

EPA WORK ASSIGNMENT NUMBER 159-RARA-02GP
EPA CONTRACT NUMBER 68-W-98-214
TETRA TECH EC, INC.
RAC II PROGRAM

FINAL
DATA EVALUATION REPORT #1
FOR THE
REMEDIAL ACTION
LITTLE VALLEY SUPERFUND SITE
CATARAUGUS COUNTY, NEW YORK

JUNE 2007

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JUNE 2007

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DATA EVALUATION REPORT

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ACRONYMS AND ABBREVIATIONS

below ground surface	bg
Cattaraugus County Health Department	CCHD
Contract Laboratory Program	CLP
Dichloroethene	DCE
Data Evaluation Report	DER
Division of Environmental Science and Assessment	DESA
Deionized	DI
Dissolved Oxygen	DO
United States Environmental Protection Agency	EPA
Explanation of Significant Differences	ESD
Focused Feasibility Study	FFS
Feasibility Study	FS
Investigation-Derived Waste	IDW
Maximum Contaminant Level	MCL
milligram per liter	mg/L
Monitored Natural Attenuation	MNA
mean sea level	msl
millivolt	mV
National Priorities List	NPL
New York State Department of Environmental Conservation	NYSDEC
New York State Department of Health	NYSDOH
New York State Department of Transportation	NYSDOT
Oxidation-Reduction Potential	ORP
Operable Unit	OU
Quality Assurance	QA
Quality Control	QC
Remedial Action	RA
Routine Analytical Service	RAS
Remedial Design	RD
Remedial Investigation	RI
Record of Decision	ROD
Relative Percent Difference	RPD
Relative Standard Deviation	RSD
Standard Deviation	SD
Standard Operating Procedure	SOP
Scope of Work	SOW
Sample Quantitation Limit	SQL
Trichloroethene	TCE
Total Dissolved Solids	TDS

ACRONYMS AND ABBREVIATIONS (cont'd)

TOC	Total Organic Carbon
TtEC	Tetra Tech EC, Inc.
ug/L	microgram per liter
VOC	Volatile Organic Compound
WQ	Water Quality

1.0 INTRODUCTION

This Data Evaluation Report #1 (DER #1) presents the data acquired during the first yearly sampling event (October 2006) under the Remedial Action (RA) at the Little Valley Superfund Site (the Site), Operable Unit 2 (OU-2). DER #1 includes: a description of the evaluation of the usability of the data; a discussion of trends apparent in the data; and an overview of the progress of the Monitored Natural Attenuation (MNA) remedy for addressing the groundwater contamination problem. This report has been prepared by Tetra Tech EC, Inc. (TTEC) in response to Work Assignment 159-RARA-02GP, issued under United States Environmental Protection Agency (EPA) RAC II Contract Number 68-W-98-214. Results presented in this DER #1 were obtained and evaluated pursuant to the EPA-approved Final Work Plan (TTEC, 2006b) and Quality Assurance Project Plan Addendum (TTEC, 2006a), and current EPA guidance.

1.1 Objectives of Remedial Action

The objectives of the Remedial Action project are to:

- Perform two annual MNA sampling events;
- Conduct annual visual inspections of the Bush Industries and former Cattaraugus Cutlery properties to observe whether any new wells (without treatment systems) have been installed; and
- Evaluate historic and new analytical data to monitor natural attenuation at the Site.

1.2 Site Background

1.2.1 Site Description

The Site is located in the Towns of Little Valley and Salamanca in Cattaraugus County, New York. Since 1982, chemical analyses of groundwater samples collected from monitoring and private wells throughout the Little Valley study area have indicated the presence of trichloroethene (TCE). The boundaries of the Site have been defined by EPA, the New York State Department of Environmental Conservation (NYSDEC), and the Cattaraugus County Health Department (CCHD), and are based on the locations of the monitoring and residential wells that have been sampled (see Figures 1-1 through 1-3 for the results of the most recent round of sampling). The study area overlies a TCE plume, which extends approximately seven to eight miles from the Village of Little Valley to the northern edge of the City of Salamanca, which is part of the Allegheny Indian Reservation. The Site area is located in a rural, agricultural area with a number of active and inactive small industries located within one mile of the Site. There are over 200 residential properties situated in the study area along Route 353, the main transportation route between Little Valley and Salamanca.

1.2.2 Site History Overview

The following presents an overview of the history and previous investigations performed in the vicinity of the Site. A more detailed chronology is presented in the Remedial Investigation Report for OU-2 (TRFW, 2005a).

In 1982, CCHD and NYSDEC detected TCE in nearby private wells, while investigating contamination at the Luminite Products Corporation (Luminite), a small manufacturing facility along Route 353.

In 1989, the plant production well, process wastewater, and septic tank on the Luminite property, as well as nearby New York State Department of Transportation (NYSDOT) monitoring wells, were sampled by NYSDEC. The analytical results indicated groundwater contamination was present both upgradient and downgradient of the Luminite facility (NYSDOH, 1996).

Between 1989 and 1996, CCHD, NYSDEC, and well owners collected groundwater samples from approximately 104 drinking water wells. Of the wells that were sampled, 42 had levels of TCE greater than or equal to the drinking water standard of 5 micrograms per liter (ug/L).

From 1992 through 1994, NYSDEC conducted various investigations to identify potential sources of the TCE contamination at the Site (NYSDEC, 1994a; 1994b).

On 2 October 1995, EPA proposed the Site as a candidate for the National Priorities List (NPL). The Site was listed on the NPL as the Little Valley Superfund Site in June 1996.

Operable Unit 1

In 1996, EPA developed a Focused Feasibility Study (FFS) Report, which identified and evaluated remedial alternatives to protect the private water supplies located in the vicinity of the Site (EPA, 1996). A Record of Decision (ROD) was signed in September 1996 for OU-1. The selected remedy called for the installation of water supply treatment units (air strippers) on the affected wells. In 1997, EPA completed the remedial design (RD), and later in August 1997, air stripper treatment units were installed on the affected private water supply wells, which completed the remedial action for OU-1.

Subsequently, granular activated carbon units were installed in addition to the air strippers to improve the overall contaminant removal efficiency. Since the air strippers were reaching the end of their useful life, the maintenance requirements associated with these units were likely to increase, and contaminant concentrations in the private wells had significantly decreased. EPA determined that granular activated carbon units alone would be able to effectively remove the contamination. This determination was documented in an April 2002 Explanation of Significant Differences (ESD). The noted modifications were made in 2002, and granular activated carbon treatment units were installed on 90 private wells at the Site.

In May 2002, EPA issued a Five-Year Review report, which concluded that the individual treatment units called for in the ROD, as modified by the ESD, were functioning as designed and have addressed the immediate threat to public health.

In 2002, NYSDEC became the lead agency responsible for OU-1.

To date, a total of 91 treatment units have been installed throughout the study area.

Appendix A contains a summary of the results of residential well sampling from 1989 through October 2006. Results of the most recent sampling event (October 2006) are shown on Figure 1-1.

Operable Unit 2

Following installation of the residential well treatment units, EPA initiated a Remedial Investigation (RI) and Feasibility Study (FS) of the Site as OU-2, and T1EC and predecessor companies investigated the sources of the TCE-contaminated groundwater beneath the Site. Ten potential source areas, some of which were divided further into sub-areas, were investigated. The RI sampling indicated groundwater impacts from TCE at several of the investigated areas, but no definite, current source responsible for the low level of site-wide TCE contamination was determined. During the execution of the RI, an evaluation of MNA was performed to assess its viability as a remedy for the contaminated groundwater associated with the Site. The evaluation concluded that MNA is occurring at the Site and therefore was a viable remedy. The RI Report was completed in January 2005 (T1FW, 2005a). The FS Report was completed in April 2005 (T1FW, 2005b), and Appendix C of the FS Report contained a copy of the MNA Evaluation Report, which was based on groundwater sampling performed in November and December 2003.

A ROD for OU-2 was signed in August 2005, which (1) outlined excavation and off-site disposal of contaminated soils at one area, (2) designated MNA as the remedy for addressing the groundwater contamination, and (3) called for an evaluation of the potential for soil vapor intrusion into structures within the study area. A ROD Amendment was approved in September 2006, which changed the soil remedy to in-situ vapor extraction, which was subsequently completed. Based on the results of subsurface and indoor air sampling, mitigation systems were installed in two homes in late September 2006.

Appendix B contains results from various rounds of groundwater sampling during the RI, as applicable to this RA.

1.2.3 Site Physical Characteristics

The following presents a summary of the characteristics of the area in the vicinity of the Site. More detailed descriptions of the geology and hydrogeology are presented in the Remedial Investigation Report for OU-2 (TFW, 2005a).

Surface Features

The Site lies along a 7 to 8-mile segment of the Little Valley Creek and extends from the northwestern end of the Village of Little Valley to the northern boundary of the City of Salamanca. The Site ranges in width from 1,000 to 2,500 feet and in elevation from nearly 1,600 feet above mean sea level (msl) in the Village of Little Valley to less than 1,400 feet msl near the Salamanca city line. The Site is bordered by steeply sloping wooded hillsides, which attain slopes of up to 25 percent and elevations of 2,200 feet above msl.

Geology

Little Valley is a U-shaped glacial valley (in cross-section) filled with glacially-derived outwash deposits (i.e., glaciofluvial sediments), which are frequently overlain by more recent alluvial deposits (Caddwell et al., 1988). The recent alluvial deposits are described as glacially-derived, reworked sediments and are representative of the stream bed and floodplain deposits of Little Valley Creek (Zartello, 1987). The unconsolidated deposits of Little Valley are predominantly sand and gravel, with isolated lenses of silt and clay.

Borings advanced throughout the Site area indicated that glacial outwash with high gravel content is the predominant subsurface stratigraphic unit encountered to the depths drilled. This stratigraphic unit typically consists of gravel with sand or sand with gravel and varying amounts of fines. The unit is laterally extensive throughout the length of the valley and thins toward the valley walls. It is frequently encountered below alluvial silts and fine sands associated with more recent streambed deposits.

Depths to gravel generally range from 0 to 30 feet below ground surface (bgs), and gravel is found closer to the surface at locations topographically near creek level. In the Great Triangle Area, the top of the gravel was encountered at greater than 30 feet bgs at a point midway between Little Valley Creek and its tributary to the west, Dublin Creek. Alluvial silts have accumulated in greater thicknesses in this area due to sediment loads of the two creeks (or two outwash fans) being deposited in the area where the valley widens and water velocities decrease. This may also happen where the Whig Street Creek joins Little Valley Creek; however, due to the limited number of borings in the area, accumulation of alluvial sediment was not apparent.

In some areas of the valley, the sand and gravel unit is overlain by glaciolacustrine silty clay or clay lenses. These thin lenses are not laterally or vertically extensive and may represent areas where small historic lakes formed due to damming behind moraine till deposits.

The vertical hydraulic gradient throughout the thickness of the central portion of the valley aquifer, as measured in shallow and deep piezometers, is not highly significant. Therefore, the flow in the central portion of the valley aquifer is basically horizontal. This would be expected due to the geometry of the aquifer and high permeability of the sands and gravels. More significant vertical hydraulic gradients would be expected at the outer edges of the valley, between the bedrock and overburden sands and gravel, and in the upstream (upgradient) reaches of the valley. In the center of the valley, the gradients between the bedrock and the overburden would be expected to be upward as well. A downward component of gradient would be expected as groundwater moves through the sands and gravel from the edges of the valley to the central portion of the valley. Data collected in December 2003 as part of the RI confirm a downward hydraulic gradient in the upstream reaches of the valley.

During the period of the RI, the water table in the valley ranged from near ground surface to approximately 50 feet bgs. In general, the water table is deepest in the upper (northern) portion of the valley and gets progressively closer to the ground surface proceeding down the valley toward the Allegheny River. From 1997 through 2003, the water table was observed to be below the base of Little Valley Creek in the northern part of the valley and intersecting Little Valley Creek in the southern part of the valley. Therefore, Little Valley Creek is likely a losing stream in the northern part of the valley and a gaining stream in the southern part of the valley. The line between losing and gaining reaches of the stream is considered to be dynamic and is likely affected by seasonal and annual precipitation amounts.

The overall groundwater flow direction in the gravel and sand aquifer is from north to south, following the slope of the valley topography. In the central portion of the valley, the gravel and sand unit is the thickest and the most permeable. This depresses the water table elevation in the central portion of the valley, compared to the edges of the valley. Along the eastern and western boundaries of the valley, groundwater flow is toward the center of the valley. A generalized picture of the overall site area groundwater flow is shown on Figure 1-4.

Hydrogeology

The local bedrock geology consists of flat to slightly southward dipping Devonian Age gray to black siltstones and shales (Rickard et al., 1970), which are mapped as part of the Chadokin Formation. Bedding and perpendicular fractures provide secondary porosity, which transmits groundwater that provides domestic water supply at the edge of and above the valley plain.

Along the northeast-southwest spine of the Great Triangle Area (Route 242), glacial till deposits consisting of dense clayey silt with some gravel and sand are present. These till deposits may alternate with outwash deposits to considerable depths (i.e., 30 feet or more in borings PZ-18, PZ-19, PZ-29, PZ-31, and PZ-41).

- The most current versions of the EPA Region 2 Data Validation Standard Operating Procedure (SOP) (www.epa.gov/superfund/programs/clip/guidance.htm);

laboratory data will undergo validation in accordance with:

Sample analyses are being performed through the EPA's Contract Laboratory Program (CLP), EPA's Division of Environmental Science and Assessment (DESA) Laboratory in Edison, New Jersey, and/or an independent subcontract laboratory. For each of the two MNA events, the off-site

Alternates	Primary Wells/Piezometers	
BIAMW-5	MWCCA -8	BIAMW-2
PZ-38	MWCCA -9D	BIAMW-3
PZ-25	MWCCA -10	BIAMW-6
PZ-32	MWCCA -11D	BIAMW-8
PZ-48	MWCCA -12	BIAMW-D1
PZ-47D	PZ-20D	BIAMW-D2
PZ-27	PZ-5	MWCCA-1
PZ-28D	PZ-6D	MWCCA -2
LV-8	PZ-39	MWCCA -3
LV-9	PZ-45D	MWCCA -5
PZ-62D	PZ-46	MWCCA -6
	PZ-55D	MWCCA -7

for substitution purposes as needed. The primary and alternate wells/piezometers are as follows:

additional 11 monitoring wells and/or piezometers are designated as alternates in hierarchical order Report (Appendix C of the EPA-approved April 2005 FS Report) and EPA's Technical Protocol. An 2005 and considering site-specific information included in the RI Report, the MNA Evaluation and approved by EPA, to be sampled during the MNA program based on a site visit conducted in Twenty-four (24) of the existing monitoring wells and piezometers present at the Site were selected

- Mobilization and demobilization;
- Groundwater sampling of selected monitoring wells and piezometers; and
- Investigation-derived waste (IDW) disposal.

A MNA remediation program is being performed at the Site in accordance with EPA's "Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water" (Technical Protocol; EPA, 1998). The field activities to be conducted under this MNA program during each of the two yearly sampling events (October 2006 and October 2007) include the following:

2.1 Introduction

2.0 SUMMARY OF SAMPLING EVENT

Groundwater sampling was conducted from 23 October 2006 to 1 November 2006, in accordance with the EPA-approved Final Work Plan (TtEC, 2006b) and Quality Assurance Project Plan Addendum (TtEC, 2006a). Groundwater purging operations, and subsequent sample collection, were conducted using low-flow methodology and adjustable-rate stainless-steel submersible pumps equipped with dedicated Teflon-lined tubing and a flow-through cell. Field indicator parameter readings (i.e., pH, specific conductivity, turbidity, dissolved oxygen (DO), oxidation-reduction potential (ORP), temperature, and total dissolved solids (TDS)) were taken during purging operations (see Appendix C for the well/piezometer purge sheets). Once the indicator parameters were considered to be stabilized, groundwater samples were collected from the monitoring wells/piezometers directly from the Teflon-lined tubing into the sample bottles. Table 2-1 presents the stable field parameter measurements, directly prior to groundwater sampling.

2.2.2 Groundwater Sampling

Demobilization activities were performed on 1 November 2006, following completion of the sampling event. The temporary staging/storage and decontamination area was restored to pre-event conditions, and the area was secured. All rental equipment was sent back to the appropriate vendors, and the site files were returned to the Morris Plains office of TtEC.

- TtEC began mobilizing the necessary personnel, equipment and materials for the first annual sampling event on 20 October 2006 (Friday). Site mobilization was completed at the former Cattaraugus Cutlery facility on 23 October 2006 (Monday). Site mobilization activities included:
- Establishment of a temporary staging/storage and decontamination area at the former Cattaraugus Cutlery facility;
- Verification and inspection of rental and expendable equipment from office procurement; Purchase of additional expendable equipment and sampling supplies; and
- Conducting site-specific orientation/health and safety briefing for project team members.

2.2.1 Mobilization and Demobilization

2.2 October 2006 Sampling

- The best professional judgment of the validator.
- Method-specific QC information (such as holding times, calibration records, laboratory and field blanks, duplicate precision, and surrogate and matrix spike recovery) as outlined in the applicable methodology and the Laboratory Subcontract Scope of Work (SOW); and
- Applicable sections of the most current versions of the EPA National Functional Guidelines for Organic and Inorganic Data Validation (www.epa.gov/superfund/programs/clp/guidance.htm);

Field quality control blanks were also collected during the sampling event. A sample of the deionized (DI) water used for generating the field and trip blanks was sent for verification analysis,

The data results obtained from these off-site laboratories underwent a systematic validation to provide assurance that the data would be adequate for its intended use. EPA Region 2 Hazardous Waste Support Section personnel, in conjunction with EPA DESA personnel, performed the validation of the samples sent to the CLP laboratory. DESA Laboratory personnel validated the water quality parameter results that were analyzed by the EPA Region 2 DESA Laboratory. The subcontractor laboratory data were validated by TREC personnel. The validated results of the sampling event are provided in Appendix B, Tables B-6 and B-8 and discussed in Section 3.0.

- Methane, ethane, ethene, and ferrous iron analyses were performed by a subcontract laboratory, Life Science Laboratory, Inc. of East Syracuse, New York.
- Alkalinity, sulfate, sulfide, nitrate, chloride, and total organic carbon (TOC) were performed by the EPA Region 2 DESA Laboratory; and
- Trace Concentration volatile organic compound (VOC) samples were analyzed through the EPA CLP by Shealy Environmental Services, Inc.;

Samples from the monitoring wells/piezometers were shipped for analysis as follows:

The locations of these wells/piezometers are shown on Figures 1-1 through 1-3.

MWCCA-8	BIAIW-2
MWCCA-9D	BIAIW-3
MWCCA-10	BIAIW-6
MWCCA-11D	BIAIW-5
MWCCA-12	BIAIW-D1
PZ-20D	BIAIW-D2
PZ-5	MWCCA-1
PZ-6D	MWCCA-2
PZ-39	MWCCA-3
PZ-45D	MWCCA-5
PZ-46	MWCCA-6
PZ-55D	MWCCA-7

During the event, the field team utilized the list of primary and alternate wells to determine the locations to be sampled. As a result of well BIAIW-8 at the Bush Industries Area being inaccessible due to damage to the outer casing, alternate well BIAIW-5 was added to the event, and therefore, the following locations were sampled during the October 2006 event:

to confirm that any source of contamination in the blank samples was not from the DI water. Field blanks were collected to evaluate the potential for residual chemical contamination of the environmental samples from inadequate decontamination of the field equipment. The field blanks were collected by pumping DI water through the decontaminated well pumps, at a frequency of one per day. Trip blanks were collected to detect possible cross-contamination of volatile samples resulting from handling, storage, and shipment procedures. DI water and field blanks were analyzed for Trace Concentration VOCs. Trip blanks were analyzed for Trace Concentration VOCs and methane, ethane, and ethene. Trichloroethene was not found at or above the sample quantitation limit (SQL) in any of the blanks. Appendix B, Tables B-15 and B-16 contain the results of the blank sample analyses.

2.2.3 Investigation-Derived Wastes

Based on historic low-level groundwater concentrations at the Site, TREC, through EPA, received NYSDEC approval on 8 March 2006 to discharge the monitoring well/piezometer purge water and the decontamination water to the nearby ground surface.

3.0 SAMPLING EVENT RESULTS

3.1 Visual Inspection

Visual inspections were performed by TREC personnel at the Bush Industries and Cattaraugus Cutlery properties during the October 2006 sampling event. No new wells (without treatment systems) were noted to be installed, that did not exist when the OU-2 RI Report was prepared. In addition, TREC inquired of the environmental consultant for Bush Industries if any wells had been installed on the property, and received a negative reply.

3.2 Usability of Sampling Event Data

The usability of the analytical data acquired during the October 2006 field investigation is based on the adequacy of the results to fulfill the requirements of the site-specific quality assurance/quality control (QA/QC) objectives. Characteristics to satisfy these requirements include precision, accuracy, representativeness, comparability, completeness, detection limit verification, and blank contamination elimination. This assessment determines whether the data can be relied upon for assessing the progress of the MNA program.

A total of 41 samples (24 environmental samples; 2 duplicate samples; and 15 field, trip and deionized water blanks) were analyzed, and these off-site laboratory samples contained 2,410 separate constituent results.

Precision

Precision is the measurement of agreement in repeated tests of the same or identical samples, under prescribed conditions. Analytical precision can be expressed in terms of standard deviation (SD), relative standard deviation (RSD) and/or relative percent difference (RPD). Acceptance criteria for laboratory precision are described in the applicable analytical methodologies. The acceptance criterion for the field duplicates was an RPD less than or equal to 50 percent for aqueous samples.

Laboratory precision was determined through replicate measurements of the same or identical samples, such as matrix spike duplicates and laboratory duplicates. Over 98 percent of the laboratory analytical results (or 2,366 constituent results) were associated with precision samples that were within their prescribed limits. Only 0.1 percent (or 3 constituent results) had laboratory precision samples slightly outside limits, and were qualified as estimated after validation. A total of 41 constituent results (or 1.7 percent) were determined to be unusable due to severe data bias, and these results were for 1,4-dioxane (which is not a contaminant of concern for the Site).

The precision of the field sampling effort was determined by the analysis of two field duplicate samples and the calculation of RPDs. The RPD was not calculated for any set of sample pairs that [1] had only one detection in either sample but not in both; [2] was not detected in both the data sets, and/or [3] had a data result value deemed unusable ("rejected") during validation for at least one of

the samples. Agreement between the two data pairs can be inferred when both of the results are non-detects, and when the one detected result value is below the quantitation limit of the other sample set. Nineteen of the possible 20 constituent results for which RPDs were calculated (or 95 percent) had acceptable RPDs. The one set of constituent results (or 5 percent) had a calculated RPD of approximately 82 percent, and was for methane.

Accuracy

Accuracy of the data, or the degree of agreement between a measured result with the accepted true value, was determined through the use of surrogate compounds, internal standard compounds, and matrix spike samples. The majority of the laboratory analytical runs had percent recovery measurements within the prescribed method limits (i.e., 99.9 percent or 2,408 constituent results). Two separate constituents (or almost 0.1 percent) were estimated following validation based on exceeding the appropriate recovery limits. None of the concentration results were considered unusable due to gross recovery limit exceedances.

Representativeness

Representativeness is the degree to which the results of the analyses accurately and precisely represent a characteristic of a population, a process condition, or an environmental condition (i.e., the degree to which the data reflect the contaminants present and their concentration magnitudes in the sampled site areas). Representativeness of the field investigation data occurred through the use of previously installed locations that were selected by EPA based on Site-specific information. In addition, representativeness is assessed through the implementation of approved sampling procedures as described in the EPA-approved Final Work Plan (TREC, 2006b) and Quality Assurance Project Plan Addendum (TREC, 2006a). A field inspection by the TREC Quality Assurance Officer on 24 and 25 October 2006 indicated that the sampling investigation was found to be in general compliance with the applicable plans. Three minor findings were noted, and corrections were implemented immediately by the field staff.

Based on the above, the October 2006 field investigation data are considered representative of the current environmental conditions at the Site.

Comparability

Comparability is the degree of confidence with which results from two or more data sets, or two or more laboratories, may be compared. To increase the degree of comparability between data results and between past, present and future sampling events, standard environmental methods were employed by the off-site laboratories. Routine Analytical Service (RAS) sample analyses available through the EPA CLP Program were utilized for the Trace Concentration VOCs, and one CLP laboratory was used during the October 2006 investigation. Non-compliance with the CLP Statement of Work occurred during the calibration of 1,4-dioxane, which qualified these data results as unusable (“rejected”).

Non-CLP parameters (i.e., the monitored natural attenuation/water quality parameters) were

Usability Summary
In general, the data fulfilled the site-specific QA/QC requirements, and therefore, are considered acceptable for use under the project objectives and to support the evaluation of the MNA program.

Blank Contamination Elimination
Blanks were prepared during the field investigation and analyzed by the off-site laboratories with the associated environmental samples to evaluate the potential for contamination that may have been introduced into the samples. Validation determines the need for qualification of sampling analytical results based on blank contamination. Concentrations of 14 constituents were detected during the analysis of field, trip and/or deionized water blanks (see Tables B-15 and B-16). Based on the blank contamination amounts, the constituent concentrations in the associated environmental samples were considered legitimate occurrences or qualified as not detected (144 constituent results).

Detection Limit Verification
An evaluation of detection limits was part of the determination of analytical methods to verify that the sensitivity of the chosen methods was adequate to meet the applicable screening criteria. Analytical methods were selected based on, depending on the analytical fraction, either all or a majority of the constituent detection limits being less than applicable criteria values, with special attention paid to the contaminants of potential concern at the Site (e.g., TCE and its reductive dechlorination products).

Completeness
Completeness is defined as the percentage of samples that meet or exceed all the criteria objective levels within a defined time period or event. The objective for completeness was 90 percent, as stated in the Quality Assurance Project Plan Addendum. Approximately 1.7 percent of the constituent results (or 41) were considered unusable due to being qualified "rejected" during validation. Therefore, a total of 2,369 constituents (or over 98 percent) was determined to be usable results, which exceeds the completeness criterion.

analyzed by either the EPA Region 2 DESA Laboratory or Life Science Laboratory, Inc. The methodologies and analytical procedures utilized by these Non-CLP laboratories were EPA-approved, generally accepted methods specified in the Quality Assurance Project Plan Addendum and/or the Subcontract. Non-compliance by the Non-CLP laboratories resulted in either qualification of the results as estimated or did not qualify the data.

3.3 Groundwater Results

Comparison screening criteria were used to assist in the interpretation of data results, and Table 3-1 presents Maximum Contaminant Levels (MCLs) from the EPA Drinking Water Regulations and Health Advisories (EPA, 2004b) and Class GA (i.e., groundwater utilized as a source of drinking water) standards/guidance values from NYSDEC Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (NYSDEC, 1998; 1999; 2000). Current and historic groundwater results for the monitoring wells/piezometers sampled as part of the MNA program are presented in Table 3-2 (Bush Industries Area), Table 3-3 (Cattaraugus Cutlery Area) and Table 3-4 (Great Triangle Area, Whig Street Area, and Luminite Area).

3.3.1 Volatile Organic Compounds

TCE and its reductive dechlorination products (e.g., 1,1-dichloroethene (DCE); 1,2-DCE [total]; cis-1,2-DCE; trans-1,2-DCE; vinyl chloride) are the main contaminants of concern at the Site. Groundwater samples from the various locations around the Little Valley Superfund Site also contained occurrences of non-halogenated volatile organics, such as benzene and acetone, which were below comparison criteria values.

As shown in Table 3-2, occurrences of TCE and its reductive dechlorination products have been – and are still currently – present in the wells at the Bush Industries Area. Exceedances of comparison screening criteria for TCE were noted in monitoring wells BIAMW-2, BIAMW-3 (although the October 2006 detection is less than the criterion), BIAMW-6, BIAMW-D1 (although the October 2006 detection is less than the criterion), and BIAMW-D2. During the current round, the maximum concentration of TCE occurred in BIAMW-D2 (93 D ug/L), with BIAMW-2 having the second highest detection (58 D ug/L). The various investigations also indicated exceedance concentrations for vinyl chloride and 1,2-DCE [total]/cis-1,2-DCE in these wells (with the exception of BIAMW-3). Maxima for the October 2006 event for vinyl chloride and cis-1,2-DCE were present in BIAMW-2 at 4.8 D ug/L and 46 D ug/L, respectively (see Table 3-2).

TCE and its reductive dechlorination products have also been detected in the Cattaraugus Cutlery Area wells, with only TCE being present at concentrations above comparison screening criteria (see Table 3-3). Historically, TCE exceeded its comparison criterion in MWCCA-1, MWCCA-2, MWCCA-3, MWCCA-6, MWCCA-10, and MWCCA-12. During the October 2006 sampling event, the samples from monitoring wells MWCCA-2, MWCCA-3, MWCCA-5, MWCCA-10, and MWCCA-12 indicated exceedance concentrations of 9.6 ug/L, 19 ug/L, 28 D ug/L, 7.2 ug/L, and 16 ug/L, respectively for TCE.

Two piezometers located in each of the following three areas were sampled as part of the MNA program: Great Triangle Area (PZ-5 and PZ-6D), Whig Street Area (PZ-39 and PZ-45D), and Luminite Area (PZ-46 and PZ-55D). As shown in Table 3-4, TCE was detected at exceedance concentrations from 5.7 ug/L to 7.9 ug/L in the Great Triangle Area (PZ-5 and PZ-6D) and Luminite

Area (PZ-55D). PZ-45D, in the Whig Street Area, contained TCE below its comparison screening criterion, while samples from piezometers PZ-39 (also Whig Street Area) and PZ-46 (Luminite Area) did not indicate detectable levels of TCE at all (see Table 3-4).

3.3.2 Monitored Natural Attenuation/Water Quality Parameters

During the October 2006 sampling event, and previously in 2003, monitoring wells and piezometers around the study area were sampled for MNA/water quality (WQ) parameters. Detected concentrations for these constituents are shown in Tables 3-2, 3-3, and 3-4. Four of those parameters have comparison screening criteria values (i.e., chloride, nitrate, sulfate, and sulfide); see Table 3-1. None of the October 2006 samples contained exceedance concentrations. Sulfate was detected at 350 mg/L, which is above its criterion, in December 2003 from a sample collected from PZ-39, in the Whig Street Area (see Table 3-4).

Further discussion of the MNA/WQ parameters, as they relate to the assessment of the degradation of VOCs, is presented in Section 5.1.1.

4.0 RESIDENTIAL WELL SAMPLING

Sampling of the residential wells in the vicinity of the Site has been performed by others from 1989 through 1996 (prior to installation of the treatment systems) and then generally yearly thereafter. In 2002, NYSDEC became the lead agency responsible for the sampling, and the most current rounds have been conducted by Earth Tech Northeast, Inc., a subcontractor to the NYSDEC Division of Environmental Remediation (Earth Tech, 2005; 2006a; 2006b). Appendix A contains a summary of the results of residential well sampling from 1989 through October 2006.

Table 4-1 presents summary statistics for the post-installation sampling events (i.e., 1997 and on), which are also graphed on Figure 4-1 for illustration purposes. Although the number of sampled locations has stayed relatively constant, the number of wells with exceedances has decreased from over 90 percent in 1997 to 60 percent in the most current round (2006), and has even been as low as about 44 percent in 2004. The maximum concentration of TCE detected during the sampling events has remained fairly consistent (i.e., between 18.5 ug/L and 30 ug/L). The median and average values have decreased slightly with time until 2001/2002, after which they have become relatively stable in concentration.

5.0 CONTAMINANT TRENDS AND PROGRESS OF MNA

5.1 Contaminant Trends

5.1.1 Reductive Dechlorination

The data obtained during the October 2006 groundwater sampling events for monitoring wells/piezometers and residential wells were reviewed to assess the potential for degradation of VOCs at the Site via reductive dechlorination. EPA's Technical Protocol (EPA, 1998) was used as a basis for much of the following assessment.

Oxygen

Anaerobic bacteria generally cannot function at dissolved oxygen concentrations above 0.5 mg/L, and reductive dechlorination will not occur (EPA, 1998). As indicated in Table 2-1, DO measurements at the Site ranged from 1.05 mg/L to 10.89 mg/L, which are not conducive to anaerobic biodegradation.

Nitrate

After dissolved oxygen has been depleted, nitrate may be used as an electron acceptor for the biodegradation of organic compounds via denitrification. Areas of depressed nitrate concentrations within a groundwater plume may indicate biodegradation via nitrate reduction, while the presence of nitrate in groundwater can indicate a fairly aerobic environment. As stated in EPA, 1998, nitrate concentrations in the contaminant plume should be less than 1 mg/L for reductive dechlorination to occur. Nitrate concentrations ranged from 0.34 mg/L (conductive) to 2.7 mg/L (not conducive).

Ferrous Iron

After nitrate, iron (III) may be used as an electron acceptor during anaerobic biodegradation, reducing the analyte to iron (II). Ferrous iron [iron (II)] concentrations were present in seven monitoring wells/piezometers between 0.06 mg/L and 0.32 mg/L.

Sulfate/Sulfide

After dissolved oxygen and nitrate depletion, sulfate may be used as an electron acceptor for anaerobic biodegradation (EPA, 1998). This "sulfate reduction" process produces sulfide, and concentrations of sulfide greater than 1 mg/L indicate a possible reductive pathway. Sulfate and sulfide concentrations ranged up to 27 mg/L and 0.03 mg/L, respectively.

Methane/Ethane/Ethene

EPA, 1998 states that methanogenesis (the reduction of carbon dioxide to methane) generally occurs after oxygen, nitrate, and sulfate have been depleted, and therefore, the presence of methane in groundwater is indicative of "strongly reducing conditions." Two locations, BIA MW-2 and BIA MW-6 in the Bush Industries Area, contained relatively low concentrations of methane in the 2006 event (0.11 J mg/L and 0.082 J mg/L, respectively).

Chloride is released as a breakdown product during the biodegradation of chlorinated compounds. Chloride ions do not typically enter into oxidation-reduction reactions, form no important soluble complexes, do not form salts of low solubility, are not significantly adsorbed on mineral surfaces, and play few vital biochemical roles (EPA, 1998). As a result, significant increases in chloride concentrations relative to background (i.e., two times) may indicate the biodegradation of chlorinated compounds. Road salting also serves as a common, localized source of chloride to aquifer systems. Well BIAMW-5, which is considered upgradient of the elevated TCE concentrations at the Bush Industries Area, was used as "background" for comparison of the chloride values. PZ-39 (Whig Street Area) was an order of magnitude higher in concentration (130 mg/L versus 11 mg/L at BIAMW-5). Other wells/piezometers with chloride values greater than twice the

Chloride

Metabolic activity of bacteria is affected by the pH and temperature of the groundwater. The optimal values for these parameters for reductive biodegradation is a pH between 6 to 8 and a temperature greater than 20°C. All of the wells in the Bush Industries Area had pHs in this optimum range, as did the piezometers in the Whig Street and Luminite Areas. In comparison, a majority of the monitoring wells in the Cattaraugus Cutlery and Great Triangle Areas had pH values approximately equal to or greater than 8. Values of water temperature during the 2006 sampling event were between 9.66°C and 16.65°C, with the highest values in samples collected from wells BIAMW-2 and BIAMW-D1 (Bush Industries Area).

pH and Temperature

The oxidation-reduction potential of groundwater is a relative measure of electron activity, and can influence rates of biodegradation. At less than 50 millivolts (mV), the reductive pathway is possible, and becomes more likely below -100 mV (EPA, 1998). Half of the sampled wells had ORP values at less than 50 mV, as shown in Table 2-1. There were no locations, though, where ORP was below the -100 mV level.

Oxidation-Reduction Potential

Zones of microbial activity are typically identified by an increase in alkalinity, resulting from increased concentrations of carbon dioxide produced by the metabolism of microorganisms. According to EPA, 1998, a two-fold increase in alkalinity values over background numbers suggests biodegradation may be occurring. The minimum value for alkalinity (70 mg/L) was present in the sample from well BIAMW-5, which is considered upgradient of the elevated TCE concentrations at the Bush Industries Area. Well BIAMW-5, therefore, was used as "background" for comparison. Samples from the following wells had concentrations more than twice the value in BIAMW-5: BIAMW-2, BIAMW-3 and BIAMW-D1 in the Bush Industries Area; MWCCA-1, MWCCA-3, MWCCA-5, MWCCA-7, MWCCA-12, and PZ-20D in the Cattaraugus Cutlery Area; PZ-5 and PZ-6 in the Great Triangle Area; and PZ-55D in the Luminite Area.

Alkalinity

BIAIW-5 background level included BIAIW-2, BIAIW-3, BIAIW-D1, BIAIW-D2, PZ-20D, PZ-5, PZ-6D, and PZ-55D (range: 26 to 78 mg/L).

Total Organic Carbon

The presence of natural or anthropogenic organic carbon can facilitate dechlorination, by acting as a carbon and energy source for aerobic microorganisms (which during aerobic respiration decrease dissolved oxygen levels, creating a reducing environment and increasing the potential for anaerobic bacteria to function). EPA, 1998 states that a TOC concentration of 20 mg/L is most favorable to dechlorination. During the 2006 sampling event, there were three locations where TOC was detected, and the concentrations were close to or above 20 mg/L: 26 mg/L (BIAIW-3 in the Bush Industries Area), 39 mg/L (MWCCA-8 in the Cattaraugus Cutlery Area), and 19 mg/L (PZ-5 in the Great Triangle Area).

Daughter Products

Transformation of TCE via reduction dechlorination produces daughter products such as 1,1-DCE, 1,2-DCE (cis- and/or trans-), and vinyl chloride. These constituents were mainly detected, and at their most elevated concentrations, in the Bush Industries Area (see Section 3.3.1). Very low levels (i.e., up to 0.36 ug/L) were also noted in the Cattaraugus Cutlery and Great Triangle Areas. The presence of these daughter products in the Bush Industries Area, and to a much lesser extent, the Cattaraugus Cutlery and Great Triangle Areas, indicates that some dechlorination is occurring. Further downgradient areas showed no detectable concentrations of daughter products.

