA Low Water
DATE DUE : 11/23/05
DATE REC'D : 10/24/05
CLIENT : VTDEC3
PROJECT : 24034
Case:24034 SDG:BRES30
TRANSCRIPTION BY :
CHECKED BY :
WORKSHEET & DATA FILED :

TECH	DATE	TIME	INST	DATE	TIME

COMMENTS/SPECIAL INSTRUCTIONS

Samples from Unifirst, Wheately and Bressette Sites (3 sites).
SM:Client requires Internal COCs. MS/MSD & TBs @ NC for 8260B & 524.2 .
Attach letter from Phoenix Chemistry Services to worksheets.
Separate the 3 sites into separate logins and SDGs /site.
(Continued on Next Page)

LAB NO.	NOTES AND CALCULATIONS	RESULTS
644541MS		
644541MD		

LAB NO.	LAB SAMPLE DESCRIPTION
644541MS	MW-4SMS :[MS]10/21/05 @1340(Water)
644541MD	MW-4SMSD :[MSD]10/21/05 @1340(Water)

STL Burlington

PRINTED : 10/24/05 METHOD NO : 5030_8260B :LW ETR NO : 110561
TIME : 11:47:39 PAGE NO : 2

| LEVEL 4 | TURNAROUND 29 DAYS | SECTION 1MCIV |

PARAMETER : Analysis, VOA Low Water
DATE DUE : 11/18/05
DATE REC'D : 10/20/05
CLIENT : VTDEC3
PROJECT : 24034
Case:24034 SDG:BRES30
TRANSCRIPTION BY :
CHECKED BY :
WORKSHEET & DATA FILED :

TECH	DATE	TIME	INST	DATE	TIME

COMMENTS/SPECIAL INSTRUCTIONS

Separate the 3 sites into 3 separate SDGs:BRES__, UNIF__,WHEA__.
Lab:Please provide Bob files for edd generation.
Screens Lab:Please forwrd screen data ASAP,PM must notify client w/i 48 hours if dilutions are necessary.

(Continued on Next Page)

LAB NO.	NOTES AND CALCULATIONS		RESULTS
643909	100% LISH	C	
643910	5.4ml/44ml DF8.1 C (100% LISH)	C	PCE 310

LAB NO.	LAB SAMPLE DESCRIPTION		
643909	FB-1	:[ ]10/20/05 @1600(Water	Al pH<2 100%
643910	MW-Z	:[ ]10/20/05 @1610(Water	↓ ↓ PCE=386

STL Burlington

PRINTED : 10/27/05 METHOD NO : 5030_8260B :LW ETR NO : 110662
TIME : 17:15:06 PAGE NO : 1

| LEVEL 4 | TURNAROUND 29 DAYS | SECTION 1MCIV |

PARAMETER : Analysis, VOA Low Water
DATE DUE : 11/23/05
DATE REC'D : 10/25/05
CLIENT : VTDEC3
PROJECT : 24034
Case:24034 SDG:BRES30
TRANSCRIPTION BY :
CHECKED BY :
WORKSHEET & DATA FILED :

TECH	DATE	TIME	INST	DATE	TIME

COMMENTS/SPECIAL INSTRUCTIONS

Samples from Unifirst, Wheately and Bressette Sites (3 sites).
SM:Client requires Internal COCs. MS/MSD & TBs @ NC for 8260B & 524.2 .
Attach letter from Phoenix Chemistry Services to worksheets.
Separate the 3 sites into separate logins and SDGs /site.
3 +TB
(Continued on Next Page)
11/8

LAB NO.	NOTES AND CALCULATIONS	RESULTS
644623	100% LISL 11/4 EM	C
644624		C
644625		C

LAB NO.	LAB SAMPLE DESCRIPTION
644623	BRW-1 :[ ]10/25/05 @1010(Water) All pH<2 100%
644624	BRW-2 :[ ]10/25/05 @1125(Water)
644625	BRW-3 :[ ]10/25/05 @1225(Water)

11/2/05

STL Burlington

PRINTED : 10/24/05 METHOD NO : 5030_8260B :LW ETR NO : 110561
TIME : 11:47:39 PAGE NO : 1

| LEVEL 4 | TURNAROUND 29 DAYS | SECTION 1MCIV |

PARAMETER : Analysis, VOA Low Water
DATE DUE : 11/18/05
DATE REC'D : 10/20/05
CLIENT : VTDEC3
PROJECT : 24034
Case:24034 SDG:BRES30
TRANSCRIPTION BY :
CHECKED BY :
WORKSHEET & DATA FILED :