5.1.2 Statistical Trend Analysis

Statistical trend analysis was performed for eight of the monitoring wells/piezometers sampled during the MNA program. These eight locations (BIAIW-2, BIAIW-3, BIAIW-5, BIAIW-D1, and BIAIW-D2 in the Bush Industries Area and MWCCA-2, MWCCA-3, and MWCCA-6 in the Cattaraugus Cutlery Area) were the only ones of the 24 wells that had sufficient data rounds for the calculation. In addition, 12 residential wells were selected from the properties with treatment systems, distributed across the valley.

The trend analysis was performed for TCE and, where possible, for 1,2-DCE (either analyzed as total or as the cis- and trans- isomers and then summed) and vinyl chloride, using the Mann-Kendall Statistical Test at the 80 percent and 90 percent confidence interval (80% CI and 90% CI, respectively). When no statistically significant trend was identified, a test for stability at the 80% CI was also conducted. For a compound that was not detected in a given well sample, one-half the lowest SQL (across all sampling rounds) was used in the calculations. When a duplicate sample was collected, the average of the original field sample and the duplicate concentrations was utilized in the Mann-Kendall Statistical Test.

Appendix D presents tables and graphs displaying the data used in, and the results of, the Mann-Kendall Statistical Tests. A summary of the trend results is provided in Table 5-1.

These natural attenuation mechanisms, and the installation of a soil source remedy at the Cattaraugus Cutlery property (see Section 1.2.2), are likely contributing to the general stability at the Bush Industries Area and to the general contaminant concentration reduction of the plume beyond the Bush Industries Area.

Typically, reductive dechlorination is the predominant degradation mechanism for TCE. Characterization of the current groundwater quality seems to indicate an environment not readily conducive to biodegradation by reductive dechlorination (for example, high dissolved oxygen concentrations). However, daughter products detected within the plume, specifically in the Bush Industries Area, appear to indicate that limited degradation of TCE is occurring in select site locations. Other natural attenuation mechanisms, such as biodegradation by cometabolism, dilution, dispersion, and/or adsorption, may also be occurring. During cometabolism, the chlorinated hydrocarbon is indirectly transformed (biodegraded) by an enzyme or cofactor produced by a bacterial organism as it uses another substrate (such as benzene, which has been detected at low concentrations in Site groundwater) to meet energy requirements. There is no benefit to the organism from the degradation of the chlorinated compound.

As indicated on Figure 1-1, TCE concentrations are generally lower in the southern downgradient portion of the plume (i.e., nearer the border with Salamanca) in comparison to the northern portion of the Site (i.e., Bush Industries, Cattaraugus Cutlery and/or Great Triangle Areas). For individual wells/piezometers, analysis of the Mann-Kendall Statistical Test results indicates either a decreasing or stable trend in concentration. In addition, the number of residential wells with sample concentrations exceeding screening criteria has decreased from over 90 percent in 1997 to 60 percent in the most current round (October 2006).

5.2 Progress of MNA

Of the 20 monitoring and residential wells selected for Mann-Kendall statistical analysis, none of the wells showed a statistically increasing trend for the selected VOC concentrations. The remaining 6 test results (or 30 percent) indicated no significant trend for a given compound in a specific well (Table 5-1). Of these, only TCE in MWCCA-6 was determined to be non-stable at the 80% CI.

For those compounds and wells for which Mann-Kendall Statistical Tests could be run, 70 percent (or 14 of 20) demonstrated a statistically significant decreasing trend at either the 80% CI or 90% CI. As shown in Table 5-1, TCE is decreasing in monitoring wells B1AMW-2 (Bush Industries Area), MWCCA-2 (Cattaraugus Cutlery Area), and MWCCA-3 (Cattaraugus Cutlery Area), and in ten of the residential wells (IDs 13, 40, 104, 107, 120, 157, 166, 174, 178, and 184). Cattaraugus Cutlery Area well MWCCA-6 contained a 80% CI decreasing trend for 1,2-DCE.

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TABLE 2-1
Well Purge Parameters - October 2006 Sampling Event
Little Valley Superfund Site

Well I.D.	Depth to Water (ft TIC)	Flow Rate (mL/min)	pH (SU)	Cond. (mS/cm)	Turb (NTU)	DO (mg/L)	ORP (mV)	Temp (°C)	TDS (g/mL)
BIAW-2	37.61	200	7.66	0.52	0.0	1.05	26	16.19	0.33
BIAW-3	48.88	250	7.84	0.75	0.0	10.89	67	14.98	0.48
BIAW-5	8.84	200	7.11	0.18	0.0	2.38	109	12.27	0.12
BIAW-6	3.88	300	6.93	0.247	0.0	2.45	-74	10.75	0.16
BIAW-D1	45.70	200	7.00	0.699	0.0	7.25	44	16.65	0.45
BIAW-D2	34.27	300	7.72	0.405	36.1	1.72	-30	13.27	0.26
MWCA-1	27.83	400	8.75	0.430	46.4	4.69	50	9.96	0.28
MWCA-2	22.42	250	11.94	0.295	6.1	2.73	-28	11.98	0.19
MWCA-3	28.03	200.00	8.07	0.480	45.4	3.58	66	9.66	0.31
MWCA-5	24.79	200.00	7.82	0.39	38	4.38	46	11.2	0.28
MWCA-6	24.8	300	8.94	0.361	0.0	2.98	51	11.02	0.23
MWCA-7	25.04	300.00	7.99	0.269	11.0	5.23	66	11.01	0.17
MWCA-8	25.87	250.00	8.48	0.243	4.2	3.11	23.0	9.70	0.16
MWCA-9D	24.79	300	7.97	0.34	6.7	2.55	53.0	9.8	0.22
MWCA-10	24.45	310	8.53	0.360	0.0	4.33	39	11.01	0.23
MWCA-11D	26.63	210	8.59	0.405	19.4	2.02	12	10.07	0.26
MWCA-12	28.06	250	7.62	0.39	15.3	8.47	102	11.3	0.25
PZ-5	26.09	250	8.50	0.53	44.3	9.32	24	12.77	0.34
PZ-6D	25.55	300.00	8.64	0.512	23.0	7.64	32.0	10.69	0.33
PZ-20D	26.16	300.00	7.84	0.40	25.3	7.04	98.0	11.82	0.26
PZ-39	5.31	250	6.99	0.769	0.0	7.90	25	12.08	0.49
PZ-45D	45.29	200	7.67	0.28		5.50	85.0	13.17	0.18
PZ-46	17.62	200	6.88	0.20	0.0	6.50	62	12.18	0.13
PZ-55D	17.73	300	7.97	0.350	255.0	5.88	80	10.85	0.23

**TABLE 3-1 (Sheet 1 of 2)
Comparison Criteria for Detected Constituents in Groundwater
Little Valley Superfund Site**

STATE	NYSDEC Water Quality Values [Class GA]	EPA Maximum Contaminant Level	BASIS FOR CRITERIA	HUMAN HEALTH
			Volatile Organics (ug/L)	
5		200	1,1,2-Trichloroethane	
5		7	1,1-Dichloroethene	
5		NC	1,2,3-Trichlorobenzene	
5		70	1,2,4-Trichlorobenzene	
3		600	1,2-Dichlorobenzene	
0.6		5	1,2-Dichloroethane	
5		70 *	1,2-Dichloroethene (total)	
5		70	cis-1,2-Dichloroethene	
5		100	trans-1,2-Dichloroethene	
1		5	1,2-Dichloropropane	
3		NC	1,3-Dichlorobenzene	
3		75	1,4-Dichlorobenzene	
50		NC	2-Hexanone	
50		NC	Acetone	
1		5	Benzene	
60		NC	Carbon disulfide	
5		100	Chlorobenzene	
5		NC	Chloroethane	
NC		NC	Cyclohexane	
5		700	Ethylbenzene	
5		NC	Methyl chloride (Chloromethane)	
50		NC	Methyl ethyl ketone (2-Butanone)	
NC		NC	Methyl isobutyl ketone (4-Methyl-2-pentanone)	
NC		NC	Methylcyclohexane	
5		100	Styrene	
5		5	Tetrachloroethene	
5		1000	Toluene	
5		5	Trichloroethene	
5		10000 **	m/p-Xylene	
5		10000	Xylenes (total)	

**TABLE 3-1 (Sheet 2 of 2)
Comparison Criteria for Detected Constituents in Groundwater
Little Valley Superfund Site**

STATE	NYSDEC Water Quality Values [Class GA]	BASIS FOR CRITERIA	HUMAN HEALTH
		EPA Maximum Contaminant Level	
Water Quality/Natural Attenuation Parameters (mg/L)			
Alkalinity	NC	NC	NC
Chloride	250	250***	NC
Ferrous Iron	NC	NC	NC
Methane	NC	NC	NC
Nitrate	10	10	NC
Sulfate	250	250***	NC
Sulfide	0.05	NC	NC
TOC	NC	NC	NC

Notes:
 * Indicates EPA criterion provided for 1,2-dichloroethene (total) is the most conservative criteria value for the cis- and trans- isomers.
 ** Indicates EPA criterion provided for m/p-Xylene is the criteria value for Xylenes (total).
 *** Indicates EPA criterion value is a secondary drinking water regulation criterion.
 NC indicates no criteria available.

References:
 EPA Criteria from 2004 Edition of the Drinking Water Standards and Health Advisories. EPA 822-R-04-005, Winter 2004.
 NYSDEC Values are from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998; Errata Sheet for the June 1998 Technical and Operational Guidance Series Number 1.1.1, January 1999; and April 2000 Addendum to the June 1998 Technical and Operational Guidance Series Number 1.1.1, April 2000.

TABLE 3-2 (Sheet 1 of 2)
 Summary of Detected Groundwater Constituents in MNA Wells from Bush Industries Area
 Little Valley Superfund Site

Well	BIAW-2				BIAW-3				BIAW-5						
	05/05/1999	12/14/1999	12/14/1999	01/10/2001	12/11/2003	10/31/2006	10/31/2006	05/05/1999	01/09/2001	12/10/2003	10/30/2006	05/05/1999	12/13/1999	01/04/2001	10/30/2006
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	1 J	0.7 J	0.7 J	0.63	0.8	0.89	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	NA	NA	NA	NA	0.16 J	0.12 J	NA	NA	NA	NA	0.12 J	NA	NA	NA	0.23 J
Benzene	0.7 J	0.4 J	0.4 J	0.32 J	--	--	0.091 J	0.12 J	0.12 J	0.12 J	0.12 J	0.12 J	0.12 J	0.12 J	0.23 J
Chloroethane	0.8 J	--	--	--	0.19 J	0.23 J	0.23 J	0.23 J	0.23 J	0.23 J	0.23 J	0.23 J	0.23 J	0.23 J	0.13 J
1,2-Dichloroethene	54	51	40	42	NA	NA	NA	NA	2 J	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	44	40 D	45 D	46 D	NA	2.2	0.36 J	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	0.49 J	0.51	0.49 J	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	--	--	--	--	--	0.25 J	--	--	--	--	--	--	--	--	0.13 J
Isopropylbenzene	NA	NA	NA	NA	NA	0.14 J	--	--	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	230	190	84	87	110	36 D	58 D	58 D	5 J	8	6.3	2.2	--	--	--
Vinyl chloride	4 J	2 J	1 J	1 J	--	4.8	4	4.8	--	--	--	--	--	--	--
m/p-Xylene	NA	NA	NA	NA	NA	NA	0.1 J	--	NA	NA	NA	NA	NA	NA	NA
MNA/Water Quality Parameters (mg/L)	NA	NA	NA	NA	NA	NA	180	190	180	NA	NA	NA	NA	NA	70
Alkalinity (as CaCO3)	NA	NA	NA	NA	NA	NA	26	26	180	NA	NA	NA	NA	NA	11
Chloride	NA	NA	NA	NA	NA	NA	19	19	NA	NA	NA	NA	NA	NA	78
Ferrous Iron	NA	NA	NA	NA	NA	NA	0.17	0.14	NA	NA	NA	NA	NA	NA	0.18
Methane	NA	NA	NA	NA	NA	NA	0.046 J	0.11 J	0.54 JD	0.07 JN	0.07 JN	0.07 JN	0.07 JN	0.07 JN	--
Nitrate	NA	NA	NA	NA	NA	NA	--	--	--	1.2	1.9	1.9	1.9	1.9	0.73
Sulfate	NA	NA	NA	NA	NA	NA	16	17	16	17	17	17	17	17	6.7
Sulfide	NA	NA	NA	NA	NA	NA	0.02	0.02	NA	NA	NA	NA	NA	NA	--
TOC	NA	NA	NA	NA	NA	NA	2.6	--	2.6	NA	NA	NA	NA	NA	--

Notes:
 -- Not detected.
 J Estimated concentration.
 D Value derived from dilution analysis.
 N Evidence exists for constituent presence.
 NA Not analyzed.
 Exceeds human health-based values.
 Exceeds state values.
 Exceeds both of the above values.

TABLE 3-2 (Sheet 2 of 2)
 Summary of Detected Groundwater Constituents in MNA Wells from Bush Industries Area
 Little Valley Superfund Site

Well	BIAW-6			BIAW-D1			BIAW-D2					
	12/13/1999	01/10/2001	10/30/2006	05/05/1999	12/13/1999	01/10/2001	12/10/2003	10/31/2006	05/05/1999	12/14/1999	01/10/2001	Duplicate
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	1 J	--	--	0.4 J	--	--	--
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	2 J	--	--	NA	NA	--	--
Benzene	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	--	--	0.11 J	--	--	--	--	--	--	--	--	0.11 J
1,2-Dichloroethene	30	NA	6 J	4 J	NA	58	NA	NA	16	NA	NA	NA
cis-1,2-Dichloroethene	NA	44	35 D	NA	NA	8	4.8	0.42 J	NA	NA	36	18 D
trans-1,2-Dichloroethene	NA	--	0.48 J	NA	NA	--	--	0.55	NA	NA	--	0.71
Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NA	NA	--	NA	NA	NA	NA	--	NA	NA	NA	--
Trichloroethene	17	37	19	11	9 J	18	12	1.8	160	58	140	78 D
Vinyl chloride	4 J	--	--	--	--	--	--	0.16 J	--	--	--	--
m/p-Xylene	NA	NA	--	NA	NA	NA	NA	--	NA	NA	NA	NA
MNA/Water Quality Parameters (mg/L)	NA	NA	88	NA	NA	190	200		NA	NA	NA	130
Alkalinity (as CaCO3)	NA	NA	13	NA	NA	42	55		NA	NA	NA	22
Chloride	NA	NA	13	NA	NA	42	55		NA	NA	NA	22
Ferrous Iron	NA	NA	--	NA	NA	--	--		NA	NA	NA	--
Methane	NA	NA	0.082 J	NA	NA	0.06 J N	--		NA	NA	NA	0.07 J N
Nitrate	NA	NA	--	NA	NA	1.4	2.7		NA	NA	NA	0.29
Sulfate	NA	NA	11	NA	NA	13	11		NA	NA	NA	15
Sulfide	NA	NA	--	NA	NA	NA	--		NA	NA	NA	NA
TOC	NA	NA	--	NA	NA	NA	--		NA	NA	NA	2.4

Notes:
 -- Not detected.
 J Estimated concentration.
 D Value derived from dilution analysis.
 N Evidence exists for constituent presence.
 NA Not analyzed.
 Exceeds human health-based values.
 Exceeds state values.
 Exceeds both of the above values.

**TABLE 3-3 (Sheet 1 of 3)
 Summary of Detected Groundwater Constituents in MNA Wells from Cattaraugus Cutlery Area
 Little Valley Superfund Site**

Constituent	MWCCA-1			MWCCA-2				MWCCA-3				
	07/16/1998	07/30/1998	10/25/2006	07/27/1998	07/30/1998	10/13/1999	10/27/1999	12/03/2003	10/31/2006	07/16/1998	07/30/1998	12/02/2003
Volatile Organics (ug/L)												
1,2-Dichloroethane	--	--	--	--	--	--	0.4 J	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	--	R	R	R	R	29 J	--	--	--	14 J	--	--
Benzene	--	--	0.13 J	--	--	--	--	--	--	0.5 J	0.4 J	--
Carbon disulfide	--	--	--	--	--	--	--	--	--	--	--	0.054 J
cis-1,2-Dichloroethene	0.2 J	0.2 J	0.5 J	0.19 J	--	--	--	--	--	2	3	3.7
Cyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--
Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Methyl chloride	--	4 J	--	--	--	0.7 J	--	--	--	--	--	--
Methyl ethylketone	--	R	--	--	R	8 J	R	--	--	R	--	--
Tetrachloroethene	--	--	--	--	0.3 J	0.3 J	0.3 J	0.28 J	0.2 J	1	--	0.34 J
Toluene	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	--	--	--	--	--	--	0.058 J	--	--	--	--
Trichloroethene	3	3	7	5	12	8	3	9.8	9.6	71 D	67 D	58 D
Vinyl chloride	--	--	--	--	--	--	--	--	0.14 J	--	--	--
MNA/Water Quality Parameters (mg/L)												
Alkalinity (as CaCO3)	NA	NA	160	NA	NA	NA	NA	130 J	72	NA	NA	160
Chloride	NA	NA	21	NA	NA	NA	NA	12	17	NA	NA	18
Ferrous Iron	NA	NA	0.15	NA	NA	NA	NA	--	--	NA	NA	--
Methane	NA	NA	--	NA	NA	NA	NA	0.07 JN	--	NA	NA	0.07 JN
Nitrate	NA	NA	1.1	NA	NA	NA	NA	0.5	0.66	NA	NA	0.51
Sulfate	NA	NA	14	NA	NA	NA	NA	20	12	NA	NA	19
TOC	NA	NA	--	NA	NA	NA	NA	--	--	NA	NA	--

Notes:
 -- Not detected.
 J Estimated concentration.
 L Estimated (biased low) concentration.
 D Value derived from dilution analysis.
 N Evidence exists for constituent presence.
 R Data rejected (unusable) after validation.
 NA Not analyzed.
 Exceeds human health-based values.
 Exceeds state values.
 Exceeds both of the above values.

**TABLE 3-3 (Sheet 2 of 3)
Summary of Detected Groundwater Constituents in MNA Wells from Cattaraugus Cutlery Area
Little Valley Superfund Site**

Constituent	MWCCA-5			MWCCA-6			MWCCA-7		
	10/12/1999	10/12/1999 Duplicate	10/26/1999	10/13/1999	10/26/1999 Duplicate	12/01/2003	10/24/2006 Duplicate	10/13/1999	10/25/2006
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--	--
Acetone	--	R	--	8 J	--	--	--	13 J	R
Benzene	--	--	1.6	--	--	--	--	--	--
Carbon disulfide	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	--	--	0.5 J	2	2	--	--	--
Cyclohexane	NA	NA	--	NA	NA	NA	--	NA	NA
Ethylbenzene	--	--	0.24 J	--	--	--	--	--	--
Methyl chloride	--	0.5 J	--	0.9 J	--	--	--	--	--
Methyl ethylketone	R	R	--	R	R	R	--	R	--
Tetrachloroethene	--	--	0.15 J	1	3	2	--	--	--
Toluene	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	--	--	--	--	--	0.18 J	--	0.065 J
Trichloroethene	3	2	1	28 D	62 D	62 D	0.22 J	0.36 J	0.1 J
Vinyl chloride	--	--	--	--	--	--	--	--	--
MNA/Water Quality Parameters (mg/L)	NA	NA	150	NA	NA	NA	130	130	160
Alkalinity (as CaCO3)	NA	NA	21	NA	NA	NA	14	4.8	16
Chloride	NA	NA	0.15	NA	NA	NA	--	--	--
Ferrous Iron	NA	NA	--	NA	NA	NA	0.03 JN	--	--
Methane	NA	NA	--	NA	NA	NA	0.59	0.59	0.81
Nitrate	NA	NA	0.82	NA	NA	NA	5.1 L	14	13
Sulfate	NA	NA	14	NA	NA	NA	--	--	--
TOC	NA	NA	--	NA	NA	NA	1.3	--	--

Notes:
-- Not detected.

J Estimated concentration.

L Estimated (biased low) concentration.

D Value derived from dilution analysis.

N Evidence exists for constituent presence.

R Data rejected (unusable) after validation.

NA Not analyzed.

Exceeds human health-based values.

Exceeds state values.

Exceeds both of the above values.

**TABLE 3-3 (Sheet 3 of 3)
Summary of Detected Groundwater Constituents in MNA Wells from Cattaraugus Cutlery Area
Little Valley Superfund Site**

Well	Volatiles Organics (ug/L)											
	01/10/2001	10/25/2006	11/18/2003	10/24/2006	11/12/2003	10/24/2006	11/18/2003	10/23/2006	11/12/2003	11/12/2003	10/23/2006	10/31/2006
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	0.077 J
Acetone	R	--	1.1	--	1.2	--	--	--	--	1.2	--	--
Benzene	--	--	--	0.76	--	--	--	--	--	--	--	--
Carbon disulfide	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	NA	0.16 J	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Methyl chloride	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethylketone	R	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	0.19 J	0.2 J	--	--	--	0.17 J	--	--
Toluene	--	--	--	--	--	--	--	1.1	--	--	--	--
trans-1,2-Dichloroethene	--	0.44 J	--	--	0.62	0.39 J	--	--	0.83	--	--	--
Trichloroethene	--	--	1.4	1.9	7.1	7.2	--	--	--	0.11 J	--	--
Vinyl chloride	--	--	--	--	--	--	--	--	--	--	--	--
MNA/Water Quality Parameters (mg/L)												
Alkalinity (as CaCO3)	NA	140	NA	130	140	140	NA	NA	140	NA	160	150
Chloride	NA	19	NA	17	15	15	NA	NA	20	NA	17	29
Ferrous Iron	NA	--	NA	--	--	--	NA	NA	--	NA	--	0.063
Methane	NA	--	NA	--	--	--	NA	NA	--	NA	--	--
Nitrate	NA	0.83	NA	0.57	0.63	0.64	NA	NA	0.81	NA	1.5	1.6
Sulfate	NA	13	NA	14	14	14	NA	NA	14	NA	15	12
TOC	NA	39	NA	--	--	--	NA	NA	--	NA	--	--

Notes:
 -- Not detected.
 J Estimated concentration.
 L Estimated (biased low) concentration.
 D Value derived from dilution analysis.
 N Evidence exists for constituent presence.
 R Data rejected (unsuitable) after validation.
 NA Not analyzed.
 Exceeds human health-based values.
 Exceeds state values.
 Exceeds both of the above values.

**TABLE 3-4
Summary of Detected Groundwater Constituents in MNA Wells from Great Triangle Area, Whig Street Area, and Luminite Area
Little Valley Superfund Site**

Constituent	Great Triangle Area			Whig Street Area			Luminite Area		
	PZ-5		PZ-6D	PZ-39		PZ-45D	PZ-46		PZ-55D
	12/1/2003	10/26/2006	11/1/2006	12/4/2003	11/1/2006	12/4/2003	11/1/2006	12/8/2003	10/26/2006
Carbon disulfide	--	--	--	--	--	--	0.059 J	--	--
Chloroethane	--	--	--	--	--	--	--	0.13 J	--
cis-1,2-Dichloroethene	--	0.05 J	--	--	--	--	--	--	--
Cyclohexane	--	--	0.12 J	--	--	--	--	--	--
Ethylbenzene	--	--	--	--	--	--	--	--	R 0.16 J
Isopropylbenzene	--	--	--	--	--	--	--	--	0.098 J
Methylcyclohexane	--	--	0.2 J	--	--	--	--	--	--
Tetrachloroethene	--	0.12 J	0.14 J	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.067 J	0.089 J	--	0.086 J	--	--	0.097 J	--
Trichloroethene	6.6	6.8	7.9	--	2.1	2.7	0.15 J	--	4.4 J
Vinyl chloride	--	--	--	--	--	--	--	--	--
MNA/Water Quality Parameters (mg/L)	170	160	150	150	120	6300 J	96	68	75
Alkalinity (as CaCO3)	14	49	12	48	19	16	13	17	6.2
Chloride	14	49	12	48	19	130	13	17	39
Ferrous Iron	--	--	0.32	--	--	--	--	--	--
Methane	0.06 JN	--	0.07 JN	--	0.06 JN	--	--	0.07 JN	0.04 JN
Nitrate	1.6	1.4	1.1	1.2	2.4	0.06	0.4	1.3	0.81
Sulfate	39	14	37	12	350	29	4	9	6.6
Sulfide	NA	--	NA	0.027	NA	NA	0.028	NA	--
TOC	--	19	--	--	3.2	--	9.2 J	--	1.9

Notes:

- Not detected.
- J Estimated concentration.
- D Value derived from dilution analysis.
- N Evidence exists for constituent presence.
- NA Not analyzed.

Exceeds human health-based values.

Exceeds state values.

Exceeds both of the above values.

**TABLE 4-1
 Summary of Statistical Calculations for Residential Wells with Treatment Systems
 Little Valley Superfund Site**

Sampling Event	Number of Sampled Wells	Number of Wells with Detected TCE Concentrations	Number of Wells with TCE Concentrations Exceeding the MCL of 5 ppb	Number of Wells with TCE Concentrations Exceeding the MCL of 5 ppb	Percentage of Wells with TCE Concentrations Exceeding the MCL	Minimum Detected TCE Concentration (ppb)	Maximum Detected TCE Concentration (ppb)	Median TCE Concentration (ppb)	Average TCE Concentration (Arithmetic Mean) (ppb)
January 1997	88	86	82	93.2%	1.49	25.1	9.5	10.1	
November 1997	77	74	66	85.7%	2.7	28.8	8.7	9.3	
October 1998 / February 1999	90	88	71	78.9%	1.1	30	7.9	9.2	
March 2001	75	72	59	78.7%	0.67	18.5	7.2	7.4	
October 2002	87	84	62	71.3%	1	21	7.0	7.2	
October 2003	85	80	56	65.9%	0.3 f	24	6.0	7.1	
October 2004	89	88	39	43.8%	0.4 f	22	5.0	5.9	
October 2005	90	89	57	63.3%	0.5 f	24	6.0	7.2	
October 2006	90	89	54	60.0%	0.1 f	22	6.0	7.0	

Notes: Data results for the residential well sampling are provided in Appendix A. Calculations were performed for the pre-treatment sampling results from wells with treatment systems (Table A-1). The May 1999 sampling event was not utilized during these statistical calculations as it was not a comprehensive round of sampling (i.e., only five wells were sampled at that time). The median and average concentrations were calculated using all of the results for the sampling event, with non-detects at 0.5 ppb (one-half of the 1 ppb limit).

TABLE 5-1 (Sheet 1 of 2)
 Summary of Trend Analysis Test Results
 Little Valley Superfund Site

Bush Industries (BIA)												Cattaraugus Cutlery (CCA)						
	BIAMW-2	BIAMW-3	BIAMW-5	BIAMW-6	BIAMW-D1	BIAMW-D2	MWCCA-1	MWCCA-2	MWCCA-3	MWCCA-5	MWCCA-6	MWCCA-7	MWCCA-8	MWCCA-9D	MWCCA-10	MWCCA-11D	MWCCA-12	PZ-20D
Trichloroethene	-	NT-S	NT-S (ND)	NT-S	NT-S	NT-S	NC	-	-	NC	NT-NS	NC	NC	NC	NC	NC	NC	NC
1,2-Dichloroethene (total)	NT-S	NT-S	NT-S (ND)	NT-S	NT-S	NT-S	NC	NT-S	NT-S	NC	NT-S (ND)	NC	NC	NC	NC	NC	NC	NC
Vinyl Chloride	NT-S	NT-S (ND)	NT-S (ND)	NT-S	NT-S	NT-S (ND)	NC	NT-S	NT-S	NC	NT-S (ND)	NC	NC	NC	NC	NC	NC	NC

Notes:

- Decreasing Trend - 90% Confidence Interval

- Decreasing Trend - 80% Confidence Interval

+ Increasing Trend - 90% Confidence Interval

+ Increasing Trend - 80% Confidence Interval

NT-S No Trend - Stable

NT-S (ND) No Trend - Stable as compound not detected in sample location in any of the event rounds.

NT-NS No Trend - Not Stable

NC Trend analysis test unable to be run, as less than four rounds of sampling for well/piezometer.

NA

Not applicable - compound results not provided.

TABLE 5-1 (Sheet 2 of 2)
 Summary of Trend Analysis Test Results
 Little Valley Superfund Site

Residential Wells											Luminite Area		Whig Street Area			Great Triangle Area			Trichloroethene	1,2-Dichloroethene (total)	Vinyl Chloride						
ID 184	ID 174	ID 166	ID 157	ID 120	ID 107	ID 104	ID 65	ID 40	ID 21	ID 13	PZ-55D	PZ-46	PZ-45D	PZ-39	PZ-6D	PZ-5	NC	NC				NC	NC	NC	NC	NC	NC
-	-	-	-	-	-	-	NT-S	-	NT-S	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Notes:

Decreasing Trend - 90% Confidence Interval



Decreasing Trend - 80% Confidence Interval



Increasing Trend - 90% Confidence Interval



Increasing Trend - 80% Confidence Interval



No Trend - Stable



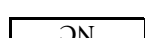
No Trend - Stable as compound not detected in sample location in any of the event rounds.



No Trend - Not Stable



Trend analysis test unable to be run, as less than four rounds of sampling for well/piezometer.



Not applicable - compound results not provided.



- LEGEND:
- A** BUSH INDUSTRIES AREA
 - B** NINTH STREET LANDFILL AREA
 - C** CATTARAUGUS CUTLERY AREA
 - D** KING WINDOWS (SECOND STREET) AREA
 - E** FIRST STREET AREA
 - F** GREAT TRIANGLE AREA
 - G** WHIG STREET AREA
 - H** LUMINITE AREA
 - H1** NORTH LUMINITE
 - H2** LUMINITE PLANT AREA
 - H3** SOUTH LUMINITE
 - I** STATE STREET AREA
 - J** RAILROAD AVENUE AREA
- INCLUDES:
- F1** ENVIROTECH DRUM STORAGE
 - F2** WESTERN BURNT HOUSE
 - F3** WINSHIP CIRCLE/BAKER ROAD
 - F4** TRIANGLE SOUTHWEST
- INCLUDES:
- F1** ENVIROTECH DRUM STORAGE
 - F2** WESTERN BURNT HOUSE
 - F3** WINSHIP CIRCLE/BAKER ROAD
 - F4** TRIANGLE SOUTHWEST
- INCLUDES:
- H1** NORTH LUMINITE
 - H2** LUMINITE PLANT AREA
 - H3** SOUTH LUMINITE
- INCLUDES:
- I** STATE STREET AREA
 - J** RAILROAD AVENUE AREA
- CATTARAUGUS COUNTY DEPARTMENT OF PUBLIC WORKS PROPERTY

GROUNDWATER TCE RESULTS:

- NON-DETECT (ND) TO 5 UG/L
- 5 UG/L TO 10 UG/L
- 10 UG/L TO 93 UG/L

LOCATION LEGEND:

- RESIDENTIAL WELL LOCATION
- PIEZOMETER
- MONITORING WELL

NOTES:

TCE CONCENTRATIONS ARE FROM SAMPLING CONDUCTED IN OCTOBER 2006 (RESIDENTIAL LOCATIONS) OR OCTOBER/NOVEMBER 2006 (MONITORING WELL/PIEZOMETER LOCATIONS).

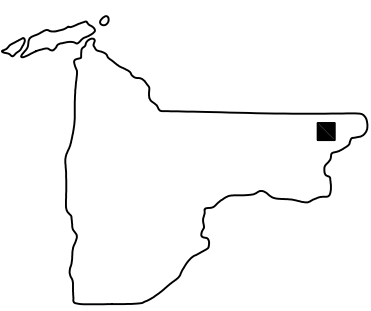
FOR THE RESIDENTIAL WELLS, SAMPLES WERE COLLECTED FROM A PORT LOCATED PRIOR TO THE TREATMENT SYSTEM TRAIN (i.e., PRE-TREATMENT).

RESIDENTIAL SAMPLING LOCATIONS ARE APPROXIMATE (NOT SURVEYED).

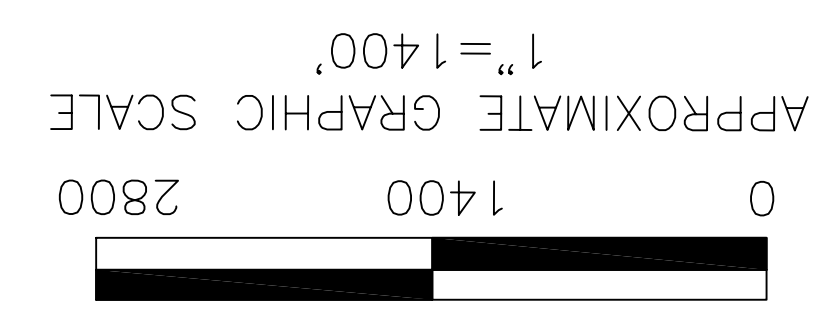
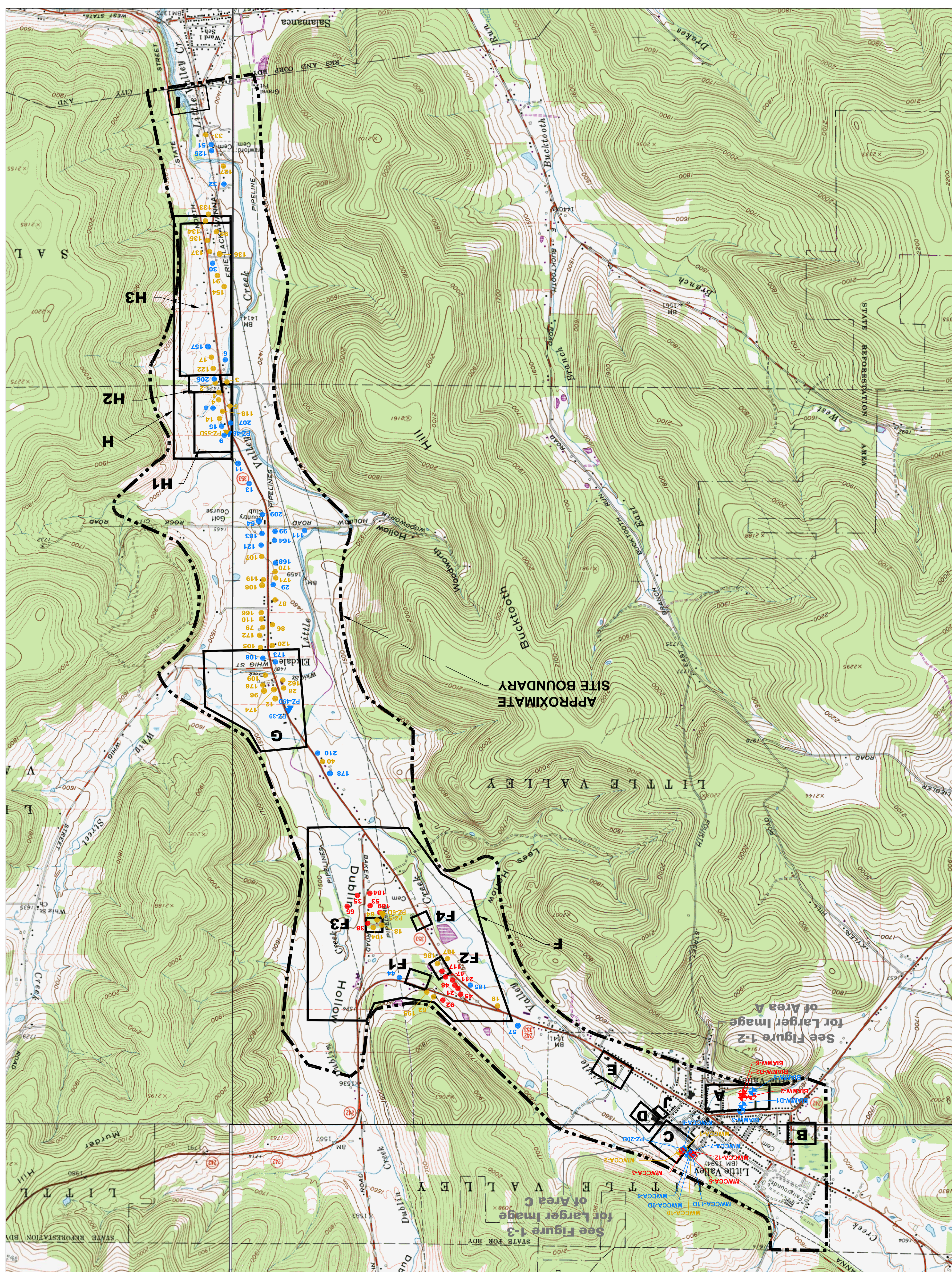
WELL IDENTIFICATION NUMBERS, AS SHOWN ON TABLES A-1 AND A-2 IN APPENDIX A.

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APPROX. QUADRANGLE LOCATIONS



SOURCE: BASE MAP ADAPTED FROM U.S.G.S. LITTLE VALLEY, ELLICOTTVILLE, SALAMANCA, AND CATTARAUGUS NEW YORK QUADRANGLES, 7.5 MINUTE SERIES (TOPOGRAPHIC).



TETRA TECH EC, INC.

LITTLE VALLEY SUPERFUND SITE

LITTLE VALLEY CATTARAUGUS COUNTY, NEW YORK

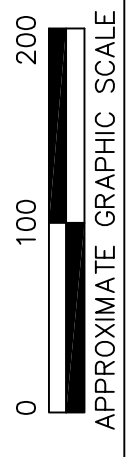
FIGURE 1-1
TCE SAMPLING RESULTS FROM
RESIDENTIAL WELLS, PIEZOMETERS
AND MONITORING WELLS, 2006

LEGEND

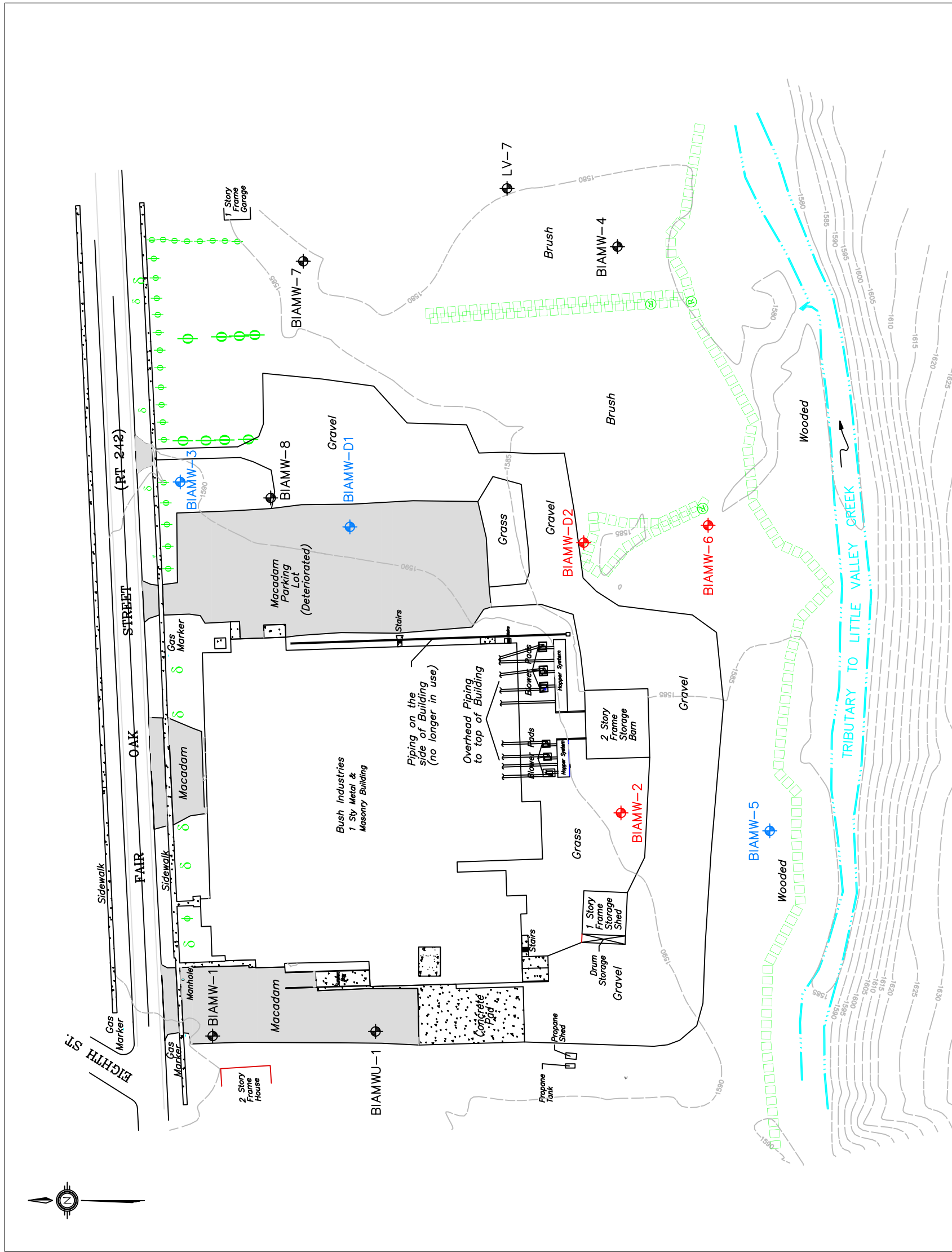
- ψ FIRE HYDRANT
- ϑ LIGHTPOLE
- ξ UTILITY POLE
- ⊕ NOT SAMPLED DURING OCTOBER/NOVEMBER 2006 SAMPLING EVENT
- ⊕ 2006 TCE SAMPLE CONCENTRATION FROM NON-DETECT (ND) TO 5 UG/L
- ⊕ 2006 TCE SAMPLE CONCENTRATION FROM 5 UG/L TO 10 UG/L
- ⊕ 2006 TCE SAMPLE CONCENTRATION FROM 10 UG/L TO 93 UG/L
- δ TREE
- ⊕ PINE TREE
- CREEK BANK
- -1500 APPROX. TOPOGRAPHIC CONTOUR
- □ □ □ WOODS LINE
- MACADAM
- ▨ CONCRETE

NOTES:

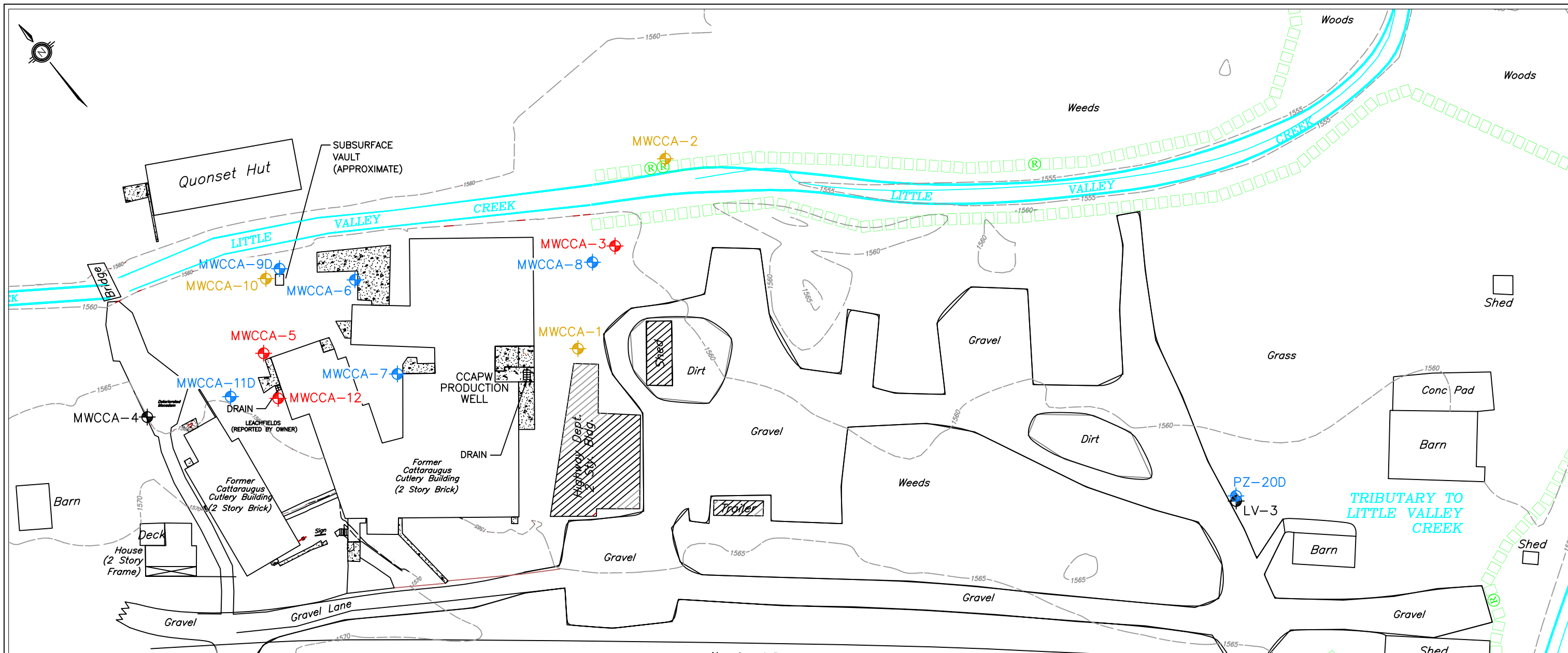
- 1) MONITORING WELLS BIAMW-1 THROUGH BIAMW-7 WERE INSTALLED BY CONESTOGA ROVERS ASSOCIATES (CRA).
- 2) MONITORING WELLS BIAMW-UT, BIAMW-D1 AND BIAMW-D2 WERE INSTALLED BY BUSH INDUSTRIES.
- 3) MONITORING WELLS LV-4 (NOT SHOWN) AND LV-7 WERE INSTALLED BY NYSDEC IN 1992.
- 4) MONITORING WELL BIAMW-8 WAS INSTALLED BY FOSTER WHEELER ENVIRONMENTAL IN DECEMBER 2000.










LITTLE VALLEY SUPERFUND SITE
LITTLE VALLEY CATTARAUGUS COUNTY, NEW YORK
FIGURE 1-2 BUSH INDUSTRIES AREA (BIA) TCE SAMPLING RESULTS, 2006
TETRA TECH EC, INC.

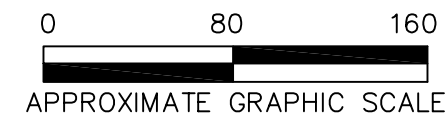


SOURCE:
BASE MAP ADAPTED FROM TOPOGRAPHICAL MAP PREPARED BY VITILLO CORPORATION "TOPOGRAPHIC SURVEY OF BUSH INDUSTRIES SITE"
DATED: 5/3/01 PLAN NUMBER E01003-F1



LEGEND:

-  NOT SAMPLED DURING FALL 2006 SAMPLING EVENT
-  2006 TCE SAMPLE CONCENTRATION FROM NON-DETECT (ND) TO 5 UG/L
-  2006 TCE SAMPLE CONCENTRATION FROM 5 UG/L TO 10 UG/L
-  2006 TCE SAMPLE CONCENTRATION FROM 10 UG/L TO 28 UG/L
-  CONCRETE
-  DEMOLISHED BUILDINGS
-  CREEK BANK
-  APPROX. TOPOGRAPHIC CONTOUR
-  WOODS LINE



BASE MAP ADAPTED FROM TOPOGRAPHICAL MAP
PREPARED BY VITILLO CORPORATION FINAL PLAN
DATED: 11/19/99 REV. 1 PLAN NUMBER R97079-F1

THERE HAVE BEEN SIGNIFICANT CHANGES IN THE 1998 SURVEY AREA THAT ARE NOT SHOWN ON THIS PLAN, CONSISTING OF BUILDING DEMOLITION AND EARTH MOVING ACTIVITIES AS THE COUNTY VACATED THE PREMISES.

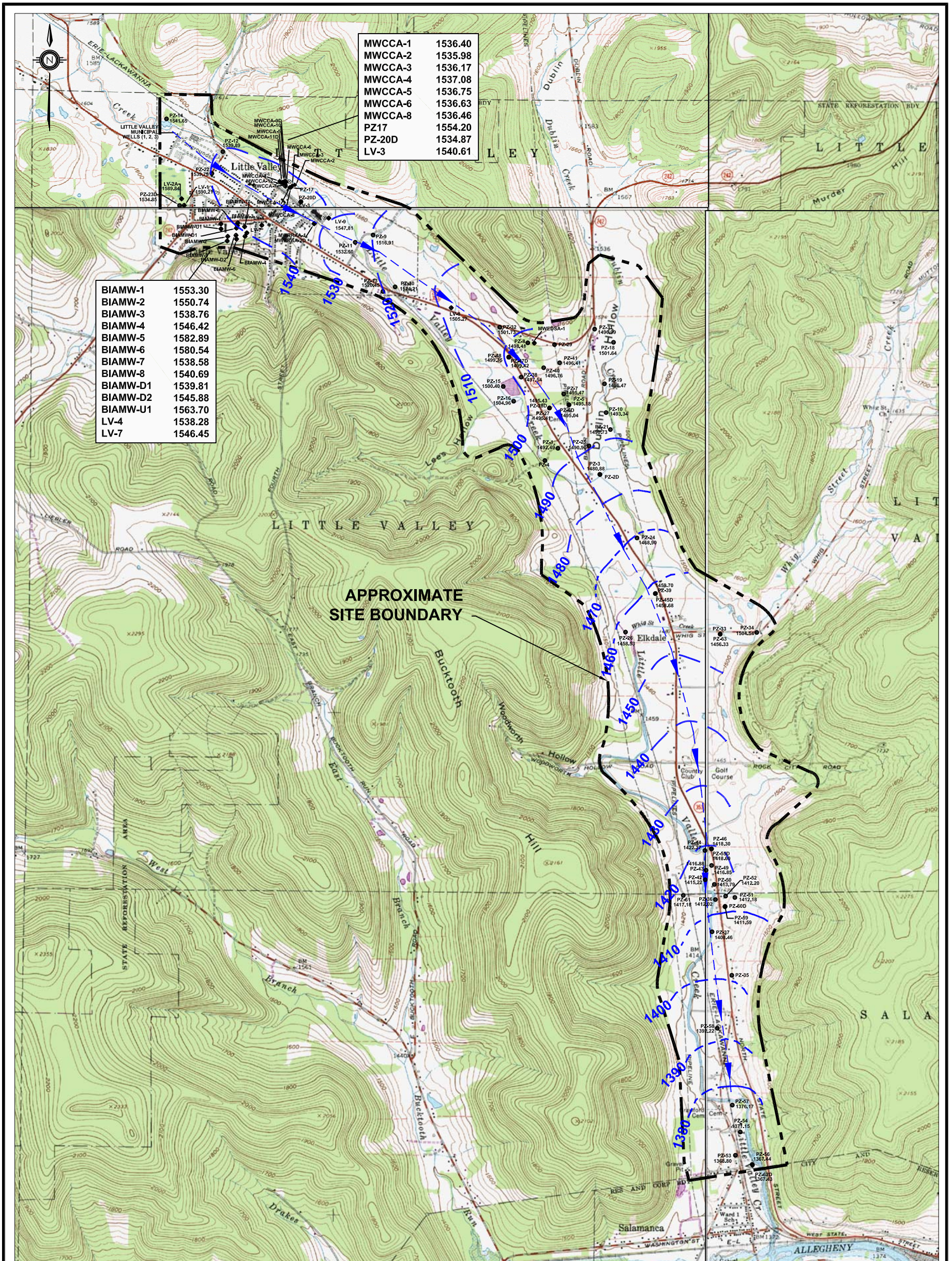
LITTLE VALLEY SUPERFUND SITE

LITTLE VALLEY
CATTARAUGUS COUNTY, NEW YORK

FIGURE 1-3
CATTARAUGUS CUTLERY AREA (CCA)
TCE SAMPLING RESULTS, 2006



TETRA TECH EC, INC.



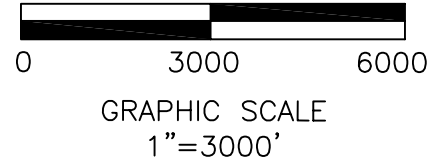
MWCCA-1	1536.40
MWCCA-2	1535.98
MWCCA-3	1536.17
MWCCA-4	1537.08
MWCCA-5	1536.75
MWCCA-6	1536.63
MWCCA-8	1536.46
PZ17	1554.20
PZ-20D	1534.87
LV-3	1540.61

BIAMW-1	1553.30
BIAMW-2	1550.74
BIAMW-3	1538.76
BIAMW-4	1546.42
BIAMW-5	1582.89
BIAMW-6	1580.54
BIAMW-7	1538.58
BIAMW-8	1540.69
BIAMW-D1	1539.81
BIAMW-D2	1545.88
BIAMW-U1	1563.70
LV-4	1538.28
LV-7	1546.45

LEGEND:

- PIEZOMETER
- MONITORING WELL

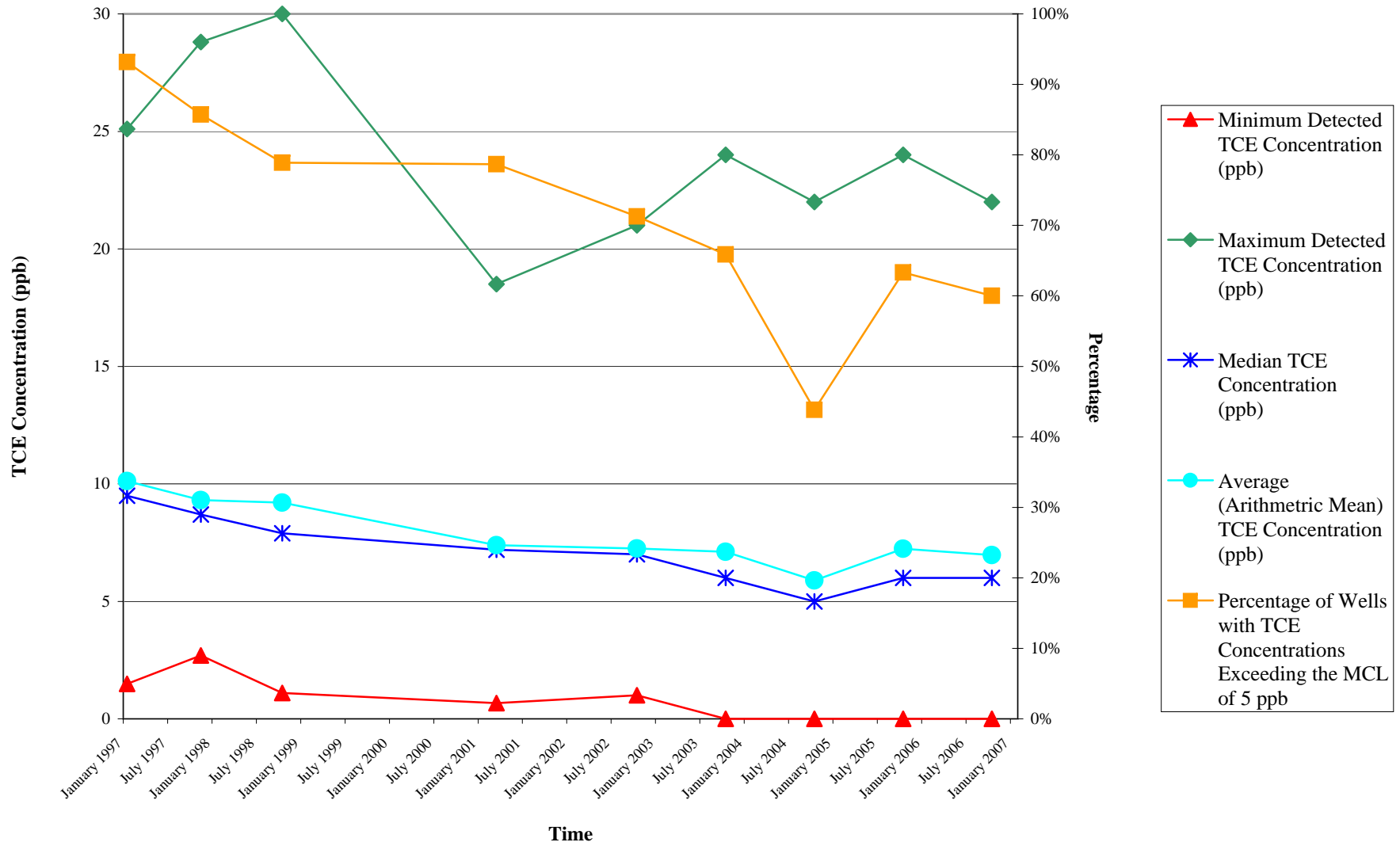
- 1540** — GROUNDWATER ELEVATION CONTOUR (FEET)
CONTOUR INTERVAL = 10 FEET
- DIRECTION OF GROUNDWATER FLOW



SOURCE:
BASE MAP ADAPTED FROM U.S.G.S. LITTLE VALLEY, ELLICOTTVILLE, SALAMANCA, AND CATTARAUGUS NEW YORK QUADRANGLES, 7.5 MINUTE SERIES (TOPOGRAPHIC).

LITTLE VALLEY SUPERFUND SITE
LITTLE VALLEY CATTARAUGUS COUNTY, NEW YORK
FIGURE 1-4 GENERALIZED GROUNDWATER ELEVATION AND FLOW DIRECTION - OCTOBER 14-16, 2003
TETRA TECH EC, INC.

FIGURE 4-1
Residential Well Statistical Calculations Graph
Little Valley Superfund Site



NOTE: Sampling events occurred in January 1997, November 1997, between October 1998 and February 1999, March 2001, October 2002, October 2003, October 2004, October 2005, and October 2006.

APPENDIX A
RESIDENTIAL WELL RESULTS

Table A-1
TCE Sampling Results for Homes with Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 1 of 8

ID #	System Location	1989 - 1996 Range	January 1997 Pre-Install.	November 1997		Oct. 98 / Feb. 99		May 1999		October 2000 Post-Treat.
				Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	
1	Maint. Shop	ND - 12	8.63	----	----	6.6	ND	----	----	----
2	Boiler Room	ND - 22	8.61	----	----	8.5	ND	----	----	ND
3	Basement	4 - 9.6	9.46	10	ND	7.1	ND	----	----	ND
4	Shed	5	9.3	----	----	9.5	----	7.5	ND	ND
5	Basement	5 - 15	8.49	9.2	ND	7.2	ND	----	----	ND
6	Basement	4	5.95	4.7	ND	5.4	ND	----	----	ND
8	Basement	3 - 11	6.33	6	ND	5.5	ND	----	----	ND
9	Basement	7.2 - 16	10.4	8.2	ND	7.9	ND	----	----	ND
10	Wood Shop	3 - 11	1.49	----	----	10	----	----	----	ND
11	Basement	6.3 - 9	6.58	5.6	ND	6.4	ND	----	----	ND
12	Shed	14	12.4	8.7	ND	9.4, 12	ND	----	----	ND
13	Basement	8	8.08	4.4	ND	7.1	ND	----	----	ND
14	Basement	ND - 7.7	7.77	8	ND	6.3	ND	----	----	ND
15	Shed	7.4 - 11	8.63	7	ND	8.9	ND	----	----	ND
17	Basement	12	8.57	8.5	ND	7.1	ND	----	----	ND
18	Basement	7 - 20	8.6	7.8	ND	7.6	ND	----	----	ND
19	Shed	3.6 - 13	4.36	4.3	ND	4.2	ND	----	----	ND
21	Basement	8 - 50	22.9	----	ND	29	ND	----	----	ND
28	Basement	18	14.1	11.7	ND	12	ND	----	----	ND
29	Basement	9.7 - 18	7.95	6.3	ND	7.6	ND	----	----	ND
30	Basement	8	6.52	5.9	ND	3.9	ND	----	----	ND
32	Basement	3 - 8	5.52	5.6	ND	4.2	ND	----	----	ND
33	Basement	4 - 11	7.38	5.4	ND	5.9	ND	----	----	ND
35	Shed	23 - 31	18.1	17.1	ND	18	ND	15	ND	ND
36	Shed	12 - 21	14.8	13.6	ND	12	ND	----	----	ND
40	Basement	19	10.7	10.5	ND	11	ND	----	----	ND
44	Basement	ND - 16	ND	ND	ND	ND	ND	----	----	ND

---- Not sampled.

ND Result not detected.

* Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-1
TCE Sampling Results for Homes with Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 2 of 8

ID #	System Location	1989 - 1996 Range	January 1997 Pre-Install.	November 1997		Oct. 98 / Feb. 99		May 1999		October 2000 Post-Treat.
				Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	
45	Basement	20 - 33	23.7	22.5	ND	24	ND	-----	-----	ND
46	Basement	32	16.3	28.8	ND	30	ND	-----	-----	-----
47	Shed	19	-----	-----	-----	23, 22	ND	22	ND	6.84
51	Basement	7	5.58	6	ND	4.7	ND	-----	-----	ND
53	Basement	33	20	19.2	ND	28	ND	-----	-----	ND
54	Basement	5.2 - 10	5.64	-----	-----	4	ND	-----	-----	ND
57	Shed	7.5 - 19	6.06	7.7	ND	5.8	ND	-----	-----	ND
62	Basement	7	9.72	11.6	ND	2.2	ND	-----	-----	ND
64	Basement	11 - 30	12.9	9.3	ND	12	ND	-----	-----	ND
65	Shed	33	22.7	25.2	ND	4.1	ND	-----	-----	ND
79	Basement	9 - 18	11.2	8.5	ND	1.6	ND	-----	-----	ND
86	Basement	17	12	9.9	ND	9.6	ND	-----	-----	ND
87	Basement	17	10.8	9.6	ND	9.7	ND	-----	-----	ND
91	Basement	9.9	9.84	9.1	ND	8	ND	-----	-----	2.2
92	Shed	17.3	17.3	16.1	ND	6.2	ND	-----	-----	ND
95	Basement	6.5	8.75	6.9	ND	7.7	ND	-----	-----	ND
96	Shed	10.2	12	9.1	ND	9.1	ND	-----	-----	4.5
99	Shed	6.4	6.49	6.1	ND	6.6	ND	-----	-----	ND
104	Basement	11	13.3	10.6	ND	13	ND	-----	-----	-----
105	Basement	9.5	9.38	8.5	ND	9.8	ND	-----	-----	8.5
106	Basement	11	9.91	9.8	ND	8.8	ND	-----	-----	-----
107	Basement	11 - 28.6	12	12.5	ND	9.7	ND	9.7	ND	ND
108	Shed	12	11.9	10.5	ND	11	ND	-----	-----	ND
109	Basement	12	13.8	-----	-----	8.9	ND	-----	-----	ND
110	Shed	11	11.5	10.4	ND	12	ND	-----	-----	ND
111	Basement	4.6	5.25	4	ND	4.1	ND	-----	-----	ND
117	Shed	19.9	20.5	23.3	ND	29	ND	-----	-----	-----

----- Not sampled (1998)

ND | Result not detected.

* | | Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-1
TCE Sampling Results for Homes with Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 3 of 8

ID #	System Location	1989 - 1996 Range	January 1997 Pre-Install.	November 1997		Oct. 98 / Feb. 99		May 1999		October 2000 Post-Treat.
				Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	
118	Garage	9.2	9.82	8.4	ND	1.1	ND	----	----	ND
119	Basement	11	10.3	----	----	ND	ND	----	----	ND
120	Shed	10	12.3	10.7	ND	10	ND	----	----	ND
121	Basement	11	10.7	12.1	ND	12	ND	----	----	ND
122	Basement	7.2	7.43	6.9	ND	6.4	ND	----	----	ND
125	Basement	----	5.5	5.2	ND	4.7	ND	----	----	ND
127	Basement	----	7.3	7	ND	1.3	ND	----	----	ND
133	Basement	----	6.94	7.6	ND	6.8	ND	----	----	ND
134	Basement	----	7.9	6.7	ND	7.4	ND	----	----	ND
135	Basement	----	8.96	8.8	ND	6.4	ND	----	----	ND
136	Basement	----	10.4	9.9	ND	8.3	ND	----	----	ND
137	Garage	----	10.6	9.8	ND	7.9	ND	----	----	ND
153	Shed	----	8.37	ND	ND	8.3	ND	----	----	----
154	Basement	----	10.5	10.2	ND	8.2	ND	----	----	ND
157	Basement	----	14.9	3.9	ND	5	ND	----	----	ND
162	Shed	----	11.5	9.8	----	9.1	ND	----	----	ND
163	Basement	----	7.41	7.7	ND	7	ND	----	----	ND
164	Basement	----	6.15	2.7	ND	4.6	ND	----	----	----
166	Basement	----	11.5	8.9	ND	7.9	ND	----	----	ND
168	Barn	----	4.64	3.5	ND	3.8	ND	----	----	ND
170	Basement	----	12.4	10.6	ND	9.1	ND	----	----	ND
171	Basement	----	11.1	----	----	----	----	----	----	ND
172	Shed	----	9.52	7.3	ND	9.6	ND	----	----	ND
173	Shed	----	ND	----	ND	4.5	----	----	----	ND
174	Garage	----	12.1	10	ND	13	ND	----	----	ND
176	Wood shed	----	12.5	10.2	ND	11	ND	----	----	----
178	Basement	----	3.97	3.9	ND	6.8	ND	----	----	ND

---- Not sampled

ND Result not detected.

* Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-1
TCE Sampling Results for Homes with Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 4 of 8

ID #	System Location	1989 - 1996 Range	January 1997 Pre-Install.	November 1997		Oct. 98 / Feb. 99		May 1999		October 2000 Post-Treat.
				Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	
184	Wood shed	-----	13.1	10.4	ND	12	ND	-----	-----	ND
185	Basement	-----	7.85	12.2	ND	13	ND	-----	-----	ND
186	Garage	-----	7.08	7.5	ND	9.1	ND	-----	-----	ND
187	Shed	-----	7.45	ND	ND	14	ND	-----	-----	ND
189	Breezeway	-----	25.1	24.2	ND	29	ND	-----	-----	-----
195	Shed	-----	8.05	6.6	ND	8.7	ND	-----	-----	ND
205	Shed	-----	10.7	9.1	ND	12	ND	-----	-----	-----
206	Shed	-----	-----	-----	-----	5.2	-----	-----	-----	0.405
207	Basement	-----	-----	-----	-----	6	-----	5.4	ND	-----
209	Basement	5.2 - 10	5.6	-----	-----	4	ND	-----	-----	ND
210	Garage	-----	-----	-----	-----	-----	-----	-----	-----	-----
211	Basement	-----	-----	-----	-----	-----	-----	-----	-----	-----

----- Not sampled [] [] [] [] []

ND [] Result not detected.

* [] [] Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-1
TCE Sampling Results for Homes with Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 5 of 8

ID #	System Location	March 2001		October 2002		October 2003		October 2004	October 2005	October 2006
		Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Pre-Treat.	Pre-Treat.
1	Maint. Shop	6.6	1.4	7	ND	6	ND	5	7	6
2	Boiler Room	-----	-----	7	ND	7	ND	6	8	7
3	Basement	7.7	ND	7	ND	0.6 J	ND	6	8	6
4	Shed	7.5	ND	8	ND	7	ND	6	----	6
5	Basement	7.0	ND	8	ND	6	ND	5	6	6
6	Basement	4.6	ND	3	ND	4	ND	3	4	3 (Dup 3)
8	Basement	5.6	ND	6	ND	5	ND	4	5	4
9	Basement	8.1	ND	6	ND	-----	-----	5	7	4
10	Wood Shop	-----	-----	1	ND	0.9 J	ND	0.6 J	1	--
11	Basement	4.8	ND	5	ND	4	ND	3	4	4
12	Shed	8.7	ND	7	ND	7	ND	5	6	6
13	Basement	5.8	ND	6	ND	5	ND	4	5	4
14	Basement	6.2	ND	6	ND	5	ND	5	6	5
15	Shed	5.6	ND	6	6	ND	ND	5	6	2
17	Basement	-----	-----	7	ND	8	ND	5	7	6
18	Basement	6.8	ND	7	ND	6	ND	6	6	6
19	Shed	6.1	ND	6	ND	6	ND	5	7	6
21	Basement	18.5	ND	21	ND	24	ND	20	22	22
28	Basement	ND	ND	8	ND	8	ND	6 (Dup 7)	8	6
29	Basement	3.6	3.9	6	ND	ND	ND	3	4	4
30	Basement	5.6	ND	5	ND	5	ND	4	5	4
32	Basement	4.6	4.5	4	ND	4	ND	3	5	3
33	Basement	6.2	ND	5	ND	5	ND	4	5	6
35	Shed	14.0	-----	14	ND	13	ND	12	15	16
36	Shed	10.7	ND	10	ND	11	ND	10	13 (Dup 13)	11
40	Basement	8.4	ND	7	ND	-----	-----	6	8	7
44	Basement	ND	ND	ND	ND	ND	ND	ND	ND	ND

----- Not sampled (J, L, P)

ND Result not detected.

*J Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-1
TCE Sampling Results for Homes with Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 6 of 8

ID #	System Location	March 2001		October 2002		October 2003		October 2004	October 2005	October 2006
		Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Pre-Treat.	Pre-Treat.
45	Basement	----	----	ND	ND	23	ND	16	17	21
46	Basement	----	----	20	ND	24	ND	20	11	22
47	Shed	17.6	ND	18	ND	19	ND	----	23	21
51	Basement	5.0	ND	5	ND	4	ND	3	4	4
53	Basement	13.2	ND	16	ND	15	ND	15	15	16
54	Basement	5.4	ND	5	ND	4	ND	3	4	4
57	Shed	4.2	ND	5	ND	6	ND	4	5	4
62	Basement	6.1	ND	6	ND	6	ND	4	1	7
64	Basement	9.0	ND	8	ND	9	ND	8	7	8
65	Shed	15.3	ND	17	ND	21	ND	22	16 (Dup 16)	22
79	Basement	7.2	ND	7	ND	7	ND	5	7	5
86	Basement	7.9	ND	----	----	6	ND	6	7	6
87	Basement	8.6	ND	8	ND	6	ND	5	7	6
91	Basement	7.2	2.3	6	ND	7	ND	6	7	7
92	Shed	12.0	----	12	ND	13	ND	3	2	12
95	Basement	7.3	ND	6	ND	6	ND	4	5	6
96	Shed	9.5	ND	7	ND	7	ND	6	8	6 (Dup 9)
99	Shed	5.5	ND	4	ND	4	ND	3	4	3 (Dup 3)
104	Basement	9.5	----	8	ND	9	ND	9	10	7
105	Basement	8.8	ND	7	ND	7	ND	6	7	7
106	Basement	----	----	7	ND	8	ND	6	8	7
107	Basement	9.6	ND	8	ND	8	ND	7	8	7 (Dup 8)
108	Shed	10.0	ND	8	ND	4	ND	3 (Dup 4)	0.5 J	3
109	Basement	----	----	9	ND	7	ND	6	5	6
110	Shed	10.1	----	9	ND	10	ND	8	9	9
111	Basement	3.7	ND	3	ND	ND **	3 **	2	3	2
117	Shed	15.6	ND	17	ND	17	ND	15	21 (Dup 21)	20

---- Not sampled

ND Result not detected.

* Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-1
TCE Sampling Results for Homes with Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 7 of 8

ID #	System Location	March 2001		October 2002		October 2003		October 2004	October 2005	October 2006
		Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Pre-Treat.	Pre-Treat.
118	Garage	7.9	ND	7	ND	7	ND	6	7	6
119	Basement	8.3	ND	7	ND	6	ND	5	6	6
120	Shed	9.3	ND	8	ND	7	ND	6	7	7
121	Basement	7.8	ND	8	ND	7	ND	6	8	3
122	Basement	-----	-----	5	ND	6	ND	5 (Dup 6)	6	6
125	Basement	4.2	ND	4	ND	4	ND	3	4	4
127	Basement	6.2	ND	4	ND	4	ND	4	5	5
133	Basement	7.0	ND	6	ND	6	ND	5	6	6
134	Basement	7.0	ND	6	ND	6	ND	5	6	6
135	Basement	7.9	ND	6	ND	6	ND	5	6	5
136	Basement	8.2	ND	7	ND	7	ND	6	7	8
137	Garage	-----	-----	7	ND	7	ND	6	7	7
153	Shed	-----	-----	7	ND	-----	-----	-----	-----	-----
154	Basement	7.4	ND	8	ND	6	ND	6	8 (Dup 8)	7
157	Basement	3.9	ND	4	ND	3	ND	3	5	3
162	Shed	8.5	ND	8	8	7	ND	5	6	6
163	Basement	5.8	ND	5	ND	5	ND	4	4	4 (Dup 4)
164	Basement	4.0	ND	-----	-----	-----	-----	2	2	2
166	Basement	9.5	ND	9	ND	8	ND	7	8	8
168	Barn	3.22	ND	3	ND	3	ND	2 (Dup 2)	2	2
170	Basement	9.1	ND	8	ND	7	ND	6	8	7
171	Basement	-----	-----	8	ND	8	ND	5	8	6
172	Shed	7.9	ND	7	ND	6	ND	6	7	5
173	Shed	.67	ND	3	ND	ND	ND	0.4 J	2	0.1 J
174	Garage	9.2	ND	8	ND	6	ND	7	8	8
176	Wood shed	-----	-----	8	ND	7	ND	6	8	7
178	Basement	2.6	ND	2	ND	2	ND	2	3	2

----- Not sampled.

ND Result not detected.

*J Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-1
TCE Sampling Results for Homes with Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 8 of 8

ID #	System Location	March 2001		October 2002		October 2003		October 2004	October 2005	October 2006
		Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Post-Treat.	Pre-Treat.	Pre-Treat.	Pre-Treat.
184	Wood shed	10.7	ND	9	ND	8	ND	7	11	10
185	Basement	ND	ND	ND	ND	0.3 J	ND	6	0.9 J	0.7 J
186	Garage	6.0	ND	6	ND	4	ND	4	6	5
187	Shed	7.7	ND	8	ND	8	ND	8	10	7
189	Breezeway	-----	-----	19	ND	21	ND	19	24 (Dup 12)	18
195	Shed	6.1	ND	5	ND	6	ND	4	6	5
205	Shed	-----	-----	-----	-----	-----	-----	-----	-----	-----
206	Shed	-----	-----	5	ND	4	ND	3	5	4
207	Basement	-----	-----	5	ND	5	ND	4	4	4
209	Basement	5.4	ND	-----	-----	-----	-----	3	4	4
210	Garage	-----	-----	-----	-----	-----	-----	0.7 J	4	3
211	Basement	-----	-----	-----	-----	-----	-----	-----	23	22

----- Not sampled

ND Result not detected.