TECH	DATE	TIME	INST	DATE	TIME

COMMENTS/SPECIAL INSTRUCTIONS

Samples from Unifirst, Wheately and Bressette Sites (3 sites).
SM:Client requires Internal COCs. MS/MSD & TBs @ NC for 8260B & 524.2 .
Attach letter from Phoenix Chemistry Services to worksheets.
Separate the 3 sites into separate logins and SDGs /site.
(Continued on Next Page)

LAB NO.	NOTES AND CALCULATIONS	RESULTS
643911	NBKN 11/05 G	C

LAB NO.	LAB SAMPLE DESCRIPTION
643911	HB318260 :[ ]10/24/05 @1140(Water) Al ok LC

Odat

STL Burlington

PRINTED : 10/27/05 METHOD NO : 5030_8260B :LW ETR NO : 110662
TIME : 17:15:06 PAGE NO : 1

| LEVEL 4 | TURNAROUND 29 DAYS | SECTION 1MCIV |

PARAMETER : Analysis, VOA Low Water
DATE DUE : 11/23/05
DATE REC'D : 10/25/05
CLIENT : VTDEC3
PROJECT : 24034
Case:24034 SDG:BRES30
TRANSCRIPTION BY :
CHECKED BY :
WORKSHEET & DATA FILED :

TECH	DATE	TIME	INST	DATE	TIME

COMMENTS/SPECIAL INSTRUCTIONS

Samples from Unifirst, Wheately and Bressette Sites (3 sites).
SM:Client requires Internal COCs. MS/MSD & TBs @ NC for 8260B & 524.2 .
Attach letter from Phoenix Chemistry Services to worksheets.
Separate the 3 sites into separate logins and SDGs /site.
(Continued on Next Page)

"11/8"

LAB NO.	NOTES AND CALCULATIONS	RESULTS
644622	100% 10.5KN 11/4	C

LAB NO.	LAB SAMPLE DESCRIPTION
644622	TB-5 :[ ]10/25/05 @ (Water 4) pH<2

Chart

10/28/05

STL Burlington

PRINTED : 10/27/05 METHOD NO : 524.2 :REV4 ETR NO : 110650
TIME : 14:51:53 PAGE NO : 1

| LEVEL 4 | TURNAROUND 30 DAYS | SECTION 1MCIV |

PARAMETER : 524.2 Revision 4
DATE DUE : 11/23/05
DATE REC'D : 10/24/05
CLIENT : VTDEC3
PROJECT : 24034
Case:24034 SDG:BRES30
TRANSCRIPTION BY :
CHECKED BY :
WORKSHEET & DATA FILED :

1.0ppb LCS/LD MS/MSD

TECH	DATE	TIME	INST	DATE	TIME

COMMENTS/SPECIAL INSTRUCTIONS

Samples from Unifirst, Wheately and Bressette Sites (3 sites).
SM:Client requires Internal COCs. MS/MSD & TBs @ NC for 8260B & 524.2 .
Attach letter from Phoenix Chemistry Services to worksheets.
Separate the 3 sites into separate logins and SDGs /site.
(Continued on Next Page)

7

11/4

LAB NO.	NOTES AND CALCULATIONS	RESULTS
644535 A1	100% DM LIT 11/4	C
644536 A2		C
644537		C
644538		C
644539		C
644538MS A3		C
644538MSD A4	✓ ✓	C

LAB NO.	LAB SAMPLE DESCRIPTION
644535	TB-2 :[ ]10/21/05 @ (Water)
644536	WELL Z :[ ]10/21/05 @1100(Water)
644537	SHIELDS WELL :[ ]10/21/05 @1210(Water)
644538	BRESSETT SPRING :[ ]10/21/05 @1230(Water)
644539	FB-2 :[ ]10/21/05 @1235(Water)

11/05

STL Burlington

PRINTED : 10/27/05 METHOD NO : 524.2 :REV4 ETR NO : 110650
TIME : 14:51:53 PAGE NO : 1

| LEVEL 4 | TURNAROUND 30 DAYS SECTION 1MCIV |

PARAMETER : 524.2 Revision 4
DATE DUE : 11/23/05
DATE REC'D : 10/24/05
CLIENT : VTDEC3
PROJECT : 24034
Case:24034 SDG:BRES30
TRANSCRIPTION BY :
CHECKED BY :
WORKSHEET & DATA FILED :

TECH	DATE	TIME	INST	DATE	TIME

COMMENTS/SPECIAL INSTRUCTIONS

Samples from Unifirst, Wheately and Bressette Sites (3 sites).
SM:Client requires Internal COCs. MS/MSD & TBs @ NC for 8260B & 524.2 .
Attach letter from Phoenix Chemistry Services to worksheets.
Separate the 3 sites into separate logins and SDGs /site.
(Continued on Next Page)