*J Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-2
TCE Sampling Results for Homes without Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 1 of 3

ID #	System Location	1989 - 1996 Historical Range	January 1997	November 1997	October 1998	Fall 1999	April 2001
16	None	ND	ND	ND	0.5	ND	-----
20	None	ND	ND	ND	-----	ND	ND
22	None	ND	ND	ND	-----	-----	ND
23	None	ND - 0.5	0.4	ND	0.5	0.5	0.3
24	None	ND	0.5	ND	-----	0.5	0.3
25	None	2.0	1.5	-----	1.5	1.0	-----
26	None	1 - 3	1.2	1.2	1.6	1.9	0.9
27	None	9.3 - 25	13.7	-----	13 (refused)	-----	-----
31	None	ND	ND	ND	0.5	ND	ND
34	None	ND	-----	-----	0.5	-----	ND
37	None	ND	ND	ND	2.7	ND	-----
38	None	3	0.7	3.0	2.7	2.7	1.8
39	None	8 - 9.4	2.4	-----	0.9	ND	0.6
50	None	ND	ND	ND	-----	ND	-----
52	None	ND	ND	ND	0.5	ND	ND
55	None	2 - 2.8	3.0	-----	0.5	3.1	2.5
56	None	ND - 0.5	0.5	-----	0.5	0.5	0.3
58	None	ND - 0.5	ND	-----	-----	ND	-----
59	None	1	1.0	-----	-----	1.0	0.8
60	None	ND	-----	ND	-----	0.4	-----
61	None	ND	ND	-----	-----	-----	-----
66	None	ND	ND	ND	0.5	-----	-----
67	None	ND	ND	ND	0.5	ND	ND
68	None	ND	ND	ND	-----	ND	ND
69	None	2	2.6	-----	1.7	1.0	1.6
70	None	ND	ND	ND	0.7	ND	ND
71	None	2	3.0	-----	-----	ND	ND
72	None	1	1.2	-----	0.9	1.0	0.9
73	None	ND	-----	-----	-----	-----	-----
93	None	ND	ND	-----	-----	ND	ND
94	None	ND	ND	ND	0.5	ND	ND
97	None	9.4	7.7	2.7	-----	-----	6.24 (non-pot.)
98	None	2.6	2.7	-----	1.7	2.6	1.5

----- | Not sample

ND | Result not detected.

* | Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-2
TCE Sampling Results for Homes without Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 2 of 3

ID #	System Location	1989 - 1996 Historical Range	January 1997	November 1997	October 1998	Fall 1999	April 2001
100	None	ND	ND	ND	0.5	0.5	ND
101	None	1 - 2.1	2.3	2.1	-----	2.0	-----
102	None	5.8	-----	-----	-----	-----	-----
103	None	ND	ND	ND	0.5	0.5	ND
112	None	1.4	1.7	-----	1.4	3.0	2.5
113	None	2.1	2.6	-----	1.6	1.7	1.7
114	None	ND	ND	ND	0.5	ND	ND
115	None	ND	ND	ND	-----	ND	-----
116	None	ND	ND	ND	0.5	ND	ND
123	None	-----	1.2	-----	0.9	1.2	1.0
126	None	-----	1.2	-----	1.3	1.3	0.9
128	None	-----	2.3	-----	2.0	2.4	1.9
129	None	-----	5.6	-----	-----	-----	-----
130	None	-----	ND	ND	-----	0.4	ND
131	None	-----	7.5	-----	7.5 (refuse)	8.2	6.8
132	None	-----	ND	ND	0.5	ND	ND
138	None	-----	ND	ND	0.5	ND	ND
139	None	-----	ND	ND	-----	ND	-----
140	None	-----	-----	-----	-----	-----	-----
141	None	-----	ND	ND	-----	0.5	-----
142	None	-----	ND	ND	0.5	ND	-----
143	None	-----	ND	ND	0.5	ND	-----
144	None	-----	ND	ND	0.5	ND	ND
145	None	-----	-----	-----	-----	7.5	-----
146	None	-----	-----	-----	-----	0.5	ND
147	None	-----	ND	ND	0.5	-----	-----
148	None	-----	ND	ND	0.5	ND	ND
149	None	-----	ND	ND	-----	ND	ND
150	None	-----	ND	ND	0.5	ND	ND
151	None	-----	ND	ND	-----	-----	-----
152	None	-----	ND	ND	0.5	ND	ND
155	None	-----	ND	ND	0.5	ND	-----
156	None	-----	ND	ND	0.5	ND	ND

----- | Not sample

ND | Result not detected.

*1 | Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-2
TCE Sampling Results for Homes without Treatment Systems in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 3 of 3

ID #	System Location	1989 - 1996 Historical Range	January 1997	November 1997	October 1998	Fall 1999	April 2001
158	None	----	ND	ND	0.5	ND	ND
159	None	----	ND	ND	----	ND	ND
160	None	----	ND	ND	0.5	ND	ND
161	None	----	ND	ND	----	ND	----
165	None	----	6.2	----	----	0.5	----
167	None	----	----	----	----	----	----
169	None	----	ND	ND	----	0.5	----
175	None	----	14.9	----	----	----	ND
179	None	----	----	----	----	----	----
180	None	----	3.3	----	----	3.5	2.7
181	None	----	1.6	----	1.5	2.1	1.1
182	None	----	----	ND	0.8	1.0	0.4
183	None	----	0.5	----	0.5	1.1	1.0
188	None	----	----	----	----	----	----
190	None	----	ND	ND	----	ND	ND
191	None	----	ND	ND	----	----	----
192	None	----	ND	ND	----	----	ND
193	None	----	ND	ND	----	ND	ND
194	None	----	ND	ND	----	----	ND
196	None	----	3.3	----	3.0	3.0	2.7
197	None	----	ND	ND	----	ND	ND
198	None	----	ND	ND	0.5	ND	----
199	None	----	ND	ND	----	ND	ND
200	None	----	0.7	----	0.5	----	----
201	None	----	ND	ND	----	2.9	----
202	None	----	4.5	----	----	----	----
203	None	----	2.7	----	2.1	2.7	2.1
208	None	----	----	----	----	----	ND
209	None	----	----	----	----	----	ND

---- | Not sample

ND | Result not detected.

* | Result likely reflects a mix up of pre-treated and post-treated water samples.

Table A-3
TCE Sampling Results from State and County Agency Sampling in Parts Per Billion (ppb)
Little Valley Superfund Site
Page 1 of 1

ID #	Testing Organization	Range	Last Sample Result	Date of Last Sample Result	1997 EPA Sample Result
7	CCHD	ND-8	10/8/1998	ND	--
41	CCHD	8-20	Not Sampled		--
42	CCHD	ND	Not Sampled		--
43	CCHD	ND	Not Sampled		--
48	CCHD	3	Not Sampled		--
49	CCHD	ND	Not Sampled		--
63	CCHD	18-22	10/21/1998	22	19.2
74	CCHD	ND	3/19/1991	ND	--
75	NYSDEC	ND	12/7/1992	ND	--
76	D&M	ND	5/29/1991	ND	--
77	NYSDEC	45-186	12/7/1992	186	--
78	NYSDEC	27-280	12/7/1992	27	--
80	NYSDEC	ND	12/7/1992	ND	--
81	NYSDEC	ND	12/7/1992	ND	--
82	NYSDEC	0.7-1.4	12/7/1992	1.4	--
83	NYSDEC	ND	12/7/1992	ND	--
84	NYSDEC	ND	12/7/1992	ND	--
85	NYSDEC	ND-0.5	12/7/1992	0.5	--
89	NYSDEC	ND	12/7/1992	ND	--
90	NYSDEC	ND	12/7/1992	ND	--
204	unknown	0.8	10/7/1998	0.8	

CCHD = Cattaraugus County Health Department
NYSDEC = New York State Department of Environmental Conservation
D&M = Dames and Moore

----- Not sampled.
ND | Result not detected.

APPENDIX B
MONITORING WELL/PIEZOMETER ANALYTICAL RESULTS

APPENDIX B - ANALYTICAL DATA RESULTS

Table	Title
B-1	Abbreviations and Qualifiers Utilized in Result Tables
B-2	Volatile Organic Compounds - Groundwater (1998)
B-3	Volatile Organic Compounds - Groundwater (1999)
B-4	Volatile Organic Compounds - Groundwater (2000/2001)
B-5	Volatile Organic Compounds - Groundwater (2002/2003)
B-6	Volatile Organic Compounds - Groundwater (2006)
B-7	Monitored Natural Attenuation Parameters - Groundwater (2003)
B-8	Monitored Natural Attenuation Parameters - Groundwater (2006)
B-9	CRA Investigation of Bush Industries - May 1999
B-10	CRA Investigation of Bush Industries - December 1999
B-11	Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
B-12	Volatile Organic Compounds - Quality Assurance/Quality Control (1999)
B-13	Volatile Organic Compounds - Quality Assurance/Quality Control (2000/2001)
B-14	Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
B-15	Volatile Organic Compounds - Quality Assurance/Quality Control (2006)
B-16	Monitored Natural Attenuation Parameters - Quality Assurance/Quality Control (2006)

TABLE B-1
Abbreviations and Qualifiers Utilized in Result Tables
Little Valley Superfund Site
Page 1 of 1

Abbreviation	Definition
BIA	Bush Industries Area.
CCA	Cattaraugus Cutlery Area.
FB	Field Blank.
1ST	First Street Area.
GTA	Great Triangle Area.
ID	Identification.
KW	King Window Area.
mg/L	milligrams per liter.
MW	Monitoring Well Location.
9LF	Ninth Street Landfill Area.
ND	Not Detected.
ppb	parts per billion (ug/kg or ug/L).
ppm	parts per million (mg/kg or mg/L).
PZ	Piezometer Location.
QA	Quality Assurance.
QC	Quality Control.
RRAA	Railroad Avenue Area.
TICs	Tentatively Identified Compounds.
ug/L	micrograms per liter.
WSA	Whig Street Area.

Qualifier	Definition
U	Compound not detected at detection limits.
--	No Tentatively Identified Compounds (TICs) identified in sample.
J	Compound value is estimated.
L	Compound value is estimated; biased low.
K	Compound value is estimated; biased high.
R	Compound value is rejected and deemed unusable.
B	Compound was also present in an associated blank sample.
E	Compound concentration exceeds the calibration range.
D	Compound value reported is from a dilution analysis.
N	Presumptive evidence exists for the presence of compound.
NA	Not analyzed/not available.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
 Little Valley Superfund Site
 Page 1 of 30

Area Location TtEC Sample I.D. Sampling Date Matrix Units	Ninth Street Landfill Area 9LF1 LV-SB9LF1-66GW 06/25/1998 SimulProbe ug/L	Ninth Street Landfill Area 9LF1 LV-SB9LF1-70GW 06/26/1998 SimulProbe ug/L	Ninth Street Landfill Area LV-2A LV-GWLV2A-01 07/15/1998 Groundwater ug/L	Ninth Street Landfill Area LV-1 LV-GWLV1-02 07/29/1998 Groundwater ug/L	Ninth Street Landfill Area LV-1 LV-GWLV1-03 07/30/1998 Groundwater ug/L
Chloromethane	2 U	1 U	1 U	9 J	2 J
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	1 U	2 U	2 U	2	2 U
Acetone	28 UJ	11 UJ	R	11 J	87 J
Carbon disulfide	1	1 U	1 U	1 U	0.3 J
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 UJ
cis-1,2-Dichloroethene	1 U	1 U	0.2 J	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	0.3 J	1 U
2-Butanone	8 UJ	5 UJ	R	6 J	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	10	19	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 UJ
2-Hexanone	5 U	5 U	5 U	R	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
 Little Valley Superfund Site
 Page 2 of 30

Area Location TtEC Sample I.D.	Ninth Street Landfill Area 9LF1 LV-SB9LF1-66GW	Ninth Street Landfill Area 9LF1 LV-SB9LF1-70GW	Ninth Street Landfill Area LV-2A LV-GWLV2A-01	Ninth Street Landfill Area LV-1 LV-GWLV1-02	Ninth Street Landfill Area LV-1 LV-GWLV1-03
Sampling Date	06/25/1998	06/26/1998	07/15/1998	07/29/1998	07/30/1998
Matrix	SimulProbe	SimulProbe	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	2	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	0.8 J	1 U	0.7 J	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	1 U	1 U	1 U
1,2,4-Trichlorobenzene	4	1 U	1 U	1 U	1 U
Total Volatile TICs	8 J	--	--	--	--

TABLE B-2
Volatile Organic Compounds - Groundwater (1998)
Little Valley Superfund Site
Page 3 of 30

Area Location TtEC Sample I.D. Sampling Date Matrix Units	Ninth Street Landfill Area LV-2A LV-GWLV2-02 07/30/1998 Groundwater ug/L	Bush Industries Area BIA1 LV-SBBIA1-45GW 06/24/1998 SimulProbe ug/L	Bush Industries Area BIA1 LV-SBBIA1-46GW Duplicate of SBBIA1-45GW 06/24/1998 SimulProbe ug/L	Bush Industries Area BIA1 LV-SBBIA1-50GW 06/24/1998 SimulProbe ug/L	Bush Industries Area BIA1 LV-SBBIA1-55GW 06/24/1998 SimulProbe ug/L
Chloromethane	27 JE	1 U	2 U	2 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	8 U	2 U	2 U	2 U	2 U
Acetone	19 J	13 UJ	15 UJ	12 UJ	11 UJ
Carbon disulfide	1 UJ	1	0.9 J	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 UJ	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.8 J	1 U	1 U	1 U	1 U
2-Butanone	R	2 J	3 J	3 J	2 J
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	0.8 J	1
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	0.3 J	1 U	1 U	0.6 J	1 UJ
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 UJ	5 U	5 U	5 U	5 U
2-Hexanone	R	5 U	5 U	5 U	5 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Ninth Street Landfill Area LV-2A LV-GWLV2-02 07/30/1998 Groundwater ug/L	Bush Industries Area BIA1 LV-SBBIA1-45GW 06/24/1998 SimulProbe ug/L	Bush Industries Area BIA1 LV-SBBIA1-46GW Duplicate of SBBIA1-45GW 06/24/1998 SimulProbe ug/L	Bush Industries Area BIA1 LV-SBBIA1-50GW 06/24/1998 SimulProbe ug/L	Bush Industries Area BIA1 LV-SBBIA1-55GW 06/24/1998 SimulProbe ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 J	0.9 J
Chlorobenzene	1 U	1 U	1 U	1 UJ	1 UJ
Ethylbenzene	1 U	1 U	1 U	1 UJ	1 UJ
Styrene	1 U	1 U	1 U	1 UJ	1 UJ
Xylenes (total)	1 U	1 U	1 U	0.9 J	1 UJ
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	R	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	--	19 JN	17 JN	30 JN	8 JN

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Bush Industries Area BIA2 LV-SBBIA2-45GW 06/19/1998 SimulProbe ug/L	Bush Industries Area BIA2 LV-SBBIA2-46GW Duplicate of SBBIA2-45GW 06/19/1998 SimulProbe ug/L	Bush Industries Area BIA2 LV-SBBIA2-50GW 06/22/1998 SimulProbe ug/L	Bush Industries Area BIA2 LV-SBBIA2-57GW 06/22/1998 SimulProbe ug/L	Bush Industries Area BIA2 LV-SBBIA2-60GW 06/23/1998 SimulProbe ug/L
Chloromethane	2 U	2 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 UJ	2 UJ	2 U	2 U	2 U
Acetone	21 UJ	22 UJ	6 UJ	28 UJ	13 UJ
Carbon disulfide	1 U	1 U	1 U	1 U	1
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	0.6 J	1 U	1 J
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	6 UJ	6 UJ	2 J	6 J	4 J
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1	6	3	10
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 J	0.8 J
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Bush Industries Area BIA2 LV-SBBIA2-45GW	Bush Industries Area BIA2 LV-SBBIA2-46GW Duplicate of SBBIA2-45GW	Bush Industries Area BIA2 LV-SBBIA2-50GW	Bush Industries Area BIA2 LV-SBBIA2-57GW	Bush Industries Area BIA2 LV-SBBIA2-60GW
Sampling Date	06/19/1998	06/19/1998	06/22/1998	06/22/1998	06/23/1998
Matrix	SimulProbe	SimulProbe	SimulProbe	SimulProbe	SimulProbe
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	2 J	0.8 J
Chlorobenzene	1 U	1 U	1 U	1 UJ	1 U
Ethylbenzene	1 U	1 U	1 U	1 UJ	1 U
Styrene	1 U	1 U	1 U	1 UJ	1 U
Xylenes (total)	1 U	1 U	1 U	0.8 J	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	33 JN	39 JN	--	24 JN	21 JN

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Bush Industries Area BIA3 LV-SBBIA3-52GW	Bush Industries Area BIA4 LV-SBBIA4-45GW	Bush Industries Area BIA5 LV-SBBIA5-40GW	Bush Industries Area BIA5 LV-SBBIA5-47GW	Bush Industries Area LV-4 LV-GWLV4-01
Sampling Date	06/17/1998	07/06/1998	07/08/1998	07/08/1998	07/14/1998
Matrix	SimulProbe	SimulProbe	SimulProbe	SimulProbe	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	1 U	1	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	0.8 J	1 U	1 U	1 U
Methylene chloride	2 U	2 U	2 U	2 U	2 U
Acetone	9 UJ	23 UJ	31 UJ	13 UJ	17 UJ
Carbon disulfide	1 U	1 U	3	0.6 J	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	5 UJ	7 UJ	6 UJ	5 UJ	5 UJ
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	0.8 J	1 UJ	0.6 J	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D.	Bush Industries Area BIA3 LV-SBBIA3-52GW	Bush Industries Area BIA4 LV-SBBIA4-45GW	Bush Industries Area BIA5 LV-SBBIA5-40GW	Bush Industries Area BIA5 LV-SBBIA5-47GW	Bush Industries Area LV-4 LV-GWLV4-01
Sampling Date	06/17/1998	07/06/1998	07/08/1998	07/08/1998	07/14/1998
Matrix	SimulProbe	SimulProbe	SimulProbe	SimulProbe	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	0.8 J	1 UJ	1	1 U
Chlorobenzene	1 U	1 U	1 UJ	1 U	1 U
Ethylbenzene	1 U	1 U	1 UJ	1 U	1 U
Styrene	1 U	1 U	1 UJ	1 U	1 U
Xylenes (total)	1 U	1 U	1 UJ	0.6 J	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	23 JN	56 JN	12 JN	7 JN	--

TABLE B-2
Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Bush Industries Area LV-7 LV-GWLV7-01 07/09/1998 Groundwater ug/L	Bush Industries Area LV-7 LV-GWLV7-02 07/13/1998 Groundwater ug/L	Bush Industries Area LV-4 LV-GWLV4-02 07/29/1998 Groundwater ug/L	Bush Industries Area LV-7 LV-GWLV7-03 07/29/1998 Groundwater ug/L	Cattaraugus Cutlery Area CCA1 LV-SBCCA1-30GW 06/17/1998 SimulProbe ug/L
Chloromethane	1 UJ	4 U	5 UJ	1 UJ	1 U
Bromomethane	1 UJ	1 U	1 U	1 U	1 U
Vinyl chloride	1 UJ	1 U	1 U	1 U	1 U
Chloroethane	1 UJ	1 U	1 U	1 U	1 U
Methylene chloride	2 UJ	2 U	2 U	2 U	2 UJ
Acetone	10 UJ	9 UJ	R	R	11 UJ
Carbon disulfide	1 UJ	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 UJ	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 UJ	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 UJ	1 U	1 U	1 U	1
trans-1,2-Dichloroethene	1 UJ	1 U	1 U	1 U	1 U
Chloroform	1 UJ	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 UJ	0.3 J	1 U	1 U	1 U
2-Butanone	5 UJ	R	R	R	5 UJ
Bromochloromethane	1 UJ	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 UJ	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 UJ	1 U	1 U	1 U	1 U
Bromodichloromethane	1 UJ	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 UJ	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 UJ	1 U	1 U	1 U	1 U
Trichloroethene	1 UJ	1 U	1	1 U	36 D
Dibromochloromethane	1 UJ	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 UJ	1 U	1 U	1 U	1 U
Benzene	1 UJ	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 UJ	1 U	1 U	1 U	1 U
Bromoform	1 UJ	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 UJ	5 U	5 U	5 U	5 U
2-Hexanone	5 UJ	5 U	R	R	5 U
Tetrachloroethene	1 UJ	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D.	Bush Industries Area LV-7 LV-GWLV7-01	Bush Industries Area LV-7 LV-GWLV7-02	Bush Industries Area LV-4 LV-GWLV4-02	Bush Industries Area LV-7 LV-GWLV7-03	Cattaraugus Cutlery Area CCA1 LV-SBCCA1-30GW
Sampling Date	07/09/1998	07/13/1998	07/29/1998	07/29/1998	06/17/1998
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	SimulProbe
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 UJ	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 UJ	1 U	1 U	1 U	1 U
Toluene	1 UJ	1 U	1 U	1 U	1 U
Chlorobenzene	1 UJ	1 U	1 U	1 U	1 U
Ethylbenzene	1 UJ	1 U	1 U	1 U	1 U
Styrene	1 UJ	1 U	1 U	1 U	1 U
Xylenes (total)	1 UJ	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 UJ	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 UJ	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 UJ	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	1 U	1 U	1 U	R
1,2,4-Trichlorobenzene	1 UJ	1 U	1 U	1 U	1 U
Total Volatile TICs	--	--	--	--	2 JN

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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutlery Area CCA2 LV-SBCCA2-06GW 06/16/1998 SimulProbe ug/kg	Cattaraugus Cutlery Area CCA3 LV-SBCCA3-33GW 07/01/1998 SimulProbe ug/L	Cattaraugus Cutlery Area MWCCA-1 LV-GWCCA1-01 07/16/1998 Groundwater ug/L	Cattaraugus Cutlery Area MWCCA-1 LV-GWCCA4-01 Duplicate of GWCCA1-01 07/16/1998 Groundwater ug/L	Cattaraugus Cutlery Area MWCCA-3 LV-GWCCA3-01 07/16/1998 Groundwater ug/L
Chloromethane	13 UJ	1 U	1 U	1 U	1 U
Bromomethane	13 UJ	1 U	1 U	1 U	1 U
Vinyl chloride	13 UJ	1 U	1 U	1 U	1 U
Chloroethane	13 UJ	1 U	1 U	1 U	1 U
Methylene chloride	13 UJ	2 U	2 U	2 U	2 U
Acetone	13 UJ	14 UJ	29 UJ	33 UJ	40 UJ
Carbon disulfide	13 UJ	1 U	1 U	1 U	1 U
1,1-Dichloroethene	13 UJ	1 U	1 U	1 U	1 U
1,1-Dichloroethane	13 UJ	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	13 UJ	1 U	0.2 J	0.2 J	2
trans-1,2-Dichloroethene	13 UJ	1 U	1 U	1 U	1 U
Chloroform	13 UJ	1 U	1 U	1 U	1 U
1,2-Dichloroethane	13 UJ	1 U	1 U	1 U	1 U
2-Butanone	13 UJ	5 UJ	9 UJ	11 UJ	10 UJ
Bromochloromethane	NA	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	13 UJ	1 U	1 U	1 U	1 U
Carbon tetrachloride	13 UJ	1 U	1 U	1 U	1 U
Bromodichloromethane	13 UJ	1 U	1 U	1 U	1 U
1,2-Dichloropropane	13 UJ	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	13 UJ	1 U	1 U	1 U	1 U
Trichloroethene	9 J	12	3	3	71 D
Dibromochloromethane	13 UJ	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	13 UJ	1 U	1 U	1 U	1 U
Benzene	13 UJ	0.7 J	1 U	1 U	0.5 J
trans-1,3-Dichloropropene	13 UJ	1 U	1 U	1 U	1 U
Bromoform	13 UJ	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	13 UJ	5 U	5 U	5 U	5 U
2-Hexanone	13 UJ	5 U	5 U	5 U	5 U
Tetrachloroethene	3 J	1 U	1 U	1 U	1

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 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutlery Area CCA2 LV-SBCCA2-06GW 06/16/1998 SimulProbe ug/kg	Cattaraugus Cutlery Area CCA3 LV-SBCCA3-33GW 07/01/1998 SimulProbe ug/L	Cattaraugus Cutlery Area MWCCA-1 LV-GWCCA1-01 07/16/1998 Groundwater ug/L	Cattaraugus Cutlery Area MWCCA-1 LV-GWCCA4-01 Duplicate of GWCCA1-01 07/16/1998 Groundwater ug/L	Cattaraugus Cutlery Area MWCCA-3 LV-GWCCA3-01 07/16/1998 Groundwater ug/L
1,1,2,2-Tetrachloroethane	13 UJ	1 U	1 U	1 U	1 U
1,2-Dibromoethane	NA	1 U	1 U	1 U	1 U
Toluene	13 UJ	2 J	1 U	1 U	1 U
Chlorobenzene	13 UJ	1 UJ	1 U	1 U	1 U
Ethylbenzene	13 UJ	1 UJ	1 U	1 U	1 U
Styrene	13 UJ	1 UJ	1 U	1 U	1 U
Xylenes (total)	13 UJ	2 J	1 U	1 U	1 U
1,3-Dichlorobenzene	NA	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	NA	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	NA	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	NA	R	1 U	1 U	1 U
1,2,4-Trichlorobenzene	NA	1 U	1 U	1 U	1 U
Total Volatile TICs	--	11 JN	--	--	--

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Area Location TtEC Sample I.D.	Cattaraugus Cutlery Area LV-3 LV-GWLV3-01	Cattaraugus Cutlery Area MWCCA-1 LV-GWCCA1-02	Cattaraugus Cutlery Area MWCCA-2 LV-GWCCA2-02	Cattaraugus Cutlery Area MWCCA-2 LV-GWCCA2-03	Cattaraugus Cutlery Area MWCCA-3 LV-GWCCA3-02
Sampling Date	07/16/1998	07/30/1998	07/27/1998	07/30/1998	07/30/1998
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	0.4 J	4 J	1 U	1 UJ	1 UJ
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 U	2 U	2 U	2 U	2 U
Acetone	R	R	R	R	14 J
Carbon disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	0.5 J	1 U	1 U	3
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.3 J	1 U	1 U	1 U	1 U
2-Butanone	R	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	7	12	12	67 D
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	0.4 J
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	R	R	R	R
Tetrachloroethene	1 U	1 U	0.3 J	0.3 J	1 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutlery Area LV-3 LV-GWLV3-01 07/16/1998 Groundwater ug/L	Cattaraugus Cutlery Area MWCCA-1 LV-GWCCA1-02 07/30/1998 Groundwater ug/L	Cattaraugus Cutlery Area MWCCA-2 LV-GWCCA2-02 07/27/1998 Groundwater ug/L	Cattaraugus Cutlery Area MWCCA-2 LV-GWCCA2-03 07/30/1998 Groundwater ug/L	Cattaraugus Cutlery Area MWCCA-3 LV-GWCCA3-02 07/30/1998 Groundwater ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	--	--	--	--	--

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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutleiy Area LV-3 LV-GWLV3-02 07/29/1998 Groundwater ug/L	King Window Area LV-9 LV-GWLV9-01 07/15/1998 Groundwater ug/L	King Window Area Production Well LV-GWKWPW-01 07/15/1998 Groundwater ug/L	King Window Area Production Well LV-GWKWWS-01 Duplicate of GWKWPW-01 07/15/1998 Groundwater ug/L	King Window Area LV-9 LV-GWLV9-02 07/29/1998 Groundwater ug/L
Chloromethane	1 UJ	1 U	1 U	1 U	1 UJ
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 U	2 U	2 U	2 U	2 U
Acetone	R	9 UJ	13 UJ	R	6 UJ
Carbon disulfide	1 U	3	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	0.3 J	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	R	2 J	5 UJ	R	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	0.3 J	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	3	2	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	R	5 U	5 U	5 U	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutlery Area LV-3 LV-GWLV3-02 07/29/1998 Groundwater ug/L	King Window Area LV-9 LV-GWLV9-01 07/15/1998 Groundwater ug/L	King Window Area Production Well LV-GWKWPW-01 07/15/1998 Groundwater ug/L	King Window Area Production Well LV-GWKWWS-01 Duplicate of GWKWPW-01 07/15/1998 Groundwater ug/L	King Window Area LV-9 LV-GWLV9-02 07/29/1998 Groundwater ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	--	--	--	--	--

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Area Location TtEC Sample I.D.	King Window Area Production Well LV-GWKWPW-02	First Street Area 1ST1 LV-SB1ST1-25GW	First Street Area 1ST1 LV-SB1ST1-26GW Duplicate of SB1ST1-25GW	Great Triangle Area GTA1 LV-SBGTA1-79GW	Great Triangle Area GTA1 LV-SBGTA1-84GW
Sampling Date	07/30/1998	06/10/1998	06/10/1998	07/01/1998	07/01/1998
Matrix	Groundwater	SimulProbe	SimulProbe	SimulProbe	SimulProbe
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	1 UJ	5	10	3 UJ	1 UJ
Bromomethane	1 U	1 U	1 U	3 UJ	1 UJ
Vinyl chloride	1 U	1 U	1 U	3 UJ	1 UJ
Chloroethane	1 U	1 U	1 U	3 UJ	1 UJ
Methylene chloride	2 U	2	0.8 J	7 UJ	2 UJ
Acetone	R	R	R	310 UJ	230 J
Carbon disulfide	1 U	1 U	1 U	3 UJ	1 UJ
1,1-Dichloroethene	1 U	1 U	1 U	3 UJ	1 UJ
1,1-Dichloroethane	1 U	1 U	1 U	3 UJ	1 UJ
cis-1,2-Dichloroethene	1 U	1 U	1 U	3 UJ	1 UJ
trans-1,2-Dichloroethene	1 U	1 U	1 U	3 UJ	1 UJ
Chloroform	1 U	2	2	2 J	1 UJ
1,2-Dichloroethane	1 U	1 U	1 U	3 UJ	1 UJ
2-Butanone	R	R	R	100 J	73 J
Bromochloromethane	1 U	1 U	1 U	3 UJ	1 UJ
1,1,1-Trichloroethane	1 U	1 U	1 U	R	R
Carbon tetrachloride	1 U	1 U	1 U	R	R
Bromodichloromethane	1 U	1 U	1 U	R	R
1,2-Dichloropropane	1 U	1 U	1 U	R	R
cis-1,3-Dichloropropene	1 U	1 U	1 U	R	R
Trichloroethene	2	1 U	1 U	R	4 J
Dibromochloromethane	1 U	1 U	1 U	R	R
1,1,2-Trichloroethane	1 U	1 U	1 U	R	R
Benzene	1 U	1 U	1 U	R	3 J
trans-1,3-Dichloropropene	1 U	1 U	1 U	R	R
Bromoform	1 U	1 U	1 U	R	R
4-Methyl-2-pentanone	5 U	5 U	5 U	16 UJ	5 UJ
2-Hexanone	R	R	R	16 UJ	5 J
Tetrachloroethene	1 U	1 U	1 U	3 UJ	1 UJ

See Table B-1 for abbreviations and data qualifiers.

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Area Location TtEC Sample I.D.	King Window Area Production Well LV-GWKWPW-02	First Street Area 1ST1 LV-SB1ST1-25GW	First Street Area 1ST1 LV-SB1ST1-26GW Duplicate of SB1ST1-25GW	Great Triangle Area GTA1 LV-SBGTA1-79GW	Great Triangle Area GTA1 LV-SBGTA1-84GW
Sampling Date	07/30/1998	06/10/1998	06/10/1998	07/01/1998	07/01/1998
Matrix	Groundwater	SimulProbe	SimulProbe	SimulProbe	SimulProbe
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	3 UJ	1 UJ
1,2-Dibromoethane	1 U	1 U	1 U	3 UJ	1 UJ
Toluene	1 U	1 U	0.5 J	3 UJ	3 J
Chlorobenzene	1 U	1 U	1 U	3 UJ	1 UJ
Ethylbenzene	1 U	1 U	1 U	3 UJ	0.6 J
Styrene	1 U	1 U	1 U	3 UJ	1 UJ
Xylenes (total)	1 U	1 U	1 U	3 UJ	2 UJ
1,3-Dichlorobenzene	1 U	1 U	1 U	3 UJ	1 UJ
1,4-Dichlorobenzene	1 U	1 U	1 U	3 UJ	1 UJ
1,2-Dichlorobenzene	1 U	1 U	1 U	3 UJ	1 UJ
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	3 UJ	1 UJ
1,2,4-Trichlorobenzene	1 U	1 U	1 U	3 UJ	1 UJ
Total Volatile TICs	--	2 JN	2 JN	26 JN	181 JN

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Area Location TtEC Sample I.D.	Great Triangle Area GTA2 LV-SBGTA2-22GW	Great Triangle Area GTA2 LV-SBGTA2-30GW	Great Triangle Area GTA2 LV-SBGTA2-31GW Duplicate of SBGTA2-30GW	Great Triangle Area GTA2 LV-SBGTA2-35GW	Great Triangle Area LV-8 LV-GWLV8-01
Sampling Date	06/25/1998	06/25/1998	06/25/1998	06/25/1998	07/14/1998
Matrix	SimulProbe	SimulProbe	SimulProbe	SimulProbe	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 U	2 U	2 U	2 U	2 U
Acetone	12 UJ	8 UJ	8 UJ	7 UJ	25 UJ
Carbon disulfide	1	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	5 UJ	5 UJ	5 UJ	R	8 UJ
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	0.3 J
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D.	Great Triangle Area GTA2 LV-SBGTA2-22GW	Great Triangle Area GTA2 LV-SBGTA2-30GW	Great Triangle Area GTA2 LV-SBGTA2-31GW Duplicate of SBGTA2-30GW	Great Triangle Area GTA2 LV-SBGTA2-35GW	Great Triangle Area LV-8 LV-GWLV8-01
Sampling Date	06/25/1998	06/25/1998	06/25/1998	06/25/1998	07/14/1998
Matrix	SimulProbe	SimulProbe	SimulProbe	SimulProbe	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	2 JN	--	2 JN	--	--

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Great Triangle Area PZ-47D LV-GWPZ47D-01	Great Triangle Area PZ-48 LV-GWPZ48-01	Great Triangle Area LV-8 LV-GWLV8-02	Great Triangle Area PZ-47D LV-GWPZ47D-02	Great Triangle Area PZ-48 LV-GWPZ48-02
Sampling Date	07/14/1998	07/14/1998	07/29/1998	07/29/1998	07/28/1998
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	2 U	1 U	1 U	1 UJ	7
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 U	2 U	2 U	2 U	0.9 J
Acetone	90 UJ	11 UJ	R	27 UJ	R
Carbon disulfide	0.4 J	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1	1 U	1 U	1 U	1 U
1,2-Dichloroethane	2 U	1 U	1 U	1 U	1 U
2-Butanone	277 JD	5 UJ	R	7 J	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	0.4 J	6	1 U	0.5 J	5
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	0.6 J	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	R	R	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D.	Great Triangle Area PZ-47D LV-GWPZ47D-01	Great Triangle Area PZ-48 LV-GWPZ48-01	Great Triangle Area LV-8 LV-GWLV8-02	Great Triangle Area PZ-47D LV-GWPZ47D-02	Great Triangle Area PZ-48 LV-GWPZ48-02
Sampling Date	07/14/1998	07/14/1998	07/29/1998	07/29/1998	07/28/1998
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	2	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	2 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	12 JN	--	--	--	--

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D.	Whig Street Area WSA1 LV-SBWSA1-30GW	Whig Street Area WSA1 LV-SBWSA1-35GW	Luminite Area PZ-36 LV-GWPZ36-01	Luminite Area PZ-42 LV-GWPZ42-01	Luminite Area PZ-43 LV-GWPZ43-01
Sampling Date	06/29/1998	06/29/1998	07/13/1998	07/13/1998	07/14/1998
Matrix	SimulProbe	SimulProbe	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 U	2 U	2 U	2 U	2 U
Acetone	8 UJ	12 UJ	5 UJ	7 UJ	5 UJ
Carbon disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	R	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	0.6 J	8	2	2
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 UJ	0.6 J	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D.	Whig Street Area WSA1 LV-SBWSA1-30GW	Whig Street Area WSA1 LV-SBWSA1-35GW	Luminite Area PZ-36 LV-GWPZ36-01	Luminite Area PZ-42 LV-GWPZ42-01	Luminite Area PZ-43 LV-GWPZ43-01
Sampling Date	06/29/1998	06/29/1998	07/13/1998	07/13/1998	07/14/1998
Matrix	SimulProbe	SimulProbe	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	0.8 J	2 J	1 U	1 U	1 U
Chlorobenzene	1 UJ	1 UJ	1 U	1 U	1 U
Ethylbenzene	1 UJ	1 UJ	1 U	1 U	1 U
Styrene	1 UJ	1 UJ	1 U	1 U	1 U
Xylenes (total)	0.8 J	1 J	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	1 U	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	2 JN	5 JN	--	--	--

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D.	Luminite Area PZ-51 LV-GWPZ51-01	Luminite Area PZ-59 LV-GWPZ59-01	Luminite Area PZ-60D LV-GWPZ60D-01	Luminite Area PZ-60D LV-GWPZ60S-01 Duplicate of GWPZ60D-01	Luminite Area PZ-36 LV-GWPZ36-02
Sampling Date	07/13/1998	07/13/1998	07/13/1998	07/13/1998	07/28/1998
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	1 U	1 U	1 U	1 U	2
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 U	2 U	2 U	2 U	0.4 J
Acetone	6 UJ	5 UJ	5 UJ	5 UJ	R
Carbon disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	R	R	1 J	2 J	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	8	8	10	10	6
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D.	Luminite Area PZ-51 LV-GWPZ51-01	Luminite Area PZ-59 LV-GWPZ59-01	Luminite Area PZ-60D LV-GWPZ60D-01	Luminite Area PZ-60D LV-GWPZ60S-01 Duplicate of GWPZ60D-01	Luminite Area PZ-36 LV-GWPZ36-02
Sampling Date	07/13/1998	07/13/1998	07/13/1998	07/13/1998	07/28/1998
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	--	--	--	--	--

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D.	Luminite Area PZ-42 LV-GWPZ42-02	Luminite Area PZ-43 LV-GWPZ43-02	Luminite Area PZ-43 LV-GWPZ83-02 Duplicate of GWPZ43-02	Luminite Area PZ-51 LV-GWPZ51-02	Luminite Area PZ-59 LV-GWPZ59-02
Sampling Date	07/28/1998	07/28/1998	07/28/1998	07/27/1998	07/29/1998
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	1 U	3	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 U	0.6 J	2 U	2 U	2 U
Acetone	R	R	R	R	R
Carbon disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	R	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	2	0.5 J	0.5 J	8	7
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	R	R	R	R	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area Location TtEC Sample I.D.	Luminite Area PZ-42 LV-GWPZ42-02	Luminite Area PZ-43 LV-GWPZ43-02	Luminite Area PZ-43 LV-GWPZ83-02 Duplicate of GWPZ43-02	Luminite Area PZ-51 LV-GWPZ51-02	Luminite Area PZ-59 LV-GWPZ59-02
Sampling Date	07/28/1998	07/28/1998	07/28/1998	07/27/1998	07/29/1998
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	--	--	--	--	--

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area	Luminite Area
Location	PZ-60D
TtEC Sample I.D.	LV-GWPZ60D-02
Sampling Date	07/28/1998
Matrix	Groundwater
Units	ug/L

Chloromethane	1 U
Bromomethane	1 U
Vinyl chloride	1 U
Chloroethane	1 U
Methylene chloride	2 U
Acetone	R
Carbon disulfide	1 U
1,1-Dichloroethene	1 U
1,1-Dichloroethane	1 U
cis-1,2-Dichloroethene	1 U
trans-1,2-Dichloroethene	1 U
Chloroform	1 U
1,2-Dichloroethane	1 U
2-Butanone	R
Bromochloromethane	1 U
1,1,1-Trichloroethane	1 U
Carbon tetrachloride	1 U
Bromodichloromethane	1 U
1,2-Dichloropropane	1 U
cis-1,3-Dichloropropene	1 U
Trichloroethene	8
Dibromochloromethane	1 U
1,1,2-Trichloroethane	1 U
Benzene	1 U
trans-1,3-Dichloropropene	1 U
Bromoform	1 U
4-Methyl-2-pentanone	5 U
2-Hexanone	R
Tetrachloroethene	1 U

TABLE B-2
 Volatile Organic Compounds - Groundwater (1998)
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Area	Luminite Area
Location	PZ-60D
TtEC Sample I.D.	LV-GWPZ60D-02
Sampling Date	07/28/1998
Matrix	Groundwater
Units	ug/L

1,1,2,2-Tetrachloroethane	1 U
1,2-Dibromoethane	1 U
Toluene	1 U
Chlorobenzene	1 U
Ethylbenzene	1 U
Styrene	1 U
Xylenes (total)	1 U
1,3-Dichlorobenzene	1 U
1,4-Dichlorobenzene	1 U
1,2-Dichlorobenzene	1 U
1,2-Dibromo-3-chloropropane	1 U
1,2,4-Trichlorobenzene	1 U
Total Volatile TICs	--

TABLE B-3
Volatile Organic Compounds - Groundwater (1999)
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-2 LI-GW-CCA2-04	Cattaraugus Cutlery MWCCA-4 LI-GW-CCA4-01	Cattaraugus Cutlery MWCCA-5 LI-GW-CCA5-01	Cattaraugus Cutlery MWCCA-8 LI-GW-CCA8-01 Duplicate of MWCCA-5	Cattaraugus Cutlery MWCCA-6 LI-GW-CCA6-01
Sampling Date	10/13/1999	10/12/1999	10/12/1999	10/12/1999	10/13/1999
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	1	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	2 U	2 U	2 U	2 U	2 U
Acetone	29 J	12 UJ	12 UJ	R	8 J
Carbon Disulfide	2 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	0.5 J
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.4 J	1 U	1 U	1 U	1 U
2-Butanone	8 J	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	8	1 U	3	2	31 D
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	R
Tetrachloroethene	0.3 J	1 U	1 U	1 U	1

See Table B-1 for abbreviations and data qualifiers.

TABLE B-3
 Volatile Organic Compounds - Groundwater (1999)
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-2 LI-GW-CCA2-04	Cattaraugus Cutlery MWCCA-4 LI-GW-CCA4-01	Cattaraugus Cutlery MWCCA-5 LI-GW-CCA5-01	Cattaraugus Cutlery MWCCA-8 LI-GW-CCA8-01 Duplicate of MWCCA-5	Cattaraugus Cutlery MWCCA-6 LI-GW-CCA6-01
Sampling Date	10/13/1999	10/12/1999	10/12/1999	10/12/1999	10/13/1999
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	--	--	--	--	--

TABLE B-3
 Volatile Organic Compounds - Groundwater (1999)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutlery MWCCA-7 LI-GW-CCA7-01 10/13/1999 Groundwater ug/L	Cattaraugus Cutlery Production Well LI-GW-CCAPW-01 10/13/1999 Groundwater ug/L	Cattaraugus Cutlery MWCCA-2 LI-GW-CCA2-05 10/27/1999 Groundwater ug/L	Cattaraugus Cutlery MWCCA-4 LI-GW-CCA4-02 10/26/1999 Groundwater ug/L	Cattaraugus Cutlery MWCCA-5 LI-GW-CCA5-02 10/26/1999 Groundwater ug/L
Chloromethane	1 U	1 U	0.7 J	1 U	0.5 J
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	2 U	2 U	2 U	2 U	2 U
Acetone	13 J	R	18 UJ	R	9 UJ
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	R	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	0.8 J	1 U	3	1 U	1
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 UJ	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	R	5 U	5 U
2-Hexanone	R	5 U	R	R	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-3
 Volatile Organic Compounds - Groundwater (1999)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-7 LI-GW-CCA7-01	Cattaraugus Cutlery Production Well LI-GW-CCAPW-01	Cattaraugus Cutlery MWCCA-2 LI-GW-CCA2-05	Cattaraugus Cutlery MWCCA-4 LI-GW-CCA4-02	Cattaraugus Cutlery MWCCA-5 LI-GW-CCA5-02
Sampling Date	10/13/1999	10/13/1999	10/27/1999	10/26/1999	10/26/1999
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 UJ	1 U	1 U	2 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	1 UJ	1 UJ	1 UJ
1,2,4-Trichlorobenzene	1 U	1 U	1 UJ	1 U	1 U
Total Volatile TICs	--	--	--	--	--

TABLE B-3
 Volatile Organic Compounds - Groundwater (1999)
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutlery MWCCA-6 LI-GW-CCA6-02 10/26/1999 Groundwater ug/L	Cattaraugus Cutlery MWCCA-9 LI-GW-CCA9-02 Duplicate of MWCCA-6 10/26/1999 Groundwater ug/L	Cattaraugus Cutlery MWCCA-7 LI-GW-CCA7-02 10/27/1999 Groundwater ug/L	Cattaraugus Cutlery Production Well LI-GW-CCAPW-02 10/27/1999 Groundwater ug/L
Chloromethane	0.9 J	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U
Methylene Chloride	2 U	2 U	2 U	2 U
Acetone	14 UJ	7 UJ	R	R
Carbon Disulfide	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	2	2	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U
2-Butanone	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U
Trichloroethene	62 D	62 D	2	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 UJ	1 UJ
Bromoform	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	R	R
2-Hexanone	R	R	R	R
Tetrachloroethene	3	2	1 U	1 U

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 Volatile Organic Compounds - Groundwater (1999)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutlery MWCCA-6 LI-GW-CCA6-02 10/26/1999 Groundwater ug/L	Cattaraugus Cutlery MWCCA-9 LI-GW-CCA9-02 Duplicate of MWCCA-6 10/26/1999 Groundwater ug/L	Cattaraugus Cutlery MWCCA-7 LI-GW-CCA7-02 10/27/1999 Groundwater ug/L	Cattaraugus Cutlery Production Well LI-GW-CCAPW-02 10/27/1999 Groundwater ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U
Toluene	1 U	1 UJ	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 UJ	1 UJ	1 UJ	1 UJ
1,2,4-Trichlorobenzene	1 U	1 U	1 UJ	1 UJ
Total Volatile TICs	--	--	--	--

TABLE B-4
 Volatile Organic Compounds - Groundwater (2000/2001)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Units	Bush Industries MW-1 LV-BIA-GW-MW1-01 1/4/01 ug/L	Bush Industries MW-D1 LV-BIA-GW-MWD1-01 1/10/01 ug/L	Bush Industries MW-2 LV-BIA-GW-MW2-01 1/10/01 ug/L	Bush Industries MW-D2 LV-BIA-GW-MWD2-01 1/10/01 ug/L	Bush Industries MW-D2 LV-BIA-GW-MWD3-01 1/10/01 ug/L
Chloromethane	1 U	1 U	10 U	10 U	10 U
Bromomethane	1 U	1 U	10 U	10 U	10 U
Vinyl Chloride	1 U	1 U	10 U	10 U	10 U
Chloroethane	1 U	1 U	10 U	10 U	10 U
Methylene Chloride	2 U	2 U	20 U	20 U	20 U
Acetone	R	R	R	R	R
Carbon Disulfide	1 U	1 U	10 U	10 U	10 U
1,1-Dichloroethene	1 U	1 U	10 U	10 U	10 U
1,1-Dichloroethane	1 U	1 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	1 U	8	44	36	29
trans-1,2-Dichloroethene	1 U	1 U	10 U	10 U	10 U
Chloroform	1 U	1 U	10 U	10 U	10 U
1,2-Dichloroethane	1 U	1 U	10 U	10 U	10 U
2-Butanone	R	R	R	R	R
Bromochloromethane	1 U	1 U	10 U	10 U	10 U
1,1,1-Trichloroethane	1 U	1 U	10 U	10 U	10 U
Carbon Tetrachloride	1 U	1 U	10 U	10 U	10 U
Bromodichloromethane	1 U	1 U	10 U	10 U	10 U
1,2-Dichloropropane	1 U	1 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	1 U	1 U	10 U	10 U	10 U
Trichloroethene	1 U	18	110	140	110
Dibromochloromethane	1 U	1 U	10 U	10 U	10 U
1,1,2-Trichloroethane	1 U	1 U	10 U	10 U	10 U
Benzene	1 U	1 U	10 U	10 U	10 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-4
 Volatile Organic Compounds - Groundwater (2000/2001)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Units	Bush Industries MW-1 LV-BIA-GW-MW1-01 1/4/01 ug/L	Bush Industries MW-D1 LV-BIA-GW-MWD1-01 1/10/01 ug/L	Bush Industries MW-2 LV-BIA-GW-MW2-01 1/10/01 ug/L	Bush Industries MW-D2 LV-BIA-GW-MWD2-01 1/10/01 ug/L	Bush Industries MW-D2 LV-BIA-GW-MWD3-01 1/10/01 ug/L
trans-1,3-Dichloropropene	1 U	1 U	10 U	10 U	10 U
Bromoform	1 U	1 U	10 U	10 U	10 U
4-Methyl-2-pentanone	5 U	5 U	50 U	50 U	50 U
2-Hexanone	R	R	R	R	R
Tetrachloroethene	1 U	1 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	1 U	1 U	10 U	10 U	10 U
1,2-Dibromoethane	1 U	1 U	10 U	10 U	10 U
Toluene	1 U	1 U	10 U	10 U	10 U
Chlorobenzene	1 U	1 U	10 U	10 U	10 U
Ethylbenzene	1 U	1 U	10 U	10 U	10 U
Styrene	1 U	1 U	10 U	10 U	10 U
Xylenes (total)	1 U	1 U	10 U	10 U	10 U
1,3-Dichlorobenzene	1 U	1 U	10 U	10 U	10 U
1,4-Dichlorobenzene	1 U	1 U	10 U	10 U	10 U
1,2-Dichlorobenzene	1 U	1 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	R	R	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	10 U	10 U	10 U
Total Volatile TICs	--	--	--	--	--

TABLE B-4
 Volatile Organic Compounds - Groundwater (2000/2001)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Units	Bush Industries MW-3 LV-BIA-GW-MW3-01 1/9/01 ug/L	Bush Industries MW-4 LV-BIA-GW-MW4-01 1/8/01 ug/L	Bush Industries MW-5 LV-BIA-GW-MW5-01 1/4/01 ug/L	Bush Industries MW-6 LV-BIA-GW-MW6-01 1/10/01 ug/L	Bush Industries MW-7 LV-BIA-GW-MW7-01 1/9/01 ug/L
Chloromethane	1 U	1 U	1 U	5 U	1 U
Bromomethane	1 U	1 U	1 U	5 U	1 U
Vinyl Chloride	1 U	1 U	1 U	5 U	1 U
Chloroethane	1 U	1 U	1 U	5 U	1 U
Methylene Chloride	2 U	2 U	2 U	10 U	2 U
Acetone	R	R	R	R	R
Carbon Disulfide	1 U	1 U	1 U	5 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	5 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	5 U	1 U
cis-1,2-Dichloroethene	3	1 U	1 U	44	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	5 U	1 U
Chloroform	1 U	1 U	1 U	5 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	5 U	1 U
2-Butanone	R	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	5 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	5 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	5 U	1 U
Bromodichloromethane	1 U	1 U	1 U	5 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	5 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	5 U	1 U
Trichloroethene	8	0.9 J	1 U	37	0.9 J
Dibromochloromethane	1 U	1 U	1 U	5 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	5 U	1 U
Benzene	1 U	1 U	1 U	5 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-4
 Volatile Organic Compounds - Groundwater (2000/2001)
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Area Location TtEC Sample I.D. Sampling Date Units	Bush Industries MW-3 LV-BIA-GW-MW3-01 1/9/01 ug/L	Bush Industries MW-4 LV-BIA-GW-MW4-01 1/8/01 ug/L	Bush Industries MW-5 LV-BIA-GW-MW5-01 1/4/01 ug/L	Bush Industries MW-6 LV-BIA-GW-MW6-01 1/10/01 ug/L	Bush Industries MW-7 LV-BIA-GW-MW7-01 1/9/01 ug/L
trans-1,3-Dichloropropene	1 U	1 U	1 U	5 U	1 U
Bromoform	1 U	1 U	1 U	5 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	25 U	5 U
2-Hexanone	R	R	R	R	R
Tetrachloroethene	1 U	1 U	1 U	5 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	5 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	5 U	1 U
Toluene	1 U	1 U	1 U	5 U	1 U
Chlorobenzene	1 U	1 U	1 U	5 U	1 U
Ethylbenzene	1 U	1 U	1 U	5 U	1 U
Styrene	1 U	1 U	1 U	5 U	1 U
Xylenes (total)	1 U	1 U	1 U	5 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	5 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	5 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	5 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	1 U	5 U	1 U
Total Volatile TICs	--	--	--	--	--

TABLE B-4
 Volatile Organic Compounds - Groundwater (2000/2001)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Units	Bush Industries MW-8 LV-BIA-GW-MW8-01 1/12/01 ug/L	Bush Industries MW-U1 LV-BIA-GW-MWU1-01 1/8/01 ug/L	Cattaraugus Cutlery MW-8 LV-CCA-GW-MW8-01 1/10/01 ug/L
Chloromethane	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U
Methylene Chloride	2 U	2 U	2 U
Acetone	R	R	R
Carbon Disulfide	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U
cis-1,2-Dichloroethene	0.6 J	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U
2-Butanone	R	R	R
Bromochloromethane	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U
Trichloroethene	4	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U
Benzene	1 U	1 U	1 U

TABLE B-4
 Volatile Organic Compounds - Groundwater (2000/2001)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Units	Bush Industries MW-8 LV-BIA-GW-MW8-01 1/12/01 ug/L	Bush Industries MW-U1 LV-BIA-GW-MWU1-01 1/8/01 ug/L	Cattaraugus Cutlery MW-8 LV-CCA-GW-MW8-01 1/10/01 ug/L
trans-1,3-Dichloropropene	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U
2-Hexanone	R	R	R
Tetrachloroethene	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U
Toluene	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U
Styrene	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	1 U
Total Volatile TICs	--	--	--

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Bush Industries BIAMW-1 LV-GW-BIA-MW1-MNA	Bush Industries BIAMW-2 LV-GW-BIA-MW2-MNA	Bush Industries BIAMW-3 LV-GW-BIA-MW3-MNA	Bush Industries BIAMW-7 LV-GW-BIA-MW7-MNA	Bush Industries MWD-1 LV-GW-BIA-MWD1-MNA
Sampling Date	12/09/2003	12/11/2003	12/10/2003	12/09/2003	12/10/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.5 U	0.63	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U
Benzene	0.5 U	0.32 J	0.5 U	0.5 U	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Bush Industries BIAMW-1 LV-GW-BIA-MW1-MNA	Bush Industries BIAMW-2 LV-GW-BIA-MW2-MNA	Bush Industries BIAMW-3 LV-GW-BIA-MW3-MNA	Bush Industries BIAMW-7 LV-GW-BIA-MW7-MNA	Bush Industries MWD-1 LV-GW-BIA-MWD1-MNA
Sampling Date	12/09/2003	12/11/2003	12/10/2003	12/09/2003	12/10/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	40 D	2.2	0.5 U	4.8
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA
m/p-xylene	NA	NA	NA	NA	NA
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	5 U	5 U	5 U	5 U	5 U
Methyl isobutyl ketone (MIBK)	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene bromide	NA	NA	NA	NA	NA
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Bush Industries BIAMW-1 LV-GW-BIA-MW1-MNA	Bush Industries BIAMW-2 LV-GW-BIA-MW2-MNA	Bush Industries BIAMW-3 LV-GW-BIA-MW3-MNA	Bush Industries BIAMW-7 LV-GW-BIA-MW7-MNA	Bush Industries MWD-1 LV-GW-BIA-MWD1-MNA
Sampling Date	12/09/2003	12/11/2003	12/10/2003	12/09/2003	12/10/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	NA	NA	NA	NA	NA
p-Chlorotoluene	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.28 J	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Trichloroethylene	0.5 U	36 D	6.3	0.75	12
Trichlorofluoromethane	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ
Vinyl chloride	0.5 U	4.8	0.5 U	0.5 U	0.5 U
Xylene (total)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	R	--	--	--

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Bush Industries MWD-2 LV-GW-BIA-MWD2-MNA	Cattaraugus Cutlery CCAGEO-1 LV-GW-CCA-GEO1-34	Cattaraugus Cutlery CCAGEO-1 LV-GW-CCA-GEO7-34 Duplicate	Cattaraugus Cutlery CCAGEO-2 LV-GW-CCA-GE02-30	Cattaraugus Cutlery CCAGEO-3 LV-GW-CCA-GE03-30
	12/11/2003	09/08/2003	09/08/2003	09/09/2003	09/09/2003
	Groundwater	Direct Push (34.00)	Direct Push (34.00)	Direct Push (30.00)	Direct Push (30.00)
	ug/L	ug/L	ug/L	ug/L	ug/L

1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.81	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Hexanone	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Bush Industries MWD-2 LV-GW-BIA-MWD2-MNA	Cattaraugus Cutlery CCAGEO-1 LV-GW-CCA-GEO1-34	Cattaraugus Cutlery CCAGEO-1 LV-GW-CCA-GEO7-34 Duplicate	Cattaraugus Cutlery CCAGEO-2 LV-GW-CCA-GE02-30	Cattaraugus Cutlery CCAGEO-3 LV-GW-CCA-GE03-30
	12/11/2003 Groundwater ug/L	09/08/2003 Direct Push (34.00) ug/L	09/08/2003 Direct Push (34.00) ug/L	09/09/2003 Direct Push (30.00) ug/L	09/09/2003 Direct Push (30.00) ug/L
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	NA	NA	NA	NA
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	18 D	0.5 U	0.5 U	0.7	0.72
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.71	0.75	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA
m/p-xylene	NA	0.73	0.75	0.5 U	0.5 U
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl isobutyl ketone (MIBK)	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene bromide	NA	NA	NA	NA	NA
Methylene chloride	0.5 U	0.97 UJ	1.4 UJ	1.3 UJ	1.3 UJ

See Table B-1 for abbreviations and data qualifiers.

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Bush Industries MWD-2 LV-GW-BIA-MWD2-MNA	Cattaraugus Cutlery CCAGEO-1 LV-GW-CCA-GEO1-34	Cattaraugus Cutlery CCAGEO-1 LV-GW-CCA-GEO7-34 Duplicate 09/08/2003	Cattaraugus Cutlery CCAGEO-2 LV-GW-CCA-GEO2-30	Cattaraugus Cutlery CCAGEO-3 LV-GW-CCA-GEO3-30
Sampling Date	12/11/2003	09/08/2003	09/08/2003	09/09/2003	09/09/2003
Matrix	Groundwater	Direct Push (34.00)	Direct Push (34.00)	Direct Push (30.00)	Direct Push (30.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	NA	0.5 U	0.5 U	0.5 U	0.5 U
p-Chlorotoluene	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	10	12
Toluene	0.5 U	0.86	0.86	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene	78 D	0.79	0.9	63 D	76 D
Trichlorofluoromethane	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	0.5 U	NA	NA	NA	NA
Total Volatile TICs	--	--	--	--	--

TABLE B-5
Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery CCAGEO-4 LV-GW-CCA-GE04-30	Cattaraugus Cutlery CCAGEO-5 LV-GW-CCA-GE05-30	Cattaraugus Cutlery CCAGEO-6 LV-GW-CCA-GE06-30	Cattaraugus Cutlery MWCCA-2 LV-GW-CCA2-MNA	Cattaraugus Cutlery MWCCA-3 LV-GW-CCA3-MNA
Sampling Date	09/10/2003	09/10/2003	09/10/2003	12/03/2003	12/02/2003
Matrix	Direct Push (30.00)	Direct Push (30.00)	Direct Push (30.00)	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Hexanone	0.5 U	0.5 U	0.5 U	5 U	5 U
Acetone	2.5 U	2.5 U	2.5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery CCAGEO-4 LV-GW-CCA-GE04-30	Cattaraugus Cutlery CCAGEO-5 LV-GW-CCA-GE05-30	Cattaraugus Cutlery CCAGEO-6 LV-GW-CCA-GE06-30	Cattaraugus Cutlery MWCCA-2 LV-GW-CCA2-MNA	Cattaraugus Cutlery MWCCA-3 LV-GW-CCA3-MNA
Sampling Date	09/10/2003	09/10/2003	09/10/2003	12/03/2003	12/02/2003
Matrix	Direct Push (30.00)	Direct Push (30.00)	Direct Push (30.00)	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	NA	NA	NA	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	3.7
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.52	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA
m/p-xylene	0.5 U	0.5 U	0.5 U	NA	NA
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	0.5 U	0.5 U	0.5 U	5 U	5 U
Methyl isobutyl ketone (MIBK)	0.5 U	0.5 U	0.5 U	5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene bromide	NA	NA	NA	NA	NA
Methylene chloride	2.5 UJ	2.3 UJ	2.5 UJ	0.5 U	0.5 U

TABLE B-5
Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery CCAGEO-4 LV-GW-CCA-GE04-30	Cattaraugus Cutlery CCAGEO-5 LV-GW-CCA-GE05-30	Cattaraugus Cutlery CCAGEO-6 LV-GW-CCA-GE06-30	Cattaraugus Cutlery MWCCA-2 LV-GW-CCA2-MNA	Cattaraugus Cutlery MWCCA-3 LV-GW-CCA3-MNA
Sampling Date	09/10/2003	09/10/2003	09/10/2003	12/03/2003	12/02/2003
Matrix	Direct Push (30.00)	Direct Push (30.00)	Direct Push (30.00)	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	NA	NA
p-Chlorotoluene	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethylene	0.65	2.6	1.1	0.2 J	0.67
Toluene	0.5 U	0.5 U	0.66	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene	62 D	76 D	23	9.8	58 D
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	NA	NA	NA	0.5 U	0.5 U
Total Volatile TICs	--	--	--	--	--

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-4 LV-GW-CCA4-MNA	Cattaraugus Cutlery MWCCA-6 LV-GW-CCA6-MNA	Cattaraugus Cutlery MWCCA-6 LV-GW-CCA16-MNA Duplicate	Cattaraugus Cutlery MWCCA-9D LV-GW-CCA9D-01	Cattaraugus Cutlery MWCCA-10 LV-GW-CCA10-01
Sampling Date	11/19/2003	12/01/2003	12/01/2003	11/18/2003	11/12/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	0.50 U	NA	NA	0.50 U	0.5 U
1,1,1-Trichloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1,2,2-Tetrachloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1,2-Trichloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1-Dichloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1-Dichloroethylene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1-Dichloropropene	0.50 U	NA	NA	0.50 U	0.5 U
1,2,3-Trichlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,2,3-Trichloropropane	0.50 U	NA	NA	0.50 U	0.5 U
1,2,4-Trichlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,2-Dibromoethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,2-Dichloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,2-Dichloropropane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,3-Dichloropropane	0.50 U	NA	NA	0.50 U	0.5 U
2,2-Dichloropropane	0.50 U	NA	NA	0.50 U	0.5 U
2-Hexanone	1.0 U	5 U	5 U	1.0 U	1 U
Acetone	1.0 U	5 U	5 U	1.1	1.2
Benzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Benzene, 1,2,4-trimethyl	0.50 U	NA	NA	0.50 U	0.5 U
Benzene, 1,3,5-trimethyl-	0.50 U	NA	NA	0.50 U	0.5 U
Benzene, 1-methylethyl-	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Bromobenzene	0.50 U	NA	NA	0.50 U	0.5 U
Bromodichloromethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Bromoform	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Carbon disulfide	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-4 LV-GW-CCA4-MNA	Cattaraugus Cutlery MWCCA-6 LV-GW-CCA6-MNA	Cattaraugus Cutlery MWCCA-6 LV-GW-CCA16-MNA Duplicate	Cattaraugus Cutlery MWCCA-9D LV-GW-CCA9D-01	Cattaraugus Cutlery MWCCA-10 LV-GW-CCA10-01
Sampling Date	11/19/2003	12/01/2003	12/01/2003	11/18/2003	11/12/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Chlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Chlorobromomethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Chloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Chloroform	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
cis-1,2-Dichloroethylene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
cis-1,3-Dichloropropene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Cyclohexane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Dibromochloromethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Dibromochloropropane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Dichlorodifluoromethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Ethylbenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Freon 113	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Hexachlorobutadiene	0.50 U	NA	NA	0.50 U	0.5 U
m/p-xylene	0.50 U	NA	NA	0.50 U	0.5 U
m-Dichlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methyl Acetate	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methyl bromide	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methyl chloride	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methyl ethylketone	1.0 U	5 U	5 U	1.0 U	1 U
Methyl isobutyl ketone (MIBK)	1.0 U	5 U	5 U	1.0 U	1 U
Methyl tert-butyl ether	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methylcyclohexane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methylene bromide	0.50 U	NA	NA	0.50 U	0.5 U
Methylene chloride	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-4 LV-GW-CCA4-MNA	Cattaraugus Cutlery MWCCA-6 LV-GW-CCA6-MNA	Cattaraugus Cutlery MWCCA-6 LV-GW-CCA16-MNA Duplicate	Cattaraugus Cutlery MWCCA-9D LV-GW-CCA9D-01	Cattaraugus Cutlery MWCCA-10 LV-GW-CCA10-01
Sampling Date	11/19/2003	12/01/2003	12/01/2003	11/18/2003	11/12/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	0.50 U	NA	NA	0.50 U	0.5 U
n-Butylbenzene	0.50 U	NA	NA	0.50 U	0.5 U
n-Propylbenzene	0.50 U	NA	NA	0.50 U	0.5 U
o-Chlorotoluene	0.50 U	NA	NA	0.50 U	0.5 U
o-Dichlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
o-Xylene	0.50 U	NA	NA	0.50 U	0.5 U
p-Chlorotoluene	0.50 U	NA	NA	0.50 U	0.5 U
p-Cymene	0.50 U	NA	NA	0.50 U	0.5 U
p-Dichlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
sec-Butylbenzene	0.50 U	NA	NA	0.50 U	0.5 U
Styrene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
tert-Butylbenzene	0.50 U	NA	NA	0.50 U	0.5 U
Tetrachloroethylene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Toluene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
trans-1,2-Dichloroethene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
trans-1,3-Dichloropropene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Trichloroethylene	0.50 U	0.2 J	0.22 J	1.4	1.4
Trichlorofluoromethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Vinyl chloride	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Xylene (total)	NA	0.5 U	0.5 U	NA	NA
Total Volatile TICs	--	--	--	--	--

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-11D LV-GW-CCA11D-01	Cattaraugus Cutlery MWCCA-12 LV-GW-CCA12-01	Cattaraugus Cutlery MWCCA-12 LV-GW-CCA13-01 Duplicate	Cattaraugus Cutlery PZ-20D LV-GW-PZ20DMNA	Railroad Avenue RRAAGEO-1 LV-GW-RRAA-GEO1-32
Sampling Date	11/18/2003	11/12/2003	11/12/2003	11/19/2003	09/15/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Direct Push (32.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	0.50 U	0.5 U	0.5 U	0.50 U	NA
1,1,1-Trichloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1,2,2-Tetrachloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1,2-Trichloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1-Dichloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1-Dichloroethylene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1-Dichloropropene	0.50 U	0.5 U	0.5 U	0.50 U	NA
1,2,3-Trichlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 UJ
1,2,3-Trichloropropane	0.50 U	0.5 U	0.5 U	0.50 U	NA
1,2,4-Trichlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,2-Dibromoethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,2-Dichloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,2-Dichloropropane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
1,3-Dichloropropane	0.50 U	0.5 U	0.5 U	0.50 U	NA
2,2-Dichloropropane	0.50 U	0.5 U	0.5 U	0.50 U	NA
2-Hexanone	1.0 U	1 U	1 U	1.0 U	5
Acetone	1.0 U	1 U	1.2	1.0 U	91
Benzene	0.50 U	0.5 U	0.5 U	0.50 U	0.16 J
Benzene, 1,2,4-trimethyl	0.50 U	0.5 U	0.5 U	0.50 U	NA
Benzene, 1,3,5-trimethyl-	0.50 U	0.5 U	0.5 U	0.50 U	NA
Benzene, 1-methylethyl-	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Bromobenzene	0.50 U	0.5 U	0.5 U	0.50 U	NA
Bromodichloromethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Bromoform	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Carbon disulfide	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U

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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-11D LV-GW-CCA11D-01	Cattaraugus Cutlery MWCCA-12 LV-GW-CCA12-01	Cattaraugus Cutlery MWCCA-12 LV-GW-CCA13-01 Duplicate	Cattaraugus Cutlery PZ-20D LV-GW-PZ20DMNA	Railroad Avenue RRAAGEO-1 LV-GW-RRAA-GEO1-32
Sampling Date	11/18/2003	11/12/2003	11/12/2003	11/19/2003	09/15/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Direct Push (32.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Chlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Chlorobromomethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Chloroethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Chloroform	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
cis-1,2-Dichloroethylene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
cis-1,3-Dichloropropene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Cyclohexane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Dibromochloromethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Dibromochloropropane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Dichlorodifluoromethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Ethylbenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Freon 113	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Hexachlorobutadiene	0.50 U	0.5 U	0.5 U	0.50 U	NA
m/p-xylene	0.50 U	0.5 U	0.5 U	0.50 U	NA
m-Dichlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methyl Acetate	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methyl bromide	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methyl chloride	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methyl ethylketone	1.0 U	1 U	1 U	1.0 U	5 U
Methyl isobutyl ketone (MIBK)	1.0 U	1 U	1 U	1.0 U	1.9 J
Methyl tert-butyl ether	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methylcyclohexane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Methylene bromide	0.50 U	0.5 U	0.5 U	0.50 U	NA
Methylene chloride	0.50 U	0.5 U	0.5 U	9.0 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutlery MWCCA-11D LV-GW-CCA11D-01 11/18/2003 Groundwater ug/L	Cattaraugus Cutlery MWCCA-12 LV-GW-CCA12-01 11/12/2003 Groundwater ug/L	Cattaraugus Cutlery MWCCA-12 LV-GW-CCA13-01 Duplicate 11/12/2003 Groundwater ug/L	Cattaraugus Cutlery PZ-20D LV-GW-PZ20DMNA 11/19/2003 Groundwater ug/L	Railroad Avenue RRAAGEO-1 LV-GW-RRAA-GEO1-32 09/15/2003 Direct Push (32.00) ug/L
Naphthalene	0.50 U	0.5 U	0.5 U	0.50 U	NA
n-Butylbenzene	0.50 U	0.5 U	0.5 U	0.50 U	NA
n-Propylbenzene	0.50 U	0.5 U	0.5 U	0.50 U	NA
o-Chlorotoluene	0.50 U	0.5 U	0.5 U	0.50 U	NA
o-Dichlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
o-Xylene	0.50 U	0.5 U	0.5 U	0.50 U	NA
p-Chlorotoluene	0.50 U	0.5 U	0.5 U	0.50 U	NA
p-Cymene	0.50 U	0.5 U	0.5 U	0.50 U	NA
p-Dichlorobenzene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
sec-Butylbenzene	0.50 U	0.5 U	0.5 U	0.50 U	NA
Styrene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
tert-Butylbenzene	0.50 U	0.5 U	0.5 U	0.50 U	NA
Tetrachloroethylene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Toluene	0.50 U	0.5 U	0.5 U	0.50 U	0.3 J
trans-1,2-Dichloroethene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
trans-1,3-Dichloropropene	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Trichloroethylene	0.50 U	11	10	0.50 U	0.22 J
Trichlorofluoromethane	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Vinyl chloride	0.50 U	0.5 U	0.5 U	0.50 U	0.5 U
Xylene (total)	NA	NA	NA	NA	0.5 U
Total Volatile TICs	--	--	--	--	--

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Area Location TiEC Sample ID.	Railroad Avenue RRAAGEO-1 LV-GW-RRAA-GEO1-40	Railroad Avenue RRAAGEO-1 LV-GW-RRAA-GE01-72	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GEO2-50	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GEO2-60	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GEO13-60 Duplicate
Sampling Date	09/15/2003	09/17/2003	09/23/2003	09/23/2003	09/23/2003
Matrix	Direct Push (40.00)	Direct Push (72.00)	Direct Push (50.00)	Direct Push (60.00)	Direct Push (60.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.16 J	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.16 J	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Hexanone	5 U	0.5 U	5 U	5 U	5 U
Acetone	30	28 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TiEC Sample I.D.	Railroad Avenue RRAAGEO-1 LV-GW-RRAA-GEO1-40	Railroad Avenue RRAAGEO-1 LV-GW-RRAA-GE01-72	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GEO2-50	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GEO2-60	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GEO13-60 Duplicate 09/23/2003
Sampling Date	09/15/2003	09/17/2003	09/23/2003	09/23/2003	09/23/2003
Matrix	Direct Push (40.00)	Direct Push (72.00)	Direct Push (50.00)	Direct Push (60.00)	Direct Push (60.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	NA	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA
m/p-xylene	NA	0.5 U	NA	NA	NA
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	7.7	5.1	5 U	5 U	5 U
Methyl isobutyl ketone (MIBK)	5 U	0.5 U	5 U	5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene bromide	NA	NA	NA	NA	NA
Methylene chloride	0.5 U	1.8 UJ	0.59 UJ	0.5 U	1 UJ

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Railroad Avenue RRAAGEO-1 LV-GW-RRAA-GEO1-40 09/15/2003 Direct Push (40.00) ug/L	Railroad Avenue RRAAGEO-1 LV-GW-RRAA-GEO1-72 09/17/2003 Direct Push (72.00) ug/L	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GEO2-50 09/23/2003 Direct Push (50.00) ug/L	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GEO2-60 09/23/2003 Direct Push (60.00) ug/L	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GEO13-60 Duplicate 09/23/2003 Direct Push (60.00) ug/L
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	NA	0.5 U	NA	NA	NA
p-Chlorotoluene	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.81	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene	0.5 U	0.57	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	0.5 U	NA	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	--	--	--	--

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GE02-70	Railroad Avenue RRAAGEO-3 LV-GW-RRAA-GEO3-40	Railroad Avenue RRAAGEO-3 LV-GW-RRAA-GEO3-56	Railroad Avenue RRAAGEO-3 LV-GW-RRAA-GE03-72	Railroad Avenue RRAAGEO-4 LV-GW-RRAA-GEO4-30
Sampling Date	09/24/2003	09/18/2003	09/18/2003	09/19/2003	09/24/2003
Matrix	Direct Push (70.00)	Direct Push (40.00)	Direct Push (56.00)	Direct Push (72.00)	Direct Push (30.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Hexanone	2.5 U	5 U	5 U	0.5 U	5 U
Acetone	2.5 U	9.8	12	16 U	5 U
Benzene	0.5 U	0.5 U	0.41 J	0.58	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.22 J	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GE02-70	Railroad Avenue RRAAGEO-3 LV-GW-RRAA-GEO3-40	Railroad Avenue RRAAGEO-3 LV-GW-RRAA-GEO3-56	Railroad Avenue RRAAGEO-3 LV-GW-RRAA-GE03-72	Railroad Avenue RRAAGEO-4 LV-GW-RRAA-GEO4-30
Sampling Date	09/24/2003	09/18/2003	09/18/2003	09/19/2003	09/24/2003
Matrix	Direct Push (70.00)	Direct Push (40.00)	Direct Push (56.00)	Direct Push (72.00)	Direct Push (30.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	NA	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.53	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.55 J	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.18 J	0.5 U	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA
m/p-xylene	0.5 U	NA	NA	0.5 U	NA
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ
Methyl bromide	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.21 U	0.81	0.5 U	0.5 U
Methyl ethylketone	2.5 U	5 UJ	2.6 J	2.6	5 U
Methyl isobutyl ketone (MIBK)	2.5 U	5 UJ	5 UJ	0.5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.57 J	0.5 U	0.5 U
Methylene bromide	NA	NA	NA	NA	NA
Methylene chloride	1.1 UJ	0.5 U	0.5 U	1.3 UJ	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-2 LV-GW-RRAA-GE02-70	Railroad Avenue RRAAGEO-3 LV-GW-RRAA-GEO3-40	Railroad Avenue RRAAGEO-3 LV-GW-RRAA-GEO3-56	Railroad Avenue RRAAGEO-3 LV-GW-RRAA-GE03-72	Railroad Avenue RRAAGEO-4 LV-GW-RRAA-GEO4-30
Sampling Date	09/24/2003	09/18/2003	09/18/2003	09/19/2003	09/24/2003
Matrix	Direct Push (70.00)	Direct Push (40.00)	Direct Push (56.00)	Direct Push (72.00)	Direct Push (30.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	NA	NA	0.5 U	NA
p-Chlorotoluene	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.78 J	0.75	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Trichloroethylene	0.5 U	0.5 U	0.5 U	1.1	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	NA	0.5 U	0.86 J	NA	0.5 U
Total Volatile TICs	--	--	--	--	--

See Table B-1 for abbreviations and data qualifiers.