LAB NO.	NOTES AND CALCULATIONS	RESULTS
644538MS		
644538MD		

LAB NO.	LAB SAMPLE DESCRIPTION
644538MS	BRESSETT SPRINGMS :[MS]10/21/05 @1230(Water)
644538MD	BRESSETT SPRINGSMSD :[MSD]10/21/05 @1230(Water)

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February 13, 2006

Mr. Gerald Noyes
State of Vermont- DEC
103 South Main Street
Waterbury, VT 05677

Re: Laboratory Project No. 24034
Case: 24034; SDG: BRES 30 Rev.01

Dear Mr. Noyes:

Enclosed are the analytical results for samples received by STL Burlington on October 20th, 24th and 25th, 2005. This report is sequentially numbered starting with page 1 and ending with page 500. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 10/20/05 ETR No: 110561		
643901	TB-1	10/20/05	Water
643902	MW-103D	10/20/05	Water
643903	MW-104S	10/20/05	Water
643904	MW-104D	10/20/05	Water
643905	MW-102D	10/20/05	Water
643906	MW-102S	10/20/05	Water
643907	MW-101S	10/20/05	Water
643908	MW-101D	10/20/05	Water
643909	FB-1	10/20/05	Water
643910	MW-Z	10/20/05	Water
643911	HB318260	10/24/05	Water
	Received: 10/24/05 ETR No: 110650		
644535	TB-2	10/21/05	Water
644536	WELL Z	10/21/05	Water
644537	SHIELDS WELL	10/21/05	Water
644538	BRESSETT SPRING	10/21/05	Water
644538MS	BRESSETT SPRINGMS	10/21/05	Water
644538MD	BRESSETT SPRINGSMSD	10/21/05	Water
644539	FB-2	10/21/05	Water
644540	MW-4S	10/21/05	Water
644541MS	MW-4SMS	10/21/05	Water
644541MD	MW-4SMSD	10/21/05	Water
644542	MW-4D	10/21/05	Water
644543	MW-3S	10/21/05	Water
644544	MW-Y	10/21/05	Water
644545	MW-3D	10/21/05	Water
644546	FB-3	10/21/05	Water

Leaders in Environmental Testing

Severn Trent Laboratories, Inc.

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 10/25/05 ETR No: 110662		
644622	TB-5	10/25/05	Water
644623	BRW-1	10/25/05	Water
644624	BRW-2	10/25/05	Water
644625	BRW-3	10/25/05	Water

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. One of the sample coolers was received by the laboratory with a temperature of 8.2 degrees Celsius. This temperature marginally exceeds the laboratory's acceptance criterion of 4 degrees +/- 2 degrees Celsius. However, the analyses proceeded as normal and the results were reported as obtained.

EPA SW846 Method 8260B – Volatile Organics:
The analysis of the field sample MW-102S was performed at an appropriate dilution in order to provide quantification of all target analytes within the calibrated range of instrument response. The results of the dilution analysis were within the calibration range of the instrument.

The original analyses of the field samples MW-101D, MW-3S, MW-Y, MW-3D and MW-Z exhibited concentrations of select target compounds that exceeded the calibration range. Consequently, these samples were re-analyzed at appropriate dilutions and yielded results that were within the calibration range of the instrument. Both sets of data have been presented in this case submittal.

The matrix spike analysis of the field sample identified as MW-4S and the associated matrix spike duplicate analysis of this field sample exhibited percent recoveries of the target compound Styrene that were outside the quality control criteria (80-120 percent at 62 percent and 71 percent respectively.

The analyses of the blank spike samples LISI LCS and LISH LCS yielded percent recoveries for the target compound Tetrachloroethane that were above the control limits (50-125 percent) at 130 percent and 150 percent respectively. These outliers are presented on the analytical Form IIIs.

The analyses of the blank spike samples NBKN LCS exhibited percent recoveries for several target compounds that exceeded the control limits. These outliers are presented on the analytical Form IIIs.

The response for the target compound Chloromethane in an initial calibration check acquisition exceeded the relative standard deviation criterion. This compound was detected in the sample BRW-2 of this delivery group.

Select continuing calibration standards exhibited percent difference relative to the nominal concentrations that exceeded the established percent difference criteria for the target compounds Acetone and 2-Butanone. These compounds were not detected in the field samples of this delivery group.

Please note that any manual integrations performed in the processing of volatile organic data files are documented in the supporting documentation section of this data package.

EPA Method 524.2 Rev.4 – Volatile Organics:
Please note that any manual integrations performed in the processing of volatile organic data files are documented in the supporting documentation section of this data package.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

Ron Pentkowski
Project Manager

Enclosure