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-4 LV-GW-RRAA-GEO4-40	Railroad Avenue RRAAGEO-4 LV-GW-RRAA-GE04-70	Railroad Avenue RRAAGEO-5 LV-GW-RRAA-GE05-30	Railroad Avenue RRAAGEO-5 LV-GW-RRAA-GEO5-50	Railroad Avenue RRAAGEO-5 LV-GW-RRAA-GEO5-70
Sampling Date	09/24/2003	09/25/2003	10/07/2003	10/07/2003	10/07/2003
Matrix	Direct Push (40.00)	Direct Push (70.00)	Direct Push (30.00)	Direct Push (50.00)	Direct Push (70.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
1,1-Dichloroethylene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	NA	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Hexanone	5 U	2.5 U	5 U	24 UJ	2.5 U
Acetone	5 U	10	6.2	24 UJ	2.5 U
Benzene	0.43 J	0.5 U	0.5 U	24 UJ	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Bromobenzene	NA	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U

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Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-4 LV-GW-RRAA-GEO4-40	Railroad Avenue RRAAGEO-4 LV-GW-RRAA-GE04-70	Railroad Avenue RRAAGEO-5 LV-GW-RRAA-GE05-30	Railroad Avenue RRAAGEO-5 LV-GW-RRAA-GEO5-50	Railroad Avenue RRAAGEO-5 LV-GW-RRAA-GEO5-70
Sampling Date	09/24/2003	09/25/2003	10/07/2003	10/07/2003	10/07/2003
Matrix	Direct Push (40.00)	Direct Push (70.00)	Direct Push (30.00)	Direct Push (50.00)	Direct Push (70.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.5 UJ	0.5 U	0.5 U	24 UJ	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Chlorobromomethane	0.5 UJ	0.5 U	0.5 U	NA	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	6.2	24 UJ	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA
m/p-xylene	NA	0.5 U	NA	NA	0.5 U
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Methyl Acetate	0.5 UJ	0.5 U	0.5 U	24 UJ	0.5 U
Methyl bromide	0.5 U	0.5 UJ	0.5 U	24 UJ	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Methyl ethylketone	5 U	2.5 U	5 U	24 UJ	2.5 U
Methyl isobutyl ketone (MIBK)	5 U	2.5 U	5 U	24 UJ	2.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Methylene bromide	NA	NA	NA	NA	NA
Methylene chloride	0.5 U	0.8 UJ	0.5 U	37 UJ	0.5 U

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Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-4 LV-GW-RRAA-GE04-40	Railroad Avenue RRAAGEO-4 LV-GW-RRAA-GE04-70	Railroad Avenue RRAAGEO-5 LV-GW-RRAA-GE05-30	Railroad Avenue RRAAGEO-5 LV-GW-RRAA-GE05-50	Railroad Avenue RRAAGEO-5 LV-GW-RRAA-GE05-70
Sampling Date	09/24/2003	09/25/2003	10/07/2003	10/07/2003	10/07/2003
Matrix	Direct Push (40.00)	Direct Push (70.00)	Direct Push (30.00)	Direct Push (50.00)	Direct Push (70.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
o-Xylene	NA	0.5 U	NA	NA	0.5 U
p-Chlorotoluene	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Toluene	0.69	0.5 U	0.5 U	24 UJ	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Trichloroethylene	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	24 UJ	0.5 U
Xylene (total)	0.41 J	NA	0.5 U	24 UJ	NA
Total Volatile TICs	--	--	--	--	--

See Table B-1 for abbreviations and data qualifiers.

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE06-50	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE06-60	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE014-60 Duplicate	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE06-70	Railroad Avenue RRAAGEO-7 LV-GW-RRAA-GE07-50
Sampling Date	10/06/2003	10/06/2003	10/06/2003	10/06/2003	09/19/2003
Matrix	Direct Push (50.00)	Direct Push (60.00)	Direct Push (60.00)	Direct Push (70.00)	Direct Push (50.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Hexanone	5 U	5 U	5 U	2.5 U	5 U
Acetone	5 U	5 U	5 U	2.5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TiEC Sample I.D.	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE06-50	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE06-60	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE014-60 Duplicate 10/06/2003	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE06-70	Railroad Avenue RRAAGEO-7 LV-GW-RRAA-GE07-50
Sampling Date	10/06/2003	10/06/2003	10/06/2003	10/06/2003	09/19/2003
Matrix	Direct Push (50.00)	Direct Push (60.00)	Direct Push (60.00)	Direct Push (70.00)	Direct Push (50.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA
m/p-xylene	NA	NA	NA	0.5 U	NA
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	5 U	5 U	5 U	2.5 U	5 U
Methyl isobutyl ketone (MIBK)	5 U	5 U	5 U	2.5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene bromide	NA	NA	NA	NA	NA
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE06-50	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE06-60	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE014-60 Duplicate	Railroad Avenue RRAAGEO-6 LV-GW-RRAA-GE06-70	Railroad Avenue RRAAGEO-7 LV-GW-RRAA-GE07-50
Sampling Date	10/06/2003	10/06/2003	10/06/2003	10/06/2003	09/19/2003
Matrix	Direct Push (50.00)	Direct Push (60.00)	Direct Push (60.00)	Direct Push (70.00)	Direct Push (50.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	NA	NA	NA	0.5 U	NA
p-Chlorotoluene	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	0.5 U	0.5 U	0.5 U	NA	0.5 U
Total Volatile TICs	--	--	--	--	--

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
 Little Valley Superfund Site
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Area Location TiEC Sample I.D.	Railroad Avenue RRAAGEO-7 LV-GW-RRAA-GEO7-30	Railroad Avenue RRAAGEO-7 LV-GW-RRAA-GE07-70	Railroad Avenue RRAAGEO-8 LV-GW-RRAA-GEO8-30	Railroad Avenue RRAAGEO-8 LV-GW-RRAA-GEO8-40	Railroad Avenue RRAAGEO-8 LV-GW-RRAA-GEO8-70
Sampling Date	09/26/2003	09/26/2003	09/29/2003	09/29/2003	09/30/2003
Matrix	Direct Push (30.00)	Direct Push (70.00)	Direct Push (30.00)	Direct Push (40.00)	Direct Push (70.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Hexanone	5 U	2.5 U	5 U	5 U	2.5 U
Acetone	5 U	2.5 U	6.6 J	5 U	2.5 U
Benzene	0.5 U	0.5 U	0.5 U	0.16 J	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-7 LV-GW-RRAA-GEO7-30	Railroad Avenue RRAAGEO-7 LV-GW-RRAA-GEO7-70	Railroad Avenue RRAAGEO-8 LV-GW-RRAA-GEO8-30	Railroad Avenue RRAAGEO-8 LV-GW-RRAA-GEO8-40	Railroad Avenue RRAAGEO-8 LV-GW-RRAA-GEO8-70
Sampling Date	09/26/2003	09/26/2003	09/29/2003	09/29/2003	09/30/2003
Matrix	Direct Push (30.00)	Direct Push (70.00)	Direct Push (30.00)	Direct Push (40.00)	Direct Push (70.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA
m/p-xylene	NA	0.5 U	NA	NA	0.5 U
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Methyl bromide	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	5 U	2.5 U	5 U	5 U	2.5 U
Methyl isobutyl ketone (MIBK)	5 U	2.5 U	5 U	5 U	2.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene bromide	NA	NA	NA	NA	NA
Methylene chloride	0.5 U	0.5 UJ	0.67 UJ	0.7 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-7 LV-GW-RRAA-GEO7-30	Railroad Avenue RRAAGEO-7 LV-GW-RRAA-GE07-70	Railroad Avenue RRAAGEO-8 LV-GW-RRAA-GEO8-30	Railroad Avenue RRAAGEO-8 LV-GW-RRAA-GEO8-40	Railroad Avenue RRAAGEO-8 LV-GW-RRAA-GEO8-70
Sampling Date	09/26/2003	09/26/2003	09/29/2003	09/29/2003	09/30/2003
Matrix	Direct Push (30.00)	Direct Push (70.00)	Direct Push (30.00)	Direct Push (40.00)	Direct Push (70.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	NA	0.5 U	NA	NA	0.5 U
p-Chlorotoluene	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	0.5 U	NA	0.5 U	0.5 U	NA
Total Volatile TICs	--	--	--	--	--

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-9 LV-GW-RRAA-GEO9-50	Railroad Avenue RRAAGEO-9 LV-GW-RRAA-GEO9-60	Railroad Avenue RRAAGEO-9 LV-GW-RRAA-GEO9-70	Railroad Avenue RRAAGEO-10 LV-GW-RRAA-GEO10-30	Railroad Avenue RRAAGEO-10 LV-GW-RRAA-GEO10-60
Sampling Date	10/02/2003	10/02/2003	10/02/2003	09/30/2003	10/01/2003
Matrix	Direct Push (50.00)	Direct Push (60.00)	Direct Push (70.00)	Direct Push (30.00)	Direct Push (60.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Hexanone	5 U	5 U	2.5 U	5 U	5 U
Acetone	5 U	5 U	2.5 U	26	15
Benzene	0.25 J	0.22 J	0.5 U	0.5 U	0.24 J
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-9 LV-GW-RRAA-GEO9-50	Railroad Avenue RRAAGEO-9 LV-GW-RRAA-GEO9-60	Railroad Avenue RRAAGEO-9 LV-GW-RRAA-GEO9-70	Railroad Avenue RRAAGEO-10 LV-GW-RRAA-GEO10-30	Railroad Avenue RRAAGEO-10 LV-GW-RRAA-GEO10-60
Sampling Date	10/02/2003	10/02/2003	10/02/2003	09/30/2003	10/01/2003
Matrix	Direct Push (50.00)	Direct Push (60.00)	Direct Push (70.00)	Direct Push (30.00)	Direct Push (60.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.94	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA
m/p-xylene	NA	NA	0.5 U	NA	NA
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl bromide	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	5 U	5 U	2.5 U	5 U	5 U
Methyl isobutyl ketone (MIBK)	5 U	5 U	2.5 U	5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.17 J	0.19 J	0.5 U	0.5 U	0.5 U
Methylene bromide	NA	NA	NA	NA	NA
Methylene chloride	0.6 U	0.56 U	1.1 UJ	0.54 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-9 LV-GW-RRAA-GEO9-50	Railroad Avenue RRAAGEO-9 LV-GW-RRAA-GEO9-60	Railroad Avenue RRAAGEO-9 LV-GW-RRAA-GEO9-70	Railroad Avenue RRAAGEO-10 LV-GW-RRAA-GEO10-30	Railroad Avenue RRAAGEO-10 LV-GW-RRAA-GEO10-60
Sampling Date	10/02/2003	10/02/2003	10/02/2003	09/30/2003	10/01/2003
Matrix	Direct Push (50.00)	Direct Push (60.00)	Direct Push (70.00)	Direct Push (30.00)	Direct Push (60.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	NA	NA	0.5 U	NA	NA
p-Chlorotoluene	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.34 J	0.28 J	0.7	0.5 U	0.22 J
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene	0.5 U	0.26 J	1	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	0.5 U	0.5 U	NA	0.5 U	0.5 U
Total Volatile TICs	--	--	--	--	--

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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-10 LV-GW-RRAA-GEO10-70	Railroad Avenue RRAAGEO-11 LV-GW-RRAA-GE011-50	Railroad Avenue RRAAGEO-11 LV-GW-RRAA-GE011-60	Railroad Avenue RRAAGEO-11 LV-GW-RRAA-GEO11-70	Railroad Avenue RRAAGEO-12 LV-GW-RRAA-GEO12-40
Sampling Date	10/01/2003	10/08/2003	10/08/2003	10/08/2003	09/22/2003
Matrix	Direct Push (70.00)	Direct Push (50.00)	Direct Push (60.00)	Direct Push (70.00)	Direct Push (40.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Hexanone	2.5 U	5 U	5 U	2.5 U	5 U
Acetone	2.5 U	5 R	5 R	2.5 U	5 U
Benzene	0.5 U	0.5 U	0.31 J	0.5 U	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-10 LV-GW-RRAA-GEO10-70	Railroad Avenue RRAAGEO-11 LV-GW-RRAA-GE011-50	Railroad Avenue RRAAGEO-11 LV-GW-RRAA-GE011-60	Railroad Avenue RRAAGEO-11 LV-GW-RRAA-GEO11-70	Railroad Avenue RRAAGEO-12 LV-GW-RRAA-GEO12-40
Sampling Date	10/01/2003	10/08/2003	10/08/2003	10/08/2003	09/22/2003
Matrix	Direct Push (70.00)	Direct Push (50.00)	Direct Push (60.00)	Direct Push (70.00)	Direct Push (40.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.5 U	0.5 U	0.17 J	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA
m/p-xylene	0.5 U	NA	NA	0.5 U	NA
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 R	0.5 R	0.5 U	0.5 UJ
Methyl bromide	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.45 J	0.5 U	0.5 U
Methyl ethylketone	2.5 U	5 U	5 U	2.5 U	5 U
Methyl isobutyl ketone (MIBK)	2.5 U	5 U	5 U	2.5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 UJ	0.44 J	0.5 U	0.5 U
Methylene bromide	NA	NA	NA	NA	NA
Methylene chloride	1.3 UJ	0.5 U	0.5 U	1 U	0.5 UJ

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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-10 LV-GW-RRAA-GEO10-70	Railroad Avenue RRAAGEO-11 LV-GW-RRAA-GE011-50	Railroad Avenue RRAAGEO-11 LV-GW-RRAA-GE011-60	Railroad Avenue RRAAGEO-11 LV-GW-RRAA-GEO11-70	Railroad Avenue RRAAGEO-12 LV-GW-RRAA-GEO12-40
Sampling Date	10/01/2003	10/08/2003	10/08/2003	10/08/2003	09/22/2003
Matrix	Direct Push (70.00)	Direct Push (50.00)	Direct Push (60.00)	Direct Push (70.00)	Direct Push (40.00)
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	NA	NA	0.5 U	NA
p-Chlorotoluene	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 J	0.5 U	0.32 J	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Trichloroethylene	0.5	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	NA	0.5 U	0.5 U	NA	0.5 U
Total Volatile TICs	--	--	2.99 J	--	--

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TiEC Sample I.D.	Railroad Avenue RRAAGEO-12 LV-GW-RRAA-GEO12-60	Railroad Avenue RRAAGEO-12 LV-GW-RRAA-GEO12-70	Railroad Avenue MWRRAA-1 LV-GW-RRAA1-01	Railroad Avenue MWRRAA-2D LV-GW-RRAA2D-01	Whig Street PZ-39 LV-GW-PZ39-MNA
Sampling Date	09/22/2003	09/22/2003	11/12/2003	11/12/2003	12/04/2003
Matrix	Direct Push (60.00)	Direct Push (70.00)	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	0.5 U	0.5 U	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	0.5 U	0.5 U	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	0.5 U	0.5 U	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	0.5 U	0.5 U	NA
2,2-Dichloropropane	NA	NA	0.5 U	0.5 U	NA
2-Hexanone	5 UJ	2.5 U	1 U	1 U	5 U
Acetone	5 U	2.5 U	1 U	1 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	0.5 U	0.5 U	NA
Benzene, 1,3,5-trimethyl-	NA	NA	0.5 U	0.5 U	NA
Benzene,1-methylethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	0.5 U	0.5 U	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-12 LV-GW-RRAA-GEO12-60	Railroad Avenue RRAAGEO-12 LV-GW-RRAA-GEO12-70	Railroad Avenue MWRRAA-1 LV-GW-RRAA1-01	Railroad Avenue MWRRAA-2D LV-GW-RRAA2D-01	Whig Street PZ-39 LV-GW-PZ39-MNA
Sampling Date	09/22/2003	09/22/2003	11/12/2003	11/12/2003	12/04/2003
Matrix	Direct Push (60.00)	Direct Push (70.00)	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.63	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon 113	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	0.5 U	0.5 U	NA
m/p-xylene	NA	0.5 U	0.5 U	0.5 U	NA
m-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	5 U	2.5 U	1 U	1 U	5 U
Methyl isobutyl ketone (MIBK)	5 UJ	2.5 U	1 U	1 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene bromide	NA	NA	0.5 U	0.5 U	NA
Methylene chloride	0.55 UJ	1.2 UJ	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Railroad Avenue RRAAGEO-12 LV-GW-RRAA-GEO12-60	Railroad Avenue RRAAGEO-12 LV-GW-RRAA-GEO12-70	Railroad Avenue MWRRAA-1 LV-GW-RRAA1-01	Railroad Avenue MWRRAA-2D LV-GW-RRAA2D-01	Whig Street PZ-39 LV-GW-PZ39-MNA
Sampling Date	09/22/2003	09/22/2003	11/12/2003	11/12/2003	12/04/2003
Matrix	Direct Push (60.00)	Direct Push (70.00)	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	NA	0.5 U	0.5 U	NA
n-Butylbenzene	NA	NA	0.5 U	0.5 U	NA
n-Propylbenzene	NA	NA	0.5 U	0.5 U	NA
o-Chlorotoluene	NA	NA	0.5 U	0.5 U	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	NA	0.5 U	0.5 U	0.5 U	NA
p-Chlorotoluene	NA	NA	0.5 U	0.5 U	NA
p-Cymene	NA	NA	0.5 U	0.5 U	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	0.5 U	0.5 U	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	0.5 U	0.5 U	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene	0.31 J	1.9	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	0.5 U	NA	NA	NA	0.5 U
Total Volatile TICs	--	--	--	--	--

TABLE B-5
Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TiEC Sample I.D.	Whig Street PZ-45D LV-GW-PZ45D-MNA	Great Triangle MWEDSA-1 LV-GW-EDSA1-MNA	Great Triangle PZ-5 LV-GW-PZ5-MNA	Great Triangle PZ-6D LV-GW-PZ6D-MNA	Great Triangle PZ-47D PZ-47D
Sampling Date	12/04/2003	11/20/2003	12/01/2003	12/03/2003	05/02/2002
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	0.50 U	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethylene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	0.50 U	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	0.50 U	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 UJ	0.50 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	0.50 U	NA	NA	NA
2,2-Dichloropropane	NA	0.50 U	NA	NA	NA
2-Hexanone	5 U	1.0 U	5 U	5 U	5 U
Acetone	5 U	2.2	5 U	5 U	5.7 U
Benzene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Benzene, 1,2,4-trimethyl	NA	0.50 U	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	0.50 U	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	0.50 U	NA	NA	NA
Bromodichloromethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.50 U	0.5 U	0.5 U	0.38 J

See Table B-1 for abbreviations and data qualifiers.

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Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Whig Street PZ-45D LV-GW-PZ45D-MNA 12/04/2003 Groundwater ug/L	Great Triangle MWEDSA-1 LV-GW-EDSA1-MNA 11/20/2003 Groundwater ug/L	Great Triangle PZ-5 LV-GW-PZ5-MNA 12/01/2003 Groundwater ug/L	Great Triangle PZ-6D LV-GW-PZ6D-MNA 12/03/2003 Groundwater ug/L	Great Triangle PZ-47D PZ-47D 05/02/2002 Groundwater ug/L
Carbon tetrachloride	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 UJ
cis-1,3-Dichloropropene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Dibromochloropropane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Ethylbenzene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Freon 113	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	0.50 U	NA	NA	NA
m/p-xylene	NA	0.50 U	NA	NA	NA
m-Dichlorobenzene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 UJ	0.50 U	0.5 U	0.5 U	0.5 U
Methyl bromide	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	5 U	1.0 U	5 U	5 U	2.9 J
Methyl isobutyl ketone (MIBK)	5 U	1.0 U	5 U	5 U	5 U
Methyl tert-butyl ether	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Methylene bromide	NA	0.50 U	NA	NA	NA
Methylene chloride	0.5 U	9.0 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Whig Street PZ-45D LV-GW-PZ45D-MNA	Great Triangle MWEDSA-1 LV-GW-EDSA1-MNA	Great Triangle PZ-5 LV-GW-PZ5-MNA	Great Triangle PZ-6D LV-GW-PZ6D-MNA	Great Triangle PZ-47D PZ-47D
Sampling Date	12/04/2003	11/20/2003	12/01/2003	12/03/2003	05/02/2002
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Naphthalene	NA	0.50 U	NA	NA	NA
n-Butylbenzene	NA	0.50 U	NA	NA	NA
n-Propylbenzene	NA	0.50 U	NA	NA	NA
o-Chlorotoluene	NA	0.50 U	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
o-Xylene	NA	0.50 U	NA	NA	NA
p-Chlorotoluene	NA	0.50 U	NA	NA	NA
p-Cymene	NA	0.50 U	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	NA	0.50 U	NA	NA	NA
Styrene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	0.50 U	NA	NA	NA
Tetrachloroethylene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.50 U	0.5 U	0.5 U	0.22 J
trans-1,2-Dichloroethene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 UJ
trans-1,3-Dichloropropene	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Trichloroethylene	2.1	14	6.6	6.9	1.6
Trichlorofluoromethane	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U
Xylene (total)	0.5 U	NA	0.5 U	0.5 U	0.14 J
Total Volatile TICs	--	--	--	--	--

TABLE B-5
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Area Location TtEC Sample I.D.	Great Triangle PZ-48 PZ48	Luminite PZ-46 LV-GW-PZ46-MNA	Luminite PZ-55D LV-GW-PZ55D-MNA	Municipal Well #3 MUNWELL3 MUNICIPAL WELL #3
Sampling Date	05/02/2002	12/08/2003	12/08/2003	05/02/2002
Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 UJ	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 UJ	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 UJ	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 UJ	0.5 U
1,1-Dichloroethylene	0.5 U	0.5 U	0.5 UJ	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 R	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 R	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 UJ	0.5 U
1,2-Dichloroethane	0.5 U	0.5 UJ	0.5 UJ	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 UJ	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA
2-Hexanone	5 U	5 U	5 R	5 U
Acetone	5.6 U	5 U	5 R	5 U
Benzene	0.5 U	0.5 U	0.5 R	0.5 U
Benzene, 1,2,4-trimethyl	NA	NA	NA	NA
Benzene, 1,3,5-trimethyl-	NA	NA	NA	NA
Benzene, 1-methylethyl-	0.5 U	0.5 U	0.5 R	0.5 U
Bromobenzene	NA	NA	NA	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 UJ	0.5 U
Bromoform	0.5 U	0.5 U	0.5 UJ	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 UJ	0.5 U

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 Volatile Organic Compounds - Groundwater (2002/2003)
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Area Location TtEC Sample I.D.	Great Triangle PZ-48 PZ48	Luminite PZ-46 LV-GW-PZ46-MNA	Luminite PZ-55D LV-GW-PZ55D-MNA	Municipal Well #3 MUNWELL3 MUNICIPAL WELL #3
Sampling Date	05/02/2002	12/08/2003	12/08/2003	05/02/2002
Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L
Carbon tetrachloride	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 R	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 UJ	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 UJ	0.5 U
Chloroform	0.5 U	0.5 U	0.5 UJ	0.5 U
cis-1,2-Dichloroethylene	0.5 UJ	0.5 U	0.5 UJ	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 UJ	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 UJ	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 UJ	0.5 U
Dibromochloropropane	0.5 U	0.5 U	0.5 UJ	0.5 U
Dichlorodifluoromethane	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ
Ethylbenzene	0.5 U	0.5 U	0.5 R	0.5 U
Freon 113	0.5 U	0.5 U	0.5 UJ	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA
m/p-xylene	NA	NA	NA	NA
m-Dichlorobenzene	0.5 U	0.5 U	0.5 R	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 UJ	0.5 U
Methyl bromide	0.5 U	0.5 U	0.5 UJ	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Methyl ethylketone	5 U	5 U	5 R	5 U
Methyl isobutyl ketone (MIBK)	5 U	5 U	5 R	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 UJ	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 UJ	0.5 U
Methylene bromide	NA	NA	NA	NA
Methylene chloride	0.5 U	0.5 U	0.5 UJ	0.5 U

TABLE B-5
 Volatile Organic Compounds - Groundwater (2002/2003)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Great Triangle PZ-48 PZ48 05/02/2002 Groundwater ug/L	Luminite PZ-46 LV-GW-PZ46-MNA 12/08/2003 Groundwater ug/L	Luminite PZ-55D LV-GW-PZ55D-MNA 12/08/2003 Groundwater ug/L	Municipal Well #3 MUNWELL3 MUNICIPAL WELL #3 05/02/2002 Groundwater ug/L
Naphthalene	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA
o-Dichlorobenzene	0.5 U	0.5 U	0.5 R	0.5 U
o-Xylene	NA	NA	NA	NA
p-Chlorotoluene	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA
p-Dichlorobenzene	0.5 U	0.5 U	0.5 R	0.5 U
sec-Butylbenzene	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 R	0.5 U
tert-Butylbenzene	NA	NA	NA	NA
Tetrachloroethylene	0.5 U	0.5 U	0.5 UJ	0.5 U
Toluene	0.5 U	0.5 U	0.5 R	0.5 U
trans-1,2-Dichloroethene	0.5 UJ	0.5 U	0.5 UJ	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 UJ	0.5 U
Trichloroethylene	3.4	0.5 U	4.4 J	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 UJ	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 UJ	0.5 U
Xylene (total)	0.5 U	0.5 U	0.5 R	0.5 U
Total Volatile TICs	--	--	--	--

TABLE B-6
Volatile Organic Compounds - Groundwater (2006)
Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Bush Industries BIAMW-2 LVRD01-GWMNA-BIA2	Bush Industries BIAMW-2 LVRD01-GWMNA-BIA22 Duplicate	Bush Industries BIAMW-3 LVRD01-GWMNA-BIA3	Bush Industries BIAMW-5 LVRD01-GWMNA-BIA5	Bush Industries BIAMW-6 LVRD01-GWMNA-BIA6
	10/31/2006 Groundwater ug/L	10/31/2006 Groundwater ug/L	10/30/2006 Groundwater ug/L	10/30/2006 Groundwater ug/L	10/30/2006 Groundwater ug/L
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.8	0.89	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.16 J	0.12 J	0.5 U	0.5 U	0.5 U
1,4-Dioxane	20 R	20 R	20 R	20 R	20 R
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U
Benzene	0.66 U	0.5 U	0.12 J	0.23 J	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.19 J	0.23 J	0.091 J	0.13 J	0.11 J
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	45 D	46 D	0.36 J	0.5 U	35 D

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
Volatile Organic Compounds - Groundwater (2006)
Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Bush Industries BIAMW-2 LVRD01-GWMNA-BIA2	Bush Industries BIAMW-2 LVRD01-GWMNA-BIA22 Duplicate 10/31/2006 Groundwater ug/L	Bush Industries BIAMW-3 LVRD01-GWMNA-BIA3 10/30/2006 Groundwater ug/L	Bush Industries BIAMW-5 LVRD01-GWMNA-BIA5 10/30/2006 Groundwater ug/L	Bush Industries BIAMW-6 LVRD01-GWMNA-BIA6 10/30/2006 Groundwater ug/L
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.25 J	0.5 U	0.5 U	0.13 J	0.5 U
Isopropylbenzene	0.14 J	0.5 U	0.5 U	0.5 U	0.5 U
m/p-Xylene	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.53 U	0.51 U	0.5 U	0.5 U
Methyl ethylketone	5 U	5 U	5 U	5 U	5 U
Methyl isobutylketone (MIBK)	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.51	0.49 J	0.5 U	0.5 U	0.48 J
Trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	58 D	58 D	2.2	0.5 U	19
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	4	4.8	0.5 U	0.5 U	0.5 U
Total Volatile TICs	3.46 JN	543.8 J	0.88 JN	1.3 JN	R

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
 Volatile Organic Compounds - Groundwater (2006)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Bush Industries BIAMW-D1 LVRD01-GWMNA-BIAD1	Bush Industries BIAMW-D2 LVRD01-GWMNA-BIAD2	Cattaraugus Cutlery MWCCA-1 LVRD01-GWMNA-CCA1	Cattaraugus Cutlery MWCCA-2 LVRD01-GWMNA-CCA2	Cattaraugus Cutlery MWCCA-3 LVRD01-GWMNA-CCA3
Sampling Date Matrix Units	10/31/2006 Groundwater ug/L	10/30/2006 Groundwater ug/L	10/25/2006 Groundwater ug/L	10/31/2006 Groundwater ug/L	10/25/2006 Groundwater ug/L
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.084 J	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.54	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	20 R	20 R	20 R	20 R	20 R
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.13 J	0.5 U	0.62
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.054 J
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.11 J	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.42 J	26 D	0.19 J	0.5 U	0.36 J

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
 Volatile Organic Compounds - Groundwater (2006)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Bush Industries BIAMW-D1 LVRD01-GWMNA-BIAD1	Bush Industries BIAMW-D2 LVRD01-GWMNA-BIAD2	Cattaraugus Cutlery MWCCA-1 LVRD01-GWMNA-CCA1	Cattaraugus Cutlery MWCCA-2 LVRD01-GWMNA-CCA2	Cattaraugus Cutlery MWCCA-3 LVRD01-GWMNA-CCA3
Sampling Date	10/31/2006	10/30/2006	10/25/2006	10/31/2006	10/25/2006
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.61 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	5 U	5 U	5 U	5 U	5 U
Methyl isobutylketone (MIBK)	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.28 J	0.34 J
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.55	0.71	0.5 U	0.058 J	0.5 U
Trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	1.8	93 D	5	9.6	19
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.16 J	0.5 U	0.5 U	0.14 J	0.5 U
Total Volatile TICs	2.27 JN	82.25 J	468 J	44.5 J	R

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
 Volatile Organic Compounds - Groundwater (2006)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-5 LVRD01-GWMNA-CCA5	Cattaraugus Cutlery MWCCA-6 LVRD01-GWMNA-CCA6	Cattaraugus Cutlery MWCCA-7 LVRD01-GWMNA-CCA7	Cattaraugus Cutlery MWCCA-8 LVRD01-GWMNA-CCA8	Cattaraugus Cutlery MWCCA-9D LVRD01-GWMNA-CCA9D
Sampling Date Matrix Units	10/24/2006 Groundwater ug/L	10/24/2006 Groundwater ug/L	10/25/2006 Groundwater ug/L	10/25/2006 Groundwater ug/L	10/24/2006 Groundwater ug/L
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	20 R	20 R	20 R	20 R	20 R
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U
Benzene	1.6	0.5 U	0.5 U	0.5 U	0.76
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
 Volatile Organic Compounds - Groundwater (2006)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-5 LVRD01-GWMNA-CCA5	Cattaraugus Cutlery MWCCA-6 LVRD01-GWMNA-CCA6	Cattaraugus Cutlery MWCCA-7 LVRD01-GWMNA-CCA7	Cattaraugus Cutlery MWCCA-8 LVRD01-GWMNA-CCA8	Cattaraugus Cutlery MWCCA-9D LVRD01-GWMNA-CCA9D
Sampling Date	10/24/2006	10/24/2006	10/25/2006	10/25/2006	10/24/2006
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.16 J	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.24 J	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl ethylketone	5 U	5 U	5 U	5 U	5 U
Methyl isobutylketone (MIBK)	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.15 J	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.18 J	0.065 J	0.44 J	0.5 U
Trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	28 D	0.36 J	0.1 J	0.5 U	1.9
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	1.1 JN	11 JN	510 J	3.91 JN	31 J

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
 Volatile Organic Compounds - Groundwater (2006)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Cattaraugus Cutlery MWCCA-10 LVRD01-GWMNA-CCA10	Cattaraugus Cutlery MWCCA-10 LVRD01-GWMNA-CCA20 Duplicate	Cattaraugus Cutlery MWCCA-11D LVRD01-GWMNA-CCA11	Cattaraugus Cutlery MWCCA-12 LVRD01-GWMNA-CCA12	Cattaraugus Cutlery PZ-20D LVRD01-GWMNA-PZ20D
Sampling Date Matrix Units	10/24/2006 Groundwater ug/L	10/24/2006 Groundwater ug/L	10/23/2006 Groundwater ug/L	10/23/2006 Groundwater ug/L	10/31/2006 Groundwater ug/L
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.077 J
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	20 R	20 R	20 R	20 R	20 R
2-Hexanone	0.5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	7.9 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
 Volatile Organic Compounds - Groundwater (2006)
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutlery MWCCA-10 LVRD01-GWMNA-CCA10	Cattaraugus Cutlery MWCCA-10 LVRD01-GWMNA-CCA20 Duplicate 10/24/2006 Groundwater ug/L	Cattaraugus Cutlery MWCCA-11D LVRD01-GWMNA-CCA11 10/23/2006 Groundwater ug/L	Cattaraugus Cutlery MWCCA-12 LVRD01-GWMNA-CCA12 10/23/2006 Groundwater ug/L	Cattaraugus Cutlery PZ-20D LVRD01-GWMNA-PZ20D 10/31/2006 Groundwater ug/L
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.97 U
Methyl ethylketone	5 U	5 U	5 U	5 U	5 U
Methyl isobutylketone (MIBK)	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.19 J	0.2 J	0.5 U	0.17 J	0.5 U
Toluene	0.5 U	0.5 U	1.1	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.62	0.39 J	0.83	0.5 U	0.5 U
Trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	7.1	7.2	0.5 U	16	0.065 J
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.11 J	0.5 U	0.5 U
Total Volatile TICs	23.9 JN	24.2 JN	R	413.1 JB	36.2 J

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
 Volatile Organic Compounds - Groundwater (2006)
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Area Location TtEC Sample I.D.	Great Triangle Area PZ-5 LVRD01-GWMNA-PZ5	Great Triangle Area PZ-6D LVRD01-GWMNA-PZ6D	Whig Street Area PZ-39 LVRD01-GWMNA-PZ39	Whig Street Area PZ-45D LVRD01-GWMNA-PZ45D	Luminite Area PZ-46 LVRD01-GWMNA-PZ46
Sampling Date	10/26/2006	11/1/2006	11/1/2006	11/1/2006	10/26/2006
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	20 R	20 R	20 R	20 R	20 R
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.059 J	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.13 J
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.05 J	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
 Volatile Organic Compounds - Groundwater (2006)
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Area Location TtEC Sample I.D.	Great Triangle Area PZ-5 LVRD01-GWMNA-PZ5	Great Triangle Area PZ-6D LVRD01-GWMNA-PZ6D	Whig Street Area PZ-39 LVRD01-GWMNA-PZ39	Whig Street Area PZ-45D LVRD01-GWMNA-PZ45D	Luminite Area PZ-46 LVRD01-GWMNA-PZ46
Sampling Date Matrix Units	10/26/2006 Groundwater ug/L	11/1/2006 Groundwater ug/L	11/1/2006 Groundwater ug/L	11/1/2006 Groundwater ug/L	10/26/2006 Groundwater ug/L
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.12 J	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl bromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	0.52 U	0.5 U	0.5 U	0.56 U	0.5 U
Methyl ethylketone	5 U	5 U	5 U	5 U	5 U
Methyl isobutylketone (MIBK)	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.12 J	0.14 J	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.067 J	0.089 J	0.086 J	0.5 U	0.097 J
Trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	6.8	7.9	0.5 U	2.7	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.15 J	0.5 U
Total Volatile TICs	R	679.4 J	550 J	R	28.5 J

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
 Volatile Organic Compounds - Groundwater (2006)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Luminite Area PZ-55D LVRD01-GWMNA-PZ55D
Sampling Date	10/26/2006
Matrix	Groundwater
Units	ug/L

1,1,1-Trichloroethane	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U
1,1,2-Trichloroethane	0.5 U
1,1-Dichloroethane	0.5 U
1,1-Dichloroethene	0.5 U
1,2,3-Trichlorobenzene	0.5 U
1,2,4-Trichlorobenzene	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U
1,2-Dibromoethane (EDB)	0.5 U
1,2-Dichlorobenzene	0.5 U
1,2-Dichloroethane	0.5 U
1,2-Dichloropropane	0.5 U
1,3-Dichlorobenzene	0.5 U
1,4-Dichlorobenzene	0.5 U
1,4-Dioxane	20 R
2-Hexanone	5 U
Acetone	5 U
Benzene	0.5 U
Bromodichloromethane	0.5 U
Bromoform	0.5 U
Carbon disulfide	0.5 U
Carbon tetrachloride	0.5 U
Chlorobenzene	0.5 U
Chlorobromomethane	0.5 U
Chloroethane	0.093 J
Chloroform	0.5 U
cis-1,2-Dichloroethene	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-6
 Volatile Organic Compounds - Groundwater (2006)
 Little Valley Superfund Site
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Area	Luminite Area
Location	PZ-55D
TtEC Sample I.D.	LVRD01-GWMNA-PZ55D
Sampling Date	10/26/2006
Matrix	Groundwater
Units	ug/L

cis-1,3-Dichloropropene	0.5 U
Cyclohexane	0.5 U
Dibromochloromethane	0.5 U
Dichlorodifluoromethane	0.5 U
Ethylbenzene	0.16 J
Isopropylbenzene	0.098 J
m/p-Xylene	0.5 U
Methyl Acetate	0.5 U
Methyl bromide	0.5 U
Methyl chloride	0.78 U
Methyl ethylketone	5 U
Methyl isobutylketone (MIBK)	5 U
Methyl tert-butyl ether	0.5 U
Methylcyclohexane	0.5 U
Methylene chloride	0.5 U
o-Xylene	0.5 U
Styrene	0.5 U
Tetrachloroethene	0.5 U
Toluene	0.5 U
trans-1,2-Dichloroethene	0.5 U
Trans-1,3-Dichloropropene	0.5 U
Trichloroethene	5.7
Trichlorofluoromethane	0.5 U
Vinyl chloride	0.5 U
Total Volatile TICs	33.6 J

TABLE B-7
 Monitored Natural Attenuation Parameters - Groundwater (2003)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Bush Industries BIAMW-1 LV-GW-BIA-MW1-MNA	Bush Industries BIAMW-2 LV-GW-BIA-MW2-MNA	Bush Industries BIAMW-3 LV-GW-BIA-MW3-MNA	Bush Industries BIAMW-7 LV-GW-BIA-MW7-MNA	Bush Industries MWD-1 LV-GW-BIA-MWD1-MNA
Sampling Date	12/09/2003	12/11/2003	12/10/2003	12/09/2003	12/10/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	mg/L	mg/L	mg/L	mg/L	mg/L
Alkalinity (as CaCO ₃)	83	180	160	150	190
Chloride	46	19	44	44	42
Ethane	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ
Ethylene	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ
Ferrous Iron	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Hydrogen	0.163 U	0.163 U	0.163 U	0.163 U	0.163 U
Methane	0.07 JN	0.54 JD	0.07 JN	0.08 JN	0.06 JN
Nitrate	2	0.050 U	1.2	1	1.4
Sulfate	11	16	12	12	13
TOC	1.0 U	2.6	1.0 U	1.0 U	1.0 U

TABLE B-7
 Monitored Natural Attenuation Parameters - Groundwater (2003)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Bush Industries MWD-2 LV-GW-BIA-MWD2-MNA	Cattaraugus Cutlery MWCCA-2 LV-GW-CCA2-MNA	Cattaraugus Cutlery MWCCA-3 LV-GW-CCA3-MNA	Cattaraugus Cutlery MWCCA-4 LV-GW-CCA4-MNA	Cattaraugus Cutlery MWCCA-6 LV-GW-CCA6-MNA
Sampling Date	12/11/2003	12/03/2003	12/02/2003	11/19/2003	12/01/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	mg/L	mg/L	mg/L	mg/L	mg/L
Alkalinity (as CaCO ₃)	130	130 J	160	150	130
Chloride	22	12	18	110	14
Ethane	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ
Ethylene	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ
Ferrous Iron	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Hydrogen	0.163 U	0.163 U	0.163 U	0.163 UJ	0.163 U
Methane	0.07 JN	0.07 JN	0.07 JN	0.08 JN	0.05 JN
Nitrate	0.29	0.5	0.51	0.79	0.59
Sulfate	15	20	19	78 L	16
TOC	2.4	1.0 U	1.0 U	1.0 U	1.0 U

TABLE B-7
 Monitored Natural Attenuation Parameters - Groundwater (2003)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D. Sampling Date Matrix Units	Cattaraugus Cutlery MWCCA-6 LV-GW-CCA16-MNA Duplicate 12/01/2003 Groundwater mg/L	Cattaraugus Cutlery PZ-20D LV-GW-PZ20DMNA 11/19/2003 Groundwater mg/L	Whig Street PZ-39 LV-GW-PZ39-MNA 12/04/2003 Groundwater mg/L	Whig Street PZ-45D LV-GW-PZ45D-MNA 12/04/2003 Groundwater mg/L	Great Triangle MWEDSA-1 LV-GW-EDSA1-MNA 11/20/2003 Groundwater mg/L
Alkalinity (as CaCO ₃)	130	280	100	6300 J	110
Chloride	4.8	51	19	16	19
Ethane	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ
Ethylene	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ
Ferrous Iron	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Hydrogen	0.163 U	0.163 UJ	0.163 UJ	0.163 UJ	0.163 UJ
Methane	0.03 JN	0.07 JN	0.07 JN	0.06 JN	0.07 JN
Nitrate	0.59	1.5	2.4	0.06	0.3
Sulfate	5.1 L	19	350	29	97
TOC	1.3	1.5 J	3.2	9.2 J	3

TABLE B-7
 Monitored Natural Attenuation Parameters - Groundwater (2003)
 Little Valley Superfund Site
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Area Location TtEC Sample I.D.	Great Triangle PZ-5 LV-GW-PZ5-MNA	Great Triangle PZ-6D LV-GW-PZ6D-MNA	Luminite PZ-46 LV-GW-PZ46-MNA	Luminite PZ-55D LV-GW-PZ55D-MNA
Sampling Date	12/01/2003	12/03/2003	12/08/2003	12/08/2003
Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Units	mg/L	mg/L	mg/L	mg/L
Alkalinity (as CaCO ₃)	170	150	68	470 J
Chloride	14	12	17	39
Ethane	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ
Ethylene	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ
Ferrous Iron	0.10 U	0.10 U	0.1 U	0.1 U
Hydrogen	0.163 U	0.163 U	0.163 U	0.163 U
Methane	0.06 JN	0.07 JN	0.07 JN	0.04 JN
Nitrate	1.6	1.1	1.3	1.5
Sulfate	39	37	9	14
TOC	1.0 U	1.0 U	1.0 U	1.9

TABLE B-8
 Monitored Natural Attenuation Parameters - Groundwater (2006)
 Little Valley Superfund Site
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Area Location	Bush Industries BIAMW-2	Bush Industries BIAMW-2 Duplicate	Bush Industries BIAMW-3	Bush Industries BIAMW-5	Bush Industries BIAMW-6
TtEC Sample I.D.	LVRD01-GWMNA-BIA2	LVRD01-GWMNA-BIA22	LVRD01-GWMNA-BIA3	LVRD01-GWMNA-BIA5	LVRD01-GWMNA-BIA6
Sampling Date	10/31/2006	10/31/2006	10/30/2006	10/30/2006	10/30/2006
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	mg/L	mg/L	mg/L	mg/L	mg/L
Alkalinity (as CaCO ₃)	190	180	260	70	88
Chloride	26	26	78	11	13
Methane	0.046 J	0.11 J	0.0015 UJ	0.0014 UJ	0.082 J
Ethane	0.0030 UJ	0.0030 UJ	0.0031 UJ	0.0029 UJ	0.0030 UJ
Ethene	0.0022 UJ	0.0022 UJ	0.0023 UJ	0.0022 UJ	0.0022 UJ
Ferrous Iron	0.17	0.14	0.05 U	0.18	0.05 U
Nitrate	0.05 U	0.05 U	1.9	0.73	0.05 U
Sulfate	17	17	27	6.7	11
Sulfide	0.02	0.018	0.018	0.01 U	0.01 U
TOC	10 U	10 U	26	10 UJ	10 UJ

TABLE B-8
 Monitored Natural Attenuation Parameters - Groundwater (2006)
 Little Valley Superfund Site
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Area Location	Bush Industries BIAMW-D1	Bush Industries BIAMW-D2	Cattaraugus Cutlery MWCCA-1	Cattaraugus Cutlery MWCCA-2	Cattaraugus Cutlery MWCCA-3
TtEC Sample I.D.	LVRD01-GWMNA-BIAD1	LVRD01-GWMNA-BIAD2	LVRD01-GWMNA-CCA1	LVRD01-GWMNA-CCA2	LVRD01-GWMNA-CCA3
Sampling Date	10/31/2006	10/30/2006	10/25/2006	10/31/2006	10/25/2006
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	mg/L	mg/L	mg/L	mg/L	mg/L
Alkalinity (as CaCO ₃)	200	140	160	72	180
Chloride	55	31	21	17	20
Methane	0.0014 UJ	0.0014 UJ	0.0014 UJ	0.0014 UJ	0.0014 UJ
Ethane	0.0028 UJ	0.0029 UJ	0.0028 UJ	0.0029 UJ	0.0029 UJ
Ethene	0.0021 UJ	0.0022 UJ	0.0021 UJ	0.0022 UJ	0.0022 UJ
Ferrous Iron	0.05 U	0.05 U	0.15	0.05 U	0.05 U
Nitrate	2.7	0.34	1.1	0.66	0.53
Sulfate	11	13	14	12	17
Sulfide	0.01 U	0.027	0.01 U	0.01 U	0.01 U
TOC	10 U	5 U	5 U	5 U	5 U

TABLE B-8
 Monitored Natural Attenuation Parameters - Groundwater (2006)
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Area Location	Cattaraugus Cutlery MWCCA-5	Cattaraugus Cutlery MWCCA-6	Cattaraugus Cutlery MWCCA-7	Cattaraugus Cutlery MWCCA-8	Cattaraugus Cutlery MWCCA-9D
TtEC Sample I.D.	LVRD01-GWMNA-CCA5	LVRD01-GWMNA-CCA6	LVRD01-GWMNA-CCA7	LVRD01-GWMNA-CCA8	LVRD01-GWMNA-CCA9D
Sampling Date	10/24/2006	10/24/2006	10/25/2006	10/25/2006	10/24/2006
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	mg/L	mg/L	mg/L	mg/L	mg/L
Alkalinity (as CaCO ₃)	150	130	160	140	130
Chloride	21	16	21	19	17
Methane	0.0027 UJ	0.0021 UJ	0.0014 UJ	0.0015 UJ	0.0014 UJ
Ethane	0.0030 UJ	0.0030 UJ	0.0029 UJ	0.0030 UJ	0.0029 UJ
Ethene	0.0022 UJ	0.0022 UJ	0.0022 UJ	0.0022 UJ	0.0022 UJ
Ferrous Iron	0.15	0.05 U	0.05 U	0.05 U	0.05 U
Nitrate	0.82	0.61	0.81	0.83	0.57
Sulfate	14	14	13	13	14
Sulfide	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
TOC	1 U	1 U	5 U	39	1 U

TABLE B-8
 Monitored Natural Attenuation Parameters - Groundwater (2006)
 Little Valley Superfund Site
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Area Location	Cattaraugus Cutlery MWCCA-10	Cattaraugus Cutlery MWCCA-10 Duplicate	Cattaraugus Cutlery MWCCA-11D	Cattaraugus Cutlery MWCCA-12	Cattaraugus Cutlery PZ-20D
TtEC Sample I.D.	LVRD01-GWMNA-CCA10	LVRD01-GWMNA-CCA20	LVRD01-GWMNA-CCA11	LVRD01-GWMNA-CCA12	LVRD01-GWMNA-PZ20D
Sampling Date	10/24/2006	10/24/2006	10/23/2006	10/23/2006	10/31/2006
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Units	mg/L	mg/L	mg/L	mg/L	mg/L
Alkalinity (as CaCO ₃)	140	140	140	160	150
Chloride	15	15	20	17	29
Methane	0.0015 UJ	0.0015 UJ	0.0015 UJ	0.0014 UJ	0.0014 UJ
Ethane	0.0031 UJ	0.0031 UJ	0.0030 UJ	0.0029 UJ	0.0029 UJ
Ethene	0.0023 UJ	0.0023 UJ	0.0022 UJ	0.0022 UJ	0.0022 UJ
Ferrous Iron	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.063
Nitrate	0.63	0.64	0.81	1.5	1.6
Sulfate	14	14	14	15	12
Sulfide	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
TOC	1 U	1 U	1 U	1 U	5 U

TABLE B-8
 Monitored Natural Attenuation Parameters - Groundwater (2006)
 Little Valley Superfund Site
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Area Location	Great Triangle Area PZ-5	Great Triangle Area PZ-6D	Whig Street Area PZ-39	Whig Street Area PZ-45D	Luminite Area PZ-46
TtEC Sample I.D. Sampling Date Matrix Units	LVRD01-GWMNA-PZ5 10/26/2006 Groundwater mg/L	LVRD01-GWMNA-PZ6D 11/1/2006 Groundwater mg/L	LVRD01-GWMNA-PZ39 11/1/2006 Groundwater mg/L	LVRD01-GWMNA-PZ45D 11/1/2006 Groundwater mg/L	LVRD01-GWMNA-PZ46 10/26/2006 Groundwater mg/L
Alkalinity (as CaCO ₃)	160	150	120	96	75
Chloride	49	48	130	13	6.2
Methane	0.0015 UJ	0.0014 UJ	0.0015 UJ	0.0014 UJ	0.0015 UJ
Ethane	0.0031 UJ	0.0028 UJ	0.0030 UJ	0.0029 UJ	0.0030 UJ
Ethene	0.0023 UJ	0.0021 UJ	0.0022 UJ	0.0022 UJ	0.0022 UJ
Ferrous Iron	0.05 U	0.32	0.05 U	0.05 U	0.05 U
Nitrate	1.4	1.2	2.1	0.4	0.81
Sulfate	14	12	14	4	6.6
Sulfide	0.01 U	0.027	0.01 U	0.028	0.01 U
TOC	19	5 U	5 U	5 U	5 U

TABLE B-8
 Monitored Natural Attenuation Parameters - Groundwater (2006)
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Area Location	Luminite Area PZ-55D
TtEC Sample I.D.	LVRD01-GWMNA-PZ55D
Sampling Date	10/26/2006
Matrix	Groundwater
Units	mg/L

Alkalinity (as CaCO ₃)	150
Chloride	42
Methane	0.0015 UJ
Ethane	0.0031 UJ
Ethene	0.0023 UJ
Ferrous Iron	0.15
Nitrate	1.6
Sulfate	12
Sulfide	0.01 U
TOC	10 UJ

TABLE B-9
 CRA Investigation of Bush Industries - May 1999
 Volatile Organic Compounds - Groundwater
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Area Location Sample I.D. Sampling Date Units	Bush Industries - CRA MW-1 MW-1 05/05/1999 ug/L	Bush Industries - CRA MW-2 MW-2 05/05/1999 ug/L	Bush Industries - CRA MW-2 MW-D3 Duplicate of MW-2 05/05/1999 ug/L	Bush Industries - CRA MW-3 MW-3 05/05/1999 ug/L
Chloromethane	10 UJ	20 UJ	20 U	10 UJ
Bromomethane	10 U	20 U	20 U	10 U
Vinyl chloride	10 U	4 J	2 J	10 U
Chloroethane	10 U	0.8 J	20 U	10 U
Methylene chloride	10 U	20 U	20 U	10 U
Acetone	10 UJ	20 UJ	20 UJ	10 UJ
Carbon disulfide	10 U	20 U	20 U	10 U
1,1-Dichloroethene	10 U	1 J	20 U	10 U
1,1-Dichloroethane	10 U	20 U	20 U	10 U
1,2-Dichloroethene (total)	10 U	54	51	2 J
cis-1,2-Dichloroethene	NR	NR	NR	NR
trans-1,2-Dichloroethene	NR	NR	NR	NR
Chloroform	10 U	20 U	20 U	10 U
1,2-Dichloroethane	10 U	20 U	20 U	10 U
2-Butanone	10 UJ	20 UJ	20 U	10 UJ
1,1,1-Trichloroethane	10 U	20 U	20 U	10 U
Carbon Tetrachloride	10 U	20 U	20 U	10 U
Bromodichloromethane	10 U	20 U	20 U	10 U
1,2-Dichloropropane	10 U	20 U	20 U	10 U
cis-1,3-Dichloropropene	10 U	20 U	20 U	10 U
Trichloroethene	10 U	230	190	5 J
Dibromochloromethane	10 U	20 U	20 U	10 U
1,1,2-Trichloroethane	10 U	20 U	20 U	10 U
Benzene	10 U	0.7 J	20 U	10 U
trans-1,3-Dichloropropene	10 U	20 U	20 U	10 U
Bromoform	10 U	20 U	20 U	10 U
4-Methyl-2-pentanone	10 U	20 U	20 U	10 U
2-Hexanone	10 U	20 U	20 U	10 U
Tetrachloroethene	10 U	20 U	20 U	10 U

TABLE B-9
 CRA Investigation of Bush Industries - May 1999
 Volatile Organic Compounds - Groundwater
 Little Valley Superfund Site
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Area Location Sample I.D. Sampling Date Units	Bush Industries - CRA MW-1 MW-1 05/05/1999 ug/L	Bush Industries - CRA MW-2 MW-2 05/05/1999 ug/L	Bush Industries - CRA MW-2 MW-D3 Duplicate of MW-2 05/05/1999 ug/L	Bush Industries - CRA MW-3 MW-3 05/05/1999 ug/L
1,1,2,2-Tetrachloroethane	10 U	20 U	20 U	10 U
Toluene	10 U	20 U	20 U	10 U
Chlorobenzene	10 U	20 U	20 U	10 U
Ethylbenzene	10 U	20 U	20 U	10 U
Styrene	10 U	20 U	20 U	10 U
Xylenes (total)	10 U	20 U	20 U	10 U
Bromochloromethane	NR	NR	NR	NR
1,2-Dibromoethane	NR	NR	NR	NR
1,3-Dichlorobenzene	NR	NR	NR	NR
1,4-Dichlorobenzene	NR	NR	NR	NR
1,2-Dichlorobenzene	NR	NR	NR	NR
1,2-Dibromo-3-chloropropane	NR	NR	NR	NR
1,2,4-Trichlorobenzene	NR	NR	NR	NR

TABLE B-9
 CRA Investigation of Bush Industries - May 1999
 Volatile Organic Compounds - Groundwater
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Area Location Sample I.D. Sampling Date Units	Bush Industries - CRA MW-4 MW-4 05/05/1999 ug/L	Bush Industries - CRA MW-5 MW-5 05/05/1999 ug/L	Bush Industries - CRA MW-D1 MW-D1 05/05/1999 ug/L	Bush Industries - CRA MW-D2 MW-D2 05/05/1999 ug/L
Chloromethane	10 UJ	10 UJ	10 UJ	10 UJ
Bromomethane	10 U	10 U	10 U	10 U
Vinyl chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene chloride	10 U	10 U	10 U	10 U
Acetone	10 UJ	10 UJ	10 UJ	10 UJ
Carbon disulfide	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	1 J
1,1-Dichloroethane	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10 U	10 U	6 J	58
cis-1,2-Dichloroethene	NR	NR	NR	NR
trans-1,2-Dichloroethene	NR	NR	NR	NR
Chloroform	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
2-Butanone	10 UJ	10 UJ	10 UJ	10 UJ
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Trichloroethene	2 J	10 U	11	160
Dibromochloromethane	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U
Benzene	2 J	10 U	10 U	2 J
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U

TABLE B-9
 CRA Investigation of Bush Industries - May 1999
 Volatile Organic Compounds - Groundwater
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Area Location Sample I.D.	Bush Industries - CRA MW-4 MW-4	Bush Industries - CRA MW-5 MW-5	Bush Industries - CRA MW-D1 MW-D1	Bush Industries - CRA MW-D2 MW-D2
Sampling Date Units	05/05/1999 ug/L	05/05/1999 ug/L	05/05/1999 ug/L	05/05/1999 ug/L
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U
Xylenes (total)	10 U	10 U	10 U	10 U
Bromochloromethane	NR	NR	NR	NR
1,2-Dibromoethane	NR	NR	NR	NR
1,3-Dichlorobenzene	NR	NR	NR	NR
1,4-Dichlorobenzene	NR	NR	NR	NR
1,2-Dichlorobenzene	NR	NR	NR	NR
1,2-Dibromo-3-chloropropane	NR	NR	NR	NR
1,2,4-Trichlorobenzene	NR	NR	NR	NR

TABLE B-9
 CRA Investigation of Bush Industries - May 1999
 Volatile Organic Compounds - Groundwater
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Area Location Sample I.D.	Bush Industries - CRA MW-U1 MW-U1	Bush Industries - CRA LV-4 B78404	Bush Industries - CRA LV-7 B78407
Sampling Date Units	05/05/1999 ug/L	05/05/1999 ug/L	05/05/1999 ug/L
Chloromethane	10 UJ	1 U	1 U
Bromomethane	10 U	1 U	1 U
Vinyl chloride	10 U	1 U	1 U
Chloroethane	10 U	1 U	1 U
Methylene chloride	10 U	1 U	1 U
Acetone	10 UJ	5 U	5 U
Carbon disulfide	10 U	1 U	1 U
1,1-Dichloroethene	10 U	1 U	1 U
1,1-Dichloroethane	10 U	1 U	1 U
1,2-Dichloroethene (total)	10 U	NR	NR
cis-1,2-Dichloroethene	NR	1 U	1 U
trans-1,2-Dichloroethene	NR	1 U	1 U
Chloroform	10 U	1 U	1 U
1,2-Dichloroethane	10 U	1 U	1 U
2-Butanone	10 UJ	5 U	5 U
1,1,1-Trichloroethane	10 U	1 U	1 U
Carbon Tetrachloride	10 U	1 U	1 U
Bromodichloromethane	10 U	1 U	1 U
1,2-Dichloropropane	10 U	1 U	1 U
cis-1,3-Dichloropropene	10 U	1 U	1 U
Trichloroethene	10 U	1 U	0.5 J
Dibromochloromethane	10 U	1 U	1 U
1,1,2-Trichloroethane	10 U	1 U	1 U
Benzene	10 U	1 U	1 U
trans-1,3-Dichloropropene	10 U	1 U	1 U
Bromoform	10 U	1 U	1 U
4-Methyl-2-pentanone	10 U	5 U	5 U
2-Hexanone	10 U	5 U	5 U
Tetrachloroethene	10 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-9
 CRA Investigation of Bush Industries - May 1999
 Volatile Organic Compounds - Groundwater
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Area Location Sample I.D. Sampling Date Units	Bush Industries - CRA MW-U1 MW-U1 05/05/1999 ug/L	Bush Industries - CRA LV-4 B78404 05/05/1999 ug/L	Bush Industries - CRA LV-7 B78407 05/05/1999 ug/L
1,1,2,2-Tetrachloroethane	10 U	1 U	1 U
Toluene	10 U	1 U	1 U
Chlorobenzene	10 U	1 U	1 U
Ethylbenzene	10 U	1 U	1 U
Styrene	10 U	1 U	1 U
Xylenes (total)	10 U	1 U	1 U
Bromochloromethane	NR	1 U	1 U
1,2-Dibromoethane	NR	1 U	1 U
1,3-Dichlorobenzene	NR	1 U	1 U
1,4-Dichlorobenzene	NR	1 U	1 U
1,2-Dichlorobenzene	NR	1 U	1 U
1,2-Dibromo-3-chloropropane	NR	1 U	1 U
1,2,4-Trichlorobenzene	NR	1 U	1 U

TABLE B-10
 CRA Investigation of Bush Industries - December 1999
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Area Location Sample I.D.	Bush Industries - CRA MW-1 MW-1	Bush Industries - CRA MW-2 MW-2	Bush Industries - CRA MW-2 MW-D3 Duplicate of MW-2 12/14/1999	Bush Industries - CRA MW-4 MW-4 12/13/1999
Sampling Date Units	12/13/1999 ug/L	12/14/1999 ug/L	12/14/1999 ug/L	12/13/1999 ug/L
Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl chloride	10 U	1 J	1 J	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene chloride	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U
Carbon disulfide	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	0.7 J	0.7 J	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10 U	40	42	0.7 J
cis-1,2-Dichloroethene	NR	NR	NR	NR
trans-1,2-Dichloroethene	NR	NR	NR	NR
Chloroform	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Trichloroethene	10 U	84	87	1 J
Dibromochloromethane	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U
Benzene	10 U	0.4 J	0.4 J	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-10
 CRA Investigation of Bush Industries - December 1999
 Volatile Organic Compounds - Groundwater
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Area	Bush Industries - CRA	Bush Industries - CRA	Bush Industries - CRA	Bush Industries - CRA
Location	MW-1	MW-2	MW-2	MW-4
Sample I.D.	MW-1	MW-2	MW-D3 Duplicate of MW-2	MW-4
Sampling Date	12/13/1999	12/14/1999	12/14/1999	12/13/1999
Units	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U
Xylenes (total)	10 U	10 U	10 U	10 U
Bromochloromethane	NR	NR	NR	NR
1,2-Dibromoethane	NR	NR	NR	NR
1,3-Dichlorobenzene	NR	NR	NR	NR
1,4-Dichlorobenzene	NR	NR	NR	NR
1,2-Dichlorobenzene	NR	NR	NR	NR
1,2-Dibromo-3-chloropropane	NR	NR	NR	NR
1,2,4-Trichlorobenzene	NR	NR	NR	NR

TABLE B-10
 CRA Investigation of Bush Industries - December 1999
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Area	Bush Industries - CRA	Bush Industries - CRA	Bush Industries - CRA	Bush Industries - CRA
Location	MW-5	MW-6	MW-7	MW-D1
Sample I.D.	MW-5	MW-6	MW-7	MW-D1
Sampling Date	12/13/1999	12/13/1999	12/13/1999	12/13/1999
Units	ug/L	ug/L	ug/L	ug/L
Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl chloride	10 U	4 J	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene chloride	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U
Carbon disulfide	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10 U	30	0.3 J	4 J
cis-1,2-Dichloroethene	NR	NR	NR	NR
trans-1,2-Dichloroethene	NR	NR	NR	NR
Chloroform	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Trichloroethene	10 U	17	2 J	9 J
Dibromochloromethane	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-10
 CRA Investigation of Bush Industries - December 1999
 Volatile Organic Compounds - Groundwater
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Area Location Sample I.D.	Bush Industries - CRA MW-5 MW-5	Bush Industries - CRA MW-6 MW-6	Bush Industries - CRA MW-7 MW-7	Bush Industries - CRA MW-D1 MW-D1
Sampling Date Units	12/13/1999 ug/L	12/13/1999 ug/L	12/13/1999 ug/L	12/13/1999 ug/L
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U
Xylenes (total)	10 U	10 U	10 U	10 U
Bromochloromethane	NR	NR	NR	NR
1,2-Dibromoethane	NR	NR	NR	NR
1,3-Dichlorobenzene	NR	NR	NR	NR
1,4-Dichlorobenzene	NR	NR	NR	NR
1,2-Dichlorobenzene	NR	NR	NR	NR
1,2-Dibromo-3-chloropropane	NR	NR	NR	NR
1,2,4-Trichlorobenzene	NR	NR	NR	NR

TABLE B-10
 CRA Investigation of Bush Industries - December 1999
 Volatile Organic Compounds - Groundwater
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Area	Bush Industries - CRA	Bush Industries - CRA
Location	MW-D2	MW-U1
Sample I.D.	MW-D2	MW-U1
Sampling Date	12/14/1999	12/13/1999
Units	ug/L	ug/L
Chloromethane	10 U	10 U
Bromomethane	10 U	10 U
Vinyl chloride	10 U	10 U
Chloroethane	10 U	10 U
Methylene chloride	10 U	10 U
Acetone	10 U	10 U
Carbon disulfide	10 U	10 U
1,1-Dichloroethene	0.4 J	10 U
1,1-Dichloroethane	10 U	10 U
1,2-Dichloroethene (total)	16	10 U
cis-1,2-Dichloroethene	NR	NR
trans-1,2-Dichloroethene	NR	NR
Chloroform	10 U	10 U
1,2-Dichloroethane	10 U	10 U
2-Butanone	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U
Carbon Tetrachloride	10 U	10 U
Bromodichloromethane	10 U	10 U
1,2-Dichloropropane	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U
Trichloroethene	58	10 U
Dibromochloromethane	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U
Benzene	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U
Bromoform	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U
2-Hexanone	10 U	10 U
Tetrachloroethene	10 U	10 U

TABLE B-10
 CRA Investigation of Bush Industries - December 1999
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Area	Bush Industries - CRA	Bush Industries - CRA
Location	MW-D2	MW-U1
Sample I.D.	MW-D2	MW-U1
Sampling Date	12/14/1999	12/13/1999
Units	ug/L	ug/L

1,1,2,2-Tetrachloroethane	10 U	10 U
Toluene	10 U	10 U
Chlorobenzene	10 U	10 U
Ethylbenzene	10 U	10 U
Styrene	10 U	10 U
Xylenes (total)	10 U	10 U
Bromochloromethane	NR	NR
1,2-Dibromoethane	NR	NR
1,3-Dichlorobenzene	NR	NR
1,4-Dichlorobenzene	NR	NR
1,2-Dichlorobenzene	NR	NR
1,2-Dibromo-3-chloropropane	NR	NR
1,2,4-Trichlorobenzene	NR	NR

TABLE B-11
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Area Location	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-061998 06/19/1998 ug/L	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-062298 06/22/1998 ug/L	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-062498 06/24/1998 ug/L	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-062698 06/26/1998 ug/L	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-070198 07/01/1998 ug/L
Chloromethane	1 U	0.9 J	1 U	2	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 UJ	0.6 J	2 U	2	2 U
Acetone	16 JB	10 J	7 J	24 J	16 J
Carbon disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	R	3 J	R	6 J	2 J
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	5	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Field Blank	QA/QC Sample Field Blank	QA/QC Sample Field Blank	QA/QC Sample Field Blank
TtEC Sample I.D.	SimulProbe Groundwater LV-FBSBGW-061998	SimulProbe Groundwater LV-FBSBGW-062298	SimulProbe Groundwater LV-FBSBGW-062498	SimulProbe Groundwater LV-FBSBGW-062698	SimulProbe Groundwater LV-FBSBGW-070198
Sampling Date	06/19/1998	06/22/1998	06/24/1998	06/26/1998	07/01/1998
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	8	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	0.5 J	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	2	1 U	1 U	1 U	2
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	--	4 JN	3 JN	10 JN	11 J

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-070298 07/01/1998 ug/L	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-070698 07/06/1998 ug/L	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-070898 07/08/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGW-070998 07/09/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGW-071398 07/13/1998 ug/L
Chloromethane	1 U	1 U	1 U	1 UJ	1 U
Bromomethane	1 U	1 U	1 U	1 UJ	1 U
Vinyl chloride	1 U	1 U	1 U	1 UJ	0.2 J
Chloroethane	1 U	1 U	1 U	1 UJ	1 U
Methylene chloride	2 U	2 U	2 U	2 UJ	2 U
Acetone	22 J	8 J	13 J	7 J	7 J
Carbon disulfide	1 U	1 U	1 U	1 UJ	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 UJ	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 UJ	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 UJ	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 UJ	1 U
Chloroform	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 UJ	1 U
2-Butanone	3 J	R	3 J	3 J	R
Bromochloromethane	1 U	1 U	1 U	1 UJ	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 UJ	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 UJ	1 U
Bromodichloromethane	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 UJ	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 UJ	1 U
Trichloroethene	1 U	1 U	1 U	1 UJ	1 U
Dibromochloromethane	1 U	1 U	1 U	1 UJ	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 UJ	1 U
Benzene	1 U	1 U	1 U	1 UJ	0.2 J
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 UJ	1 U
Bromoform	1 U	1 U	1 U	1 UJ	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 UJ	5 U
2-Hexanone	5 U	5 U	5 U	5 UJ	5 U
Tetrachloroethene	1 U	1 U	1 U	1 UJ	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 UJ	1 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-070298 07/01/1998 ug/L	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-070698 07/06/1998 ug/L	QA/QC Sample Field Blank SimulProbe Groundwater LV-FBSBGW-070898 07/08/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGW-070998 07/09/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGW-071398 07/13/1998 ug/L
1,2-Dibromoethane	1 U	1 U	1 U	1 UJ	1 U
Toluene	1 U	1 U	1 U	1 UJ	1 U
Chlorobenzene	1 U	1 U	1 U	1 UJ	1 U
Ethylbenzene	1 U	1 U	1 U	1 UJ	1 U
Styrene	1 U	1 U	1 U	1 UJ	1 U
Xylenes (total)	1 U	1 U	1 U	1 UJ	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 UJ	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 UJ	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 UJ	1 U
Total Volatile TICs	6 JN	--	--	2 JN	--

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 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Field Blank Groundwater	QA/QC Sample Field Blank Groundwater	QA/QC Sample Field Blank Groundwater	QA/QC Sample Field Blank Groundwater	QA/QC Sample Field Blank Groundwater
TtEC Sample I.D.	LV-FBGWBLR-071398	LV-FBGW-071498	LV-FBGW-071598	LV-FBGW-071698	LV-FBGWAM-072898
Sampling Date	07/13/1998	07/14/1998	07/15/1998	07/16/1998	07/28/1998
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	0.7 J	1 U	2	0.6 J	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	0.3 JB	0.2 JB	1 JB	0.6 JB	2 U
Acetone	8 J	21 J	19 J	9 J	R
Carbon disulfide	1 U	1 U	1 U	0.2 JB	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	0.2 J	1 U	0.3 J	1 U
2-Butanone	2 J	4 J	5 J	3 J	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	0.2 J	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Field Blank Groundwater	QA/QC Sample Field Blank Groundwater	QA/QC Sample Field Blank Groundwater	QA/QC Sample Field Blank Groundwater	QA/QC Sample Field Blank Groundwater
TtEC Sample I.D.	LV-FBGWBLR-071398	LV-FBGW-071498	LV-FBGW-071598	LV-FBGW-071698	LV-FBGWAM-072898
Sampling Date	07/13/1998	07/14/1998	07/15/1998	07/16/1998	07/28/1998
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	0.5 J	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	--	--	--	--	--

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Field Blank Groundwater LV-FBGWPM-072898 07/28/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGW-072998 07/29/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGW-073098 07/29/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGWBLR-072998 07/29/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGWBLR-073098 07/30/1998 ug/L
Chloromethane	1 U	1 J	2 J	1 U	1 UJ
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 U	2 U	0.7 J	2 U	1 J
Acetone	R	R	22 J	R	R
Carbon disulfide	1 U	1 U	0.4 J	1 U	1 UJ
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 UJ
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	0.8 J
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	R	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 UJ
2-Hexanone	R	R	R	R	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Field Blank Groundwater LV-FBGWPM-072898 07/28/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGW-072998 07/29/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGW-073098 07/29/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGWBLR-072998 07/29/1998 ug/L	QA/QC Sample Field Blank Groundwater LV-FBGWBLR-073098 07/30/1998 ug/L
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	0.4 J	1 U	0.5 J	1 U	0.5 J
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	--	--	--	--	--

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-061798 06/17/1998 ug/L	LV-TB-061998 06/19/1998 ug/L	LV-TB-062298 06/22/1998 ug/L	LV-TB-062398 06/23/1998 ug/L	LV-TB-062498 06/24/1998 ug/L
Chloromethane	2	1	1 U	1 U	1
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	0.8 JB	1 JB	5 U	2 U	0.6 JB
Acetone	6 JB	10 JB	6 J	8 J	11 J
Carbon disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	2 J	3 J	R	R	2 J
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LV-TB-061798	LV-TB-061998	LV-TB-062298	LV-TB-062398	LV-TB-062498
Sampling Date	06/17/1998	06/19/1998	06/22/1998	06/23/1998	06/24/1998
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	5 JN	3 JN	--	--	9 JN

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 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-062598 06/25/1998 ug/L	LV-TB-062698 06/26/1998 ug/L	LV-TB-062998 06/29/1998 ug/L	LV-TB-070198 07/01/1998 ug/L	LV-TB-070298 07/02/1998 ug/L
Chloromethane	1 U	1 U	1 U	2	3
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 U	2 U	2 U	0.6 J	0.6 J
Acetone	6 J	11 J	10 J	6 J	8 J
Carbon disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	5 J	3 J	4 J	R	2 J
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-062598 06/25/1998 ug/L	LV-TB-062698 06/26/1998 ug/L	LV-TB-062998 06/29/1998 ug/L	LV-TB-070198 07/01/1998 ug/L	LV-TB-070298 07/02/1998 ug/L
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	4 JN	4 JN	2 JN	5 JN	5 JN

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-070698 07/06/1998 ug/L	LV-TB-070898 07/08/1998 ug/L	LV-TB-070998 07/09/1998 ug/L	LV-TB-071398 07/13/1998 ug/L	LV-TB-071498 07/14/1998 ug/L
Chloromethane	1 U	1 U	1 UJ	1 U	37 D
Bromomethane	1 U	1 U	1 UJ	1 U	1 U
Vinyl chloride	1 U	1 U	1 UJ	1 U	1 U
Chloroethane	1 U	1 U	1 UJ	1 U	2
Methylene chloride	2 U	2 U	2 UJ	2 U	5
Acetone	10 J	8 J	8 J	8 J	19 J
Carbon disulfide	1 U	1 U	1 UJ	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 UJ	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 UJ	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 UJ	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 UJ	1 U	1 U
Chloroform	1 U	1 U	1 UJ	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 UJ	1 U	0.8 J
2-Butanone	3 J	R	R	R	5 J
Bromochloromethane	1 U	1 U	1 UJ	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 UJ	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 UJ	1 U	1 U
Bromodichloromethane	1 U	1 U	1 UJ	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 UJ	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 UJ	1 U	1 U
Trichloroethene	1 U	1 U	1 UJ	1 U	1 U
Dibromochloromethane	1 U	1 U	1 UJ	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 UJ	1 U	1 U
Benzene	1 U	1 U	1 UJ	1 U	0.2 J
trans-1,3-Dichloropropene	1 U	1 U	1 UJ	1 U	1 U
Bromoform	1 U	1 U	1 UJ	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 UJ	5 U	5 U
2-Hexanone	5 U	5 U	5 UJ	5 U	5 U
Tetrachloroethene	1 U	1 U	1 UJ	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 UJ	1 U	1 U

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-070698 07/06/1998 ug/L	LV-TB-070898 07/08/1998 ug/L	LV-TB-070998 07/09/1998 ug/L	LV-TB-071398 07/13/1998 ug/L	LV-TB-071498 07/14/1998 ug/L
1,2-Dibromoethane	1 U	1 U	1 UJ	1 U	1 U
Toluene	1 U	1 U	1 UJ	1 U	1 U
Chlorobenzene	1 U	1 U	1 UJ	1 U	1 U
Ethylbenzene	1 U	1 U	1 UJ	1 U	1 U
Styrene	1 U	1 U	1 UJ	1 U	1 U
Xylenes (total)	1 U	1 U	1 UJ	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 UJ	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 UJ	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 UJ	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 UJ	1 U	1 U
Total Volatile TICs	4 JN	4 JN	3 JN	--	--

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-071598 07/15/1998 ug/L	LV-TB-071698 07/16/1998 ug/L	LV-TB-072798 07/27/1998 ug/L	LV-TB-072898 07/28/1998 ug/L	LV-TBBLR-072998 07/29/1998 ug/L
Chloromethane	3	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2 U	2 U	2 U	2 U	2 U
Acetone	13 J	R	R	R	R
Carbon disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	5 J	2 J	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	R	R	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-071598 07/15/1998 ug/L	LV-TB-071698 07/16/1998 ug/L	LV-TB-072798 07/27/1998 ug/L	LV-TB-072898 07/28/1998 ug/L	LV-TBBLR-072998 07/29/1998 ug/L
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	0.5 J	1 U	0.4 J	0.4 J	0.4 J
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	--	--	--	--	--

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Deionized Water Blank	QA/QC Sample Deionized Water Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-073098 07/30/1998 ug/L	LV-DI-070198 07/01/1998 ug/L	LV-DIGW-073098 07/30/1998 ug/L
Chloromethane	2 J	6	2 J
Bromomethane	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U
Methylene chloride	2	2 U	0.7 J
Acetone	R	10 UJ	21 J
Carbon disulfide	1 UJ	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U
1,1-Dichloroethane	1 UJ	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U
2-Butanone	R	3 J	R
Bromochloromethane	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U
Benzene	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U
4-Methyl-2-pentanone	5 UJ	5 U	5 U
2-Hexanone	R	5 U	R
Tetrachloroethene	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U

TABLE B-11
 Volatile Organic Compounds - Quality Assurance/Quality Control (1998)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Deionized Water Blank	QA/QC Sample Deionized Water Blank
TtEC Sample I.D.	LV-TB-073098	LV-DI-070198	LV-DIGW-073098
Sampling Date	07/30/1998	07/01/1998	07/30/1998
Units	ug/L	ug/L	ug/L

1,2-Dibromoethane	1 U	1 U	1 U
Toluene	0.4 J	1 U	0.7 J
Chlorobenzene	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U
Styrene	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	R	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U
Total Volatile TICs	--	R	--

TABLE B-12
 Volatile Organic Compounds - Quality Assurance/Quality Control (1999)
 Little Valley Superfund Site
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Area Location	QA/QC Sample DI Water Blank	QA/QC Sample Field Blank	QA/QC Sample Field Blank	QA/QC Sample Field Blank (for CCA2 only)	QA/QC Sample Field Blank	QA/QC Sample Field Blank (Pump)
TtEC Sample I.D. Sampling Date Units	LI-DI-101499 ug/L	LI-FB-101299 10/12/1999 ug/L	LI-FB-101399 10/13/1999 ug/L	LI-FB-101499 10/14/1999 ug/L	LI-FB-102699 10/26/1999 ug/L	LI-FB-102799 10/27/1999 ug/L
Chloromethane	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	8 J	9 J	5 R	7 J	6 J	5 R
Carbon Disulfide	1 U	1 U	1	8	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5 R	5 R	5 R	5 R	5 R	5 R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 UJ
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 R
2-Hexanone	5 U	5 U	5 R	5 U	5 R	5 R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U

TABLE B-12
 Volatile Organic Compounds - Quality Assurance/Quality Control (1999)
 Little Valley Superfund Site
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Area Location	QA/QC Sample DI Water Blank	QA/QC Sample Field Blank	QA/QC Sample Field Blank	QA/QC Sample Field Blank (for CCA2 only)	QA/QC Sample Field Blank	QA/QC Sample Field Blank (Pump)
TtEC Sample I.D. Sampling Date Units	LI-DI-101499 ug/L	LI-FB-101299 10/12/1999 ug/L	LI-FB-101399 10/13/1999 ug/L	LI-FB-101499 10/14/1999 ug/L	LI-FB-102699 10/26/1999 ug/L	LI-FB-102799 10/27/1999 ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1 UJ	0.3 J	1 U	1 UJ	2	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 R	1 R	1 R	1 R	1 UJ	1 UJ
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 UJ
Total Volatile TICs	--	--	--	--	2 JN	--

TABLE B-12
 Volatile Organic Compounds - Quality Assurance/Quality Control (1999)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Field Blank (Bailer; CCA2 only)	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LI-FB-102799	LI-TB-101299	LI-TB-101399	LI-TB-102699	LI-TB-102799
Sampling Date	10/27/1999	10/12/1999	10/13/1999	10/26/1999	10/27/1999
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	2 U	2 U	2 U	2 U	2 U
Acetone	5 R	5 R	5 R	5 R	9 J
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	5 R	5 R	5 R	5 R	5 R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 UJ	1 U	1 U	1 U	1 UJ
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 R	5 U	5 U	5 U	5 R
2-Hexanone	5 R	5 U	5 U	5 R	5 R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

TABLE B-12
 Volatile Organic Compounds - Quality Assurance/Quality Control (1999)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Field Blank (Bailer; CCA2 only)	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LI-FB-102799	LI-TB-101299	LI-TB-101399	LI-TB-102699	LI-TB-102799
Sampling Date	10/27/1999	10/12/1999	10/13/1999	10/26/1999	10/27/1999
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	0.3 J	0.5 J	1	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 UJ	1 R	1 R	1 UJ	1 UJ
1,2,4-Trichlorobenzene	1 UJ	1 U	1 U	1 U	1 UJ
Total Volatile TICs	--	--	--	--	--

TABLE B-13
 Volatile Organic Compounds - Quality Assurance/Quality Control (2000/2001)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D.	LV-BIA-FB010401	LV-BIA-TB010401	LV-BIA-FB010801	LV-BIA-TB010801	LV-BIA-FB010901
Sampling Date	01/04/2001	01/04/2001	01/08/2001	01/08/2001	01/09/2001
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	2 U	2 U	2 U	2 U	2 U
Acetone	R	R	R	R	R
Carbon Disulfide	1 U	1 U	3	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	0.9 J	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	R	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	R	R	R	R	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

TABLE B-13
 Volatile Organic Compounds - Quality Assurance/Quality Control (2000/2001)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D.	LV-BIA-FB010401	LV-BIA-TB010401	LV-BIA-FB010801	LV-BIA-TB010801	LV-BIA-FB010901
Sampling Date	01/04/2001	01/04/2001	01/08/2001	01/08/2001	01/09/2001
Units	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	0.9 J	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	2 J	--	--	--	3 J

TABLE B-13
 Volatile Organic Compounds - Quality Assurance/Quality Control (2000/2001)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-BIA-TB010901 01/09/2001 ug/L	LV-BIA-FB011001 01/10/2001 ug/L	LV-BIA-TB011001 01/10/2001 ug/L	LV-BIA-FB011101 01/11/2001 ug/L	LV-BIA-TB011101 01/11/2001 ug/L
Chloromethane	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	2 U	2 U	2 U	2 U	2 U
Acetone	R	R	R	R	R
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
2-Butanone	R	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U
2-Hexanone	R	R	R	R	R
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U

TABLE B-13
 Volatile Organic Compounds - Quality Assurance/Quality Control (2000/2001)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-BIA-TB010901 01/09/2001 ug/L	LV-BIA-FB011001 01/10/2001 ug/L	LV-BIA-TB011001 01/10/2001 ug/L	LV-BIA-FB011101 01/11/2001 ug/L	LV-BIA-TB011101 01/11/2001 ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	R	R
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U
Total Volatile TICs	4 J	3 J	4 J	3 J	5 J

TABLE B-13
 Volatile Organic Compounds - Quality Assurance/Quality Control (2000/2001)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample DI Water Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LV-BIA-FB011201	LV-BIA-TB011201	LV-BIA-DI010501	LV-BIA-TB121100
Sampling Date	01/12/2001	01/12/2001	01/05/2001	12/11/2000
Units	ug/L	ug/L	ug/L	ug/L
Chloromethane	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U
Methylene Chloride	2 U	2 U	2 U	2 U
Acetone	R	R	R	R
Carbon Disulfide	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U
2-Butanone	R	R	R	R
Bromochloromethane	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 UJ
2-Hexanone	R	R	R	R
Tetrachloroethene	1 U	1 U	1 U	1 U

TABLE B-13
 Volatile Organic Compounds - Quality Assurance/Quality Control (2000/2001)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample DI Water Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LV-BIA-FB011201	LV-BIA-TB011201	LV-BIA-DI010501	LV-BIA-TB121100
Sampling Date	01/12/2001	01/12/2001	01/05/2001	12/11/2000
Units	ug/L	ug/L	ug/L	ug/L
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U
Xylenes (total)	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	R	R	R	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U
Total Volatile TICs	3 J	4 J	R	--

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample DI Water Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-DI-043002 04/30/2002 ug/L	LV-TB-GW-043002 04/30/2002 ug/L	LV-FB-GW-043002 04/30/2002 ug/L	LV-TB-GW-090803 09/08/2003 ug/L	LV-TB-GW-090903 09/09/2003 ug/L	LV-TB-GW-091003 09/10/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene	0.5 U	0.5 UJ	0.5 UJ	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	0.5 U	0.5 U	0.5 U
Acetone	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Benzene	5 U	3.7 J	4.5 J	0.5 U	0.5 U	0.5 U

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample DI Water Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-DI-043002 04/30/2002 ug/L	LV-TB-GW-043002 04/30/2002 ug/L	LV-FB-GW-043002 04/30/2002 ug/L	LV-TB-GW-090803 09/08/2003 ug/L	LV-TB-GW-090903 09/09/2003 ug/L	LV-TB-GW-091003 09/10/2003 ug/L
Benzene, dimethyl-	0.5 U	0.5 U	0.5 U	NA	NA	NA
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	NA	NA	NA
Bromoform	NA	NA	NA	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.3 J	0.24 J	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	0.5 U	0.5 U	0.5 U	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5 U	0.5 U	0.5 U	NA	NA	NA
Isopropanol	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	0.5 U	0.5 U	0.5 U
m/p-xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	1.2	1.3
Naphthalene	0.5 U	0.5 U	0.5 U	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample DI Water Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-DI-043002 04/30/2002 ug/L	LV-TB-GW-043002 04/30/2002 ug/L	LV-FB-GW-043002 04/30/2002 ug/L	LV-TB-GW-090803 09/08/2003 ug/L	LV-TB-GW-090903 09/09/2003 ug/L	LV-TB-GW-091003 09/10/2003 ug/L
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	0.5 U	0.5 U	0.5 U
p-Isopropyl toluene	0.5 U	0.5 U	0.5 U	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	0.5 U	0.5 U	0.5 U	NA	NA	NA
Tetrachloroethene	NA	NA	NA	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	--	--	--	--	--

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-GW-09150 09/15/2003 ug/L	LV-TB-091503 09/15/2003 ug/L	LV-TB-091703 09/17/2003 ug/L	LV-FB-GW-09180 09/18/2003 ug/L	LV-TB-091803 09/18/2003 ug/L	LV-TB-091903 09/19/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	5 U	5 U	0.5 U	5 U	5 U	0.5 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	5 U	5 U	0.5 U	5 U	5 U	0.5 U
4-Chlorotoluene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	5 U	5 U	0.5 U	5 U	5 U	0.5 U
Acetone	5.1	5 U	2.5 U	5 U	5 U	2.5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-GW-09150 09/15/2003 ug/L	LV-TB-091503 09/15/2003 ug/L	LV-TB-091703 09/17/2003 ug/L	LV-FB-GW-09180 09/18/2003 ug/L	LV-TB-091803 09/18/2003 ug/L	LV-TB-091903 09/19/2003 ug/L
Benzene, dimethyl-	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.17	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Isopropanol	NA	NA	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	NA	NA	0.5 U	NA	NA	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.23	0.5 U	0.87	0.5 U	0.5 U	0.69
Naphthalene	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-GW-09150 09/15/2003 ug/L	LV-TB-091503 09/15/2003 ug/L	LV-TB-091703 09/17/2003 ug/L	LV-FB-GW-09180 09/18/2003 ug/L	LV-TB-091803 09/18/2003 ug/L	LV-TB-091903 09/19/2003 ug/L
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	0.5 U	NA	NA	0.5 U
p-Isopropyl toluene	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.18	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.22	0.23	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	--	--	--	--	--

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CT-092203 09/22/2003 ug/L	LV-FB-CLP-GW-0 09/22/2003 ug/L	LV-TB-CLP-0922 09/22/2003 ug/L	LV-FB-GW-09230 09/23/2003 ug/L	LV-TB-092303 09/23/2003 ug/L	LV-FB-GW-CLP-0 09/24/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	2.5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	2.5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	2.5 U	5 U	5 U	5 U	5 U	5 U
Acetone	15	5 U	5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CT-092203 09/22/2003 ug/L	LV-FB-CLP-GW-0 09/22/2003 ug/L	LV-TB-CLP-0922 09/22/2003 ug/L	LV-FB-GW-09230 09/23/2003 ug/L	LV-TB-092303 09/23/2003 ug/L	LV-FB-GW-CLP-0 09/24/2003 ug/L
Benzene, dimethyl-	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Isopropanol	NA	NA	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	0.5 U	NA	NA	NA	NA	NA
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CT-092203 09/22/2003 ug/L	LV-FB-CLP-GW-0 09/22/2003 ug/L	LV-TB-CLP-0922 09/22/2003 ug/L	LV-FB-GW-09230 09/23/2003 ug/L	LV-TB-092303 09/23/2003 ug/L	LV-FB-GW-CLP-0 09/24/2003 ug/L
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	0.5 U	NA	NA	NA	NA	NA
p-Isopropyl toluene	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	--	--	--	--	--

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CLP-0924 09/24/2003 ug/L	LV-TB-CT-092403 09/24/2003 ug/L	LV-TB-092503 09/25/2003 ug/L	LV-FB-GW-CLP-0 09/26/2003 ug/L	LV-TB-CLP-0926 09/26/2003 ug/L	LV-TB-CT-092603 09/26/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	5 U	2.5 U	2.5 U	5 U	5 U	2.5 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	5 U	2.5 U	2.5 U	5 U	5 U	2.5 U
4-Chlorotoluene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	5 U	2.5 U	2.5 U	5 U	5 U	2.5 U
Acetone	5 U	2.5 U	2.5 U	5 U	5 U	2.5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CLP-0924 09/24/2003 ug/L	LV-TB-CT-092403 09/24/2003 ug/L	LV-TB-092503 09/25/2003 ug/L	LV-FB-GW-CLP-0 09/26/2003 ug/L	LV-TB-CLP-0926 09/26/2003 ug/L	LV-TB-CT-092603 09/26/2003 ug/L
Benzene, dimethyl-	0.5 U	NA	NA	0.5 U	0.5 U	NA
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Isopropanol	NA	NA	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	NA	0.5 U	0.5 U	NA	NA	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	1	0.7	0.5 U	0.5 U	1
Naphthalene	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CLP-0924 09/24/2003 ug/L	LV-TB-CT-092403 09/24/2003 ug/L	LV-TB-092503 09/25/2003 ug/L	LV-FB-GW-CLP-0 09/26/2003 ug/L	LV-TB-CLP-0926 09/26/2003 ug/L	LV-TB-CT-092603 09/26/2003 ug/L
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	NA	0.5 U	0.5 U	NA	NA	0.5 U
p-Isopropyl toluene	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	--	--	--	--	--

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-GW-CLP-09 09/29/2003 ug/L	LV-TB-CLP-09290 09/29/2003 ug/L	LV-TB-CT-093003 09/30/2003 ug/L	LV-FB-GW-CLP-09 09/30/2003 ug/L	LV-TB-CLP-09300 09/30/2003 ug/L	LV-FB-GW-CLP-10 10/01/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	5 U	5 U	2.5 U	5 U	5 U	5 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	5 U	5 U	2.5 U	5 U	5 U	5 U
4-Chlorotoluene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	5 U	5 U	2.5 U	5 U	5 U	5 U
Acetone	5 U	5 U	2.5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-GW-CLP-09 09/29/2003 ug/L	LV-TB-CLP-09290 09/29/2003 ug/L	LV-TB-CT-093003 09/30/2003 ug/L	LV-FB-GW-CLP-09 09/30/2003 ug/L	LV-TB-CLP-09300 09/30/2003 ug/L	LV-FB-GW-CLP-10 10/01/2003 ug/L
Benzene, dimethyl-	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.21	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Isopropanol	NA	NA	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	NA	NA	0.5 U	NA	NA	NA
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.67	0.98	0.5 U	0.74	0.69	0.45
Naphthalene	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D.	LV-FB-GW-CLP-09	LV-TB-CLP-09290	LV-TB-CT-093003	LV-FB-GW-CLP-09	LV-TB-CLP-09300	LV-FB-GW-CLP-10
Sampling Date	09/29/2003	09/29/2003	09/30/2003	09/30/2003	09/30/2003	10/01/2003
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	0.5 U	NA	NA	NA
p-Isopropyl toluene	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	--	--	--	--	--

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CLP-10010 10/01/2003 ug/L	LV-TB-CT-100103 10/01/2003 ug/L	LV-TB-CT-100203 10/02/2003 ug/L	LV-FB-GW-CLP-10 10/02/2003 ug/L	LV-TB-CLP-10020 10/02/2003 ug/L	LV-FB-GW-CLP-10 10/06/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	5 U	2.5 U	2.5 U	5 U	5 U	5 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	5 U	2.5 U	2.5 U	5 U	5 U	5 U
4-Chlorotoluene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	5 U	2.5 U	2.5 U	5 U	5 U	5 U
Acetone	5 U	2.5 U	2.5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CLP-10010 10/01/2003 ug/L	LV-TB-CT-100103 10/01/2003 ug/L	LV-TB-CT-100203 10/02/2003 ug/L	LV-FB-GW-CLP-10 10/02/2003 ug/L	LV-TB-CLP-10020 10/02/2003 ug/L	LV-FB-GW-CLP-10 10/06/2003 ug/L
Benzene, dimethyl-	0.5 U	NA	NA	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Isopropanol	NA	NA	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	NA	0.5 U	0.5 U	NA	NA	NA
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.38	1.8	1.3	0.47	0.29	0.5 U
Naphthalene	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA

See Table B-1 for abbreviations and data qualifiers.

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CLP-10010 10/01/2003 ug/L	LV-TB-CT-100103 10/01/2003 ug/L	LV-TB-CT-100203 10/02/2003 ug/L	LV-FB-GW-CLP-10 10/02/2003 ug/L	LV-TB-CLP-10020 10/02/2003 ug/L	LV-FB-GW-CLP-10 10/06/2003 ug/L
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	NA	0.5 U	0.5 U	NA	NA	NA
p-Isopropyl toluene	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	--	--	--	--	--

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CLP-10060 10/06/2003 ug/L	LV-TB-CT-100603 10/06/2003 ug/L	LV-FB-GW-CLP-10 10/07/2003 ug/L	LV-TB-CLP-10070 10/07/2003 ug/L	LV-TB-CT-100703 10/07/2003 ug/L	LV-TB-CT-100803 10/08/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	5 U	2.5 U	5 U	5 U	2.5 U	2.5 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	5 U	2.5 U	5 U	5 U	2.5 U	2.5 U
4-Chlorotoluene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	5 U	2.5 U	5 U	5 U	2.5 U	2.5 U
Acetone	5 U	2.5 U	5 U	5 U	2.5 U	2.5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CLP-10060 10/06/2003 ug/L	LV-TB-CT-100603 10/06/2003 ug/L	LV-FB-GW-CLP-10 10/07/2003 ug/L	LV-TB-CLP-10070 10/07/2003 ug/L	LV-TB-CT-100703 10/07/2003 ug/L	LV-TB-CT-100803 10/08/2003 ug/L
Benzene, dimethyl-	0.5 U	NA	0.5 U	0.5 U	NA	NA
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Isopropanol	NA	NA	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	NA	0.5 U	NA	NA	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	1.1	0.5 U	0.5 U	1.3	1.5
Naphthalene	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-CLP-10060 10/06/2003 ug/L	LV-TB-CT-100603 10/06/2003 ug/L	LV-FB-GW-CLP-10 10/07/2003 ug/L	LV-TB-CLP-10070 10/07/2003 ug/L	LV-TB-CT-100703 10/07/2003 ug/L	LV-TB-CT-100803 10/08/2003 ug/L
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	NA	0.5 U	NA	NA	0.5 U	0.5 U
p-Isopropyl toluene	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	--	--	--	--	--

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-SW-100903 10/09/2003 ug/L	LV-FB-GW-CLP-10 10/09/2003 ug/L	LV-TB-CLP-10080 10/09/2003 ug/L	LV-TB-SW-100803 10/09/2003 ug/L	LV-FB-111203 11/12/2003 ug/L	LV-TB-111203 11/12/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA	0.5 U	0.5 U
2-Butanone	5 U	5 U	5 U	5 U	1 U	1 U
2-Chlorotoluene	NA	NA	NA	NA	0.5 U	0.5 U
2-Hexanone	5 U	5 U	5 U	5 U	1 U	1 U
4-Chlorotoluene	NA	NA	NA	NA	0.5 U	0.5 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	1 U	1 U
Acetone	5 U	5	5 U	5	1.6	1.9
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-TB-SW-100903 10/09/2003 ug/L	LV-FB-GW-CLP-10 10/09/2003 ug/L	LV-TB-CLP-10080 10/09/2003 ug/L	LV-TB-SW-100803 10/09/2003 ug/L	LV-FB-111203 11/12/2003 ug/L	LV-TB-111203 11/12/2003 ug/L
Benzene, dimethyl-	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA
Bromobenzene	NA	NA	NA	NA	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.37	0.33	0.25	0.27	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	NA	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	0.5 U	0.5 U
Isopropanol	NA	NA	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	NA	NA	NA	NA	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5	0.5 U	0.5	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	NA	NA	NA	NA	0.5 U	0.5 U
n-Butylbenzene	NA	NA	NA	NA	0.5 U	0.5 U

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LV-TB-SW-100903	LV-FB-GW-CLP-10	LV-TB-CLP-10080	LV-TB-SW-100803	LV-FB-111203	LV-TB-111203
Sampling Date	10/09/2003	10/09/2003	10/09/2003	10/09/2003	11/12/2003	11/12/2003
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
n-Propylbenzene	NA	NA	NA	NA	0.5 U	0.5 U
o-Xylene	NA	NA	NA	NA	0.5 U	0.5 U
p-Isopropyl toluene	NA	NA	NA	NA	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	NA	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	0.5 U	0.5 U
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	--	0.56	0.5	--	--

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-111803 11/18/2003 ug/L	LV-TB-111803 11/18/2003 ug/L	LV-FB-111903 11/19/2003 ug/L	LV-TB-111903 11/19/2003 ug/L	LV-FB-112003 11/20/2003 ug/L	LV-TB-112003 11/20/2003 ug/L
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	1 U	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	5 U	5 U	1 U	1.1	1.2	1 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TiEC Sample I.D. Sampling Date Units	LV-FB-111803 11/18/2003 ug/L	LV-TB-111803 11/18/2003 ug/L	LV-FB-111903 11/19/2003 ug/L	LV-TB-111903 11/19/2003 ug/L	LV-FB-112003 11/20/2003 ug/L	LV-TB-112003 11/20/2003 ug/L
Benzene, dimethyl-	NA	NA	NA	NA	NA	NA
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropanol	19	NA	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	9 U	9 U	9 U	9 U
Naphthalene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LV-FB-111803	LV-TB-111803	LV-FB-111903	LV-TB-111903	LV-FB-112003	LV-TB-112003
Sampling Date	11/18/2003	11/18/2003	11/19/2003	11/19/2003	11/20/2003	11/20/2003
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyl toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	--	0.9	--	--	1

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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-120103 12/01/2003 ug/L	LV-TB-120103 12/01/2003 ug/L	LV-FB-120203 12/02/2003 ug/L	LV-TB-120203 12/02/2003 ug/L	LV-FB-120303 12/03/2003 ug/L	LV-TB-120303 12/03/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-120103 12/01/2003 ug/L	LV-TB-120103 12/01/2003 ug/L	LV-FB-120203 12/02/2003 ug/L	LV-TB-120203 12/02/2003 ug/L	LV-FB-120303 12/03/2003 ug/L	LV-TB-120303 12/03/2003 ug/L
Benzene, dimethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.2	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Isopropanol	NA	NA	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	NA	NA	NA	NA	NA	NA
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TiEC Sample I.D. Sampling Date Units	LV-FB-120103 12/01/2003 ug/L	LV-TB-120103 12/01/2003 ug/L	LV-FB-120203 12/02/2003 ug/L	LV-TB-120203 12/02/2003 ug/L	LV-FB-120303 12/03/2003 ug/L	LV-TB-120303 12/03/2003 ug/L
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA
p-Isopropyl toluene	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.2	0.17	0.19	0.2	0.5 U	0.18
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	1.19	--	--	1.81	--	--

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-120403 12/04/2003 ug/L	LV-TB-120403 12/04/2003 ug/L	LV-FB-120803 12/08/2003 ug/L	LV-TB-120803 12/08/2003 ug/L	LV-FB-120903 12/09/2003 ug/L	LV-TB-120903 12/09/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

See Table B-1 for abbreviations and data qualifiers.

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LV-FB-120403	LV-TB-120403	LV-FB-120803	LV-TB-120803	LV-FB-120903	LV-TB-120903
Sampling Date	12/04/2003	12/04/2003	12/08/2003	12/08/2003	12/09/2003	12/09/2003
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Benzene, dimethyl-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Isopropanol	NA	NA	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	NA	NA	NA	NA	NA	NA
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-120403 12/04/2003 ug/L	LV-TB-120403 12/04/2003 ug/L	LV-FB-120803 12/08/2003 ug/L	LV-TB-120803 12/08/2003 ug/L	LV-FB-120903 12/09/2003 ug/L	LV-TB-120903 12/09/2003 ug/L
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA
p-Isopropyl toluene	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	--	2.51	--	0.64	7	--

TABLE B-14
Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D. Sampling Date Units	LV-FB-121003 12/10/2003 ug/L	LV-TB-121003 12/10/2003 ug/L	LV-FB-121103 12/11/2003 ug/L	LV-TB-121103 12/11/2003 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NA	NA	NA	NA
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	NA
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	NA	NA	NA	NA
2-Butanone	5 U	5 U	5 U	5 U
2-Chlorotoluene	NA	NA	NA	NA
2-Hexanone	5 U	5 U	5 U	5 U
4-Chlorotoluene	NA	NA	NA	NA
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LV-FB-121003	LV-TB-121003	LV-FB-121103	LV-TB-121103
Sampling Date	12/10/2003	12/10/2003	12/11/2003	12/11/2003
Units	ug/L	ug/L	ug/L	ug/L
Benzene, dimethyl-	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NA	NA	NA	NA
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	NA
Dichlorodifluoromethane	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	NA
Isopropanol	NA	NA	NA	NA
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U
m/p-xylene	NA	NA	NA	NA
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA

TABLE B-14
 Volatile Organic Compounds - Quality Assurance/Quality Control (2002/2003)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LV-FB-121003	LV-TB-121003	LV-FB-121103	LV-TB-121103
Sampling Date	12/10/2003	12/10/2003	12/11/2003	12/11/2003
Units	ug/L	ug/L	ug/L	ug/L
n-Propylbenzene	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA
p-Isopropyl toluene	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA
Styrene	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	NA
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.15	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	7.2	--	--	--

TABLE B-15
 Volatile Organic Compounds - Quality Assurance/Quality Control (2006)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LVRD01-FB102306	LVRD01-TB102306	LVRD01-FB102406	LVRD01-TB102406	LVRD01-FB102506	LVRD01-TB102506
Sampling Date Units	10/23/2006 ug/L	10/23/2006 ug/L	10/24/2006 ug/L	10/24/2006 ug/L	10/25/2006 ug/L	10/25/2006 ug/L
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	20 R	20 R	20 R	20 R	20 R	20 R
2-Butanone	5 U	5 U	5 U	0.6 J	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	0.61 J	1.1 J	7.5	0.84 J	1.5 J	5 U
Benzene	0.5 U	0.5 U	0.066 J	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.054 J	0.053 J	0.06 J	0.086 J	0.1 J
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.13 J	0.5 U

See Table B-1 for abbreviations and data qualifiers.

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 Volatile Organic Compounds - Quality Assurance/Quality Control (2006)
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LVRD01-FB102306	LVRD01-TB102306	LVRD01-FB102406	LVRD01-TB102406	LVRD01-FB102506	LVRD01-TB102506
Sampling Date Units	10/23/2006 ug/L	10/23/2006 ug/L	10/24/2006 ug/L	10/24/2006 ug/L	10/25/2006 ug/L	10/25/2006 ug/L
Chloroform	0.053 J	0.5 U	0.076 J	0.075 J	0.06 J	0.05 J
Chloromethane	0.26 J	0.32 J	0.5 U	0.33 J	0.48 J	0.28 J
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.25 J	0.5 U	0.21 J	0.21 J	0.46 J	0.46 J
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m+p-xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.55	0.13 J	0.13 J	0.12 J	0.083 J	0.14 J
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.09 J	0.098 J
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Volatile TICs	27.71 JN	4.1 JN	--	--	3.7 J	R

TABLE B-15
 Volatile Organic Compounds - Quality Assurance/Quality Control (2006)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LVRD01-FB102606	LVRD01-TB102606	LVRD01-FB103006	LVRD01-TB103006	LVRD01-FB103106	LVRD01-TB103106
Sampling Date	10/26/2006	10/26/2006	10/30/2006	10/30/2006	10/31/2006	10/31/2006
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	20 R	20 R	20 R	20 R	20 R	20 R
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	3.2 J	5 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	8.6	1.5 J	16	1.1 J	7.9	0.82 J
Benzene	0.076 J	0.5 U	0.5 U	0.5 U	0.081 J	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.11 J	0.097 J	0.098 J	0.1 J	0.094 J	0.078 J
Carbon disulfide	0.5 U	0.056 J	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

TABLE B-15
 Volatile Organic Compounds - Quality Assurance/Quality Control (2006)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample Field Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LVRD01-FB102606	LVRD01-TB102606	LVRD01-FB103006	LVRD01-TB103006	LVRD01-FB103106	LVRD01-TB103106
Sampling Date	10/26/2006	10/26/2006	10/30/2006	10/30/2006	10/31/2006	10/31/2006
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Chloroform	0.5 U	0.5 U	0.5 U	0.057 J	0.5 U	0.5 U
Chloromethane	0.43 J	0.46 J	0.47 J	0.32 J	0.42 J	0.43 J
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.42 J	0.39 J	0.45 J	0.39 J	0.45 J	0.4 J
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m+p-xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.11 J	0.5 U	0.21 J	0.19 J	0.29 J	0.33 J
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,3-Dichloropropene	0.5 U	0.5 U	0.064 J	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.089 J	0.09 J	0.086 J	0.5 U	0.076 J	0.083 J
Vinyl chloride	0.14 J	0.5 U	0.5 U	0.13 J	0.5 U	0.5 U
Total Volatile TICs	NA	NA	52.1 JN	82.9 J	2.8 J	92.8 J

TABLE B-15
 Volatile Organic Compounds - Quality Assurance/Quality Control (2006)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample DI Water Blank
TtEC Sample I.D.	LVRD01-FB110106	LVRD01-TB110106	LVRD01-DIBLANK
Sampling Date Units	11/1/2006 ug/L	11/1/2006 ug/L	10/23/2006 ug/L
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U
1,4-Dioxane	20 R	20 R	20 R
2-Butanone	5 U	5 U	5 U
2-Hexanone	5 U	5 U	3.4 J
4-Methyl-2-pentanone	5 U	5 U	5 U
Acetone	15	0.72 J	5 U
Benzene	0.5 U	0.084 J	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U	0.5 U
Bromomethane	0.09 J	0.1 J	0.5 U
Carbon disulfide	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.12 J	0.5 U

TABLE B-15
 Volatile Organic Compounds - Quality Assurance/Quality Control (2006)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Field Blank	QA/QC Sample Trip Blank	QA/QC Sample DI Water Blank
TtEC Sample I.D.	LVRD01-FB110106	LVRD01-TB110106	LVRD01-DIBLANK
Sampling Date Units	11/1/2006 ug/L	11/1/2006 ug/L	10/23/2006 ug/L
Chloroform	0.5 U	0.061 J	0.5 U
Chloromethane	0.46 J	0.4 J	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.05 J	0.5 U
Dichlorodifluoromethane	0.32 J	0.35 J	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5 U	0.5 U	0.5 U
m+p-xylene	0.5 U	0.5 U	0.5 U
Methyl Acetate	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.064 J	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5 U	0.5 U	0.5 U
Toluene	0.3 J	0.35 J	0.12 J
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U
Trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.098 J	0.093 J	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U
Total Volatile TICs	2.9 J	37.4 JN	52.4 J

TABLE B-16
 Monitored Natural Attenuation Parameters - Quality Assurance/Quality Control (2002/2003)
 Little Valley Superfund Site
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Area Location	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank	QA/QC Sample Trip Blank
TtEC Sample I.D.	LVRD01-TB102406	LVRD01-TB102506	LVRD01-TB102606	LVRD01-TB103006	LVRD01-TB103106	LVRD01-TB110106
Sampling Date Units	10/24/2006 mg/L	10/25/2006 mg/L	10/26/2006 mg/L	10/30/2006 mg/L	10/31/2006 mg/L	11/1/2006 mg/L
Methane	0.0014 UJ	0.002 J	0.0017 J	0.0017 J	0.0016 J	0.0017 J
Ethane	0.0028 UJ	0.0030 UJ	0.0029 UJ	0.0028 UJ	0.0028 UJ	0.0031 UJ
Ethene	0.0021 UJ	0.0022 UJ	0.0022 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ

APPENDIX C
WELL PURGE DATA SHEETS

WELL PURGE DATA SHEET

PROJECT NAME: Little Valley
PROJECT No: _____
DATE: 10/31/2006

Well I.D.: CCA-2

Purge Method: Low-Flow
 Static Water Level (WL) = 21.45 ft
 Notes/Observations: _____

TiFW Samplers Present: Ryan Beachner

Total Volume Purged: **Design =** _____ **gallons**
 Actual = _____ **gallons**

Time	Depth to Water (ft TIC)	pH (SU)	Cond. (mS/cm)	Turb (NTU)	DO (mg/L)	ORP (mV)	Temp (°C)	Flow Rate (mL/min)	TDS (g/mL)	Comments
11:40	22.35	14.18	2.360	0.0	1.85	-67	10.51	400	1.50	
11:45	22.22	14.11	2.240	0.0	1.40	-56	10.8	200	1.40	
11:50	22.18	14.09	2.150	0.0	1.04	-51	11.24	200	1.40	
11:55	22.18	13.98	1.970	0.0	0.77	-42	12.06	250	1.30	
12:00	22.18	13.90	1.830	0.0	0.64	-34	12.63	225	1.20	
12:05	22.18	13.84	1.750	0.0	0.60	-29	12.8	250	1.10	
12:10	22.18	13.79	1.590	0.0	0.66	-24	12.91	250	1.00	
12:15	22.17	13.74	1.460	0.0	0.78	-20	12.82	225	0.90	
12:20	22.17	13.64	1.330	0.0	1.03	-16	12.69	225	0.80	
12:25	22.17	13.57	1.240	0.0	1.28	-13	12.61	225	0.80	
12:30	22.17	13.49	1.160	0.0	1.50	-10	12.49	250	0.70	
12:35	22.17	13.42	1.090	0.0	1.69	-7	12.43	250	0.70	
12:40	22.17	13.35	1.060	0.0	1.80	-5	12.35	250	0.60	
12:45	22.15	13.30	0.970	0.0	1.88	-2	12.34	200	0.60	
12:50	22.14	13.28	0.930	0.0	1.95	0	12.38	200	0.60	
12:55	22.14	13.16	0.572	0.0	2.07	-56	12.32	200	0.37	
13:00	22.46	13.12	0.551	15.0	3.49	-45	11.63	200	0.27	

WELL PURGE DATA SHEET

PROJECT NAME: Little Valley
PROJECT No: _____
DATE: 10/25/2006

Well I.D.: CCA-8

Purge Method: Low-Flow
 Static Water Level (WL) = 25.87 ft
 Notes/Observations: Sampling began at 10:45

TtFW Samplers Present: Ryan Beachner

Total Volume Purged: **Design =** _____ **gallons**
 Actual = _____ **gallons**

Time	Depth to Water (ft TIC)	pH (SU)	Cond. (mS/cm)	Turb (NTU)	DO (mg/L)	ORP (mV)	Temp (°C)	Flow Rate (mL/min)	TDS (g/mL)	Comments
9:20	25.87	5.27	0.244	11.7	9.32	230.0	9.03	210.00	0.17	
9:25	25.87	5.89	0.271	249.0	4.74	198.0	9.16	210.00	0.18	
9:30	25.87	6.38	0.275	150.0	4.04	174.0	9.35	210.00	0.18	
9:35	25.88	6.74	0.269	108.0	3.95	152.0	9.42	210.00	0.17	
9:40	25.87	7.06	0.258	61.2	3.96	133.0	9.54	210.00	0.17	
9:45	25.87	7.36	0.251	40.1	3.79	110.0	9.45	200.00	0.16	
9:50	25.87	7.60	0.248	30.5	3.71	95.0	9.52	200.00	0.16	
9:55	25.87	7.80	0.246	27.2	3.64	81.0	9.47	200.00	0.16	
10:00	25.87	7.96	0.246	22.3	3.51	69.0	9.47	225.00	0.16	
10:05	25.87	8.07	0.245	21.4	3.44	59.0	9.47	225.00	0.16	
10:10	25.87	8.18	0.245	19.4	3.37	51.0	9.54	225.00	0.16	
10:15	25.87	8.27	0.244	19.5	3.30	43.0	9.65	225.00	0.16	
10:20	25.87	8.33	0.244	13.2	3.24	37.0	9.64	225.00	0.16	
10:25	25.87	8.38	0.243	12.5	3.20	32.0	9.69	225.00	0.16	
10:30	25.87	8.43	0.243	8.6	3.15	29.0	9.65	250.00	0.16	
10:35	25.87	8.45	0.243	5.7	3.13	26.0	9.63	250.00	0.16	
10:40	25.87	8.48	0.243	4.2	3.11	23.0	9.70		0.16	
										Sampling Begins

WELL PURGE DATA SHEET

PROJECT NAME: Little Valley
PROJECT No:
DATE: 10/23/2006

Well I.D.: CCA-12

Purge Method: Low-Flow

Static Water Level (WL) = 28.08 ft

Notes/Observations:

TtFW Samplers Present: Loren Blasko

Total Volume Purged: Design = Actual = gallons

Table with 11 columns: Time, Depth to Water (ft TIC), pH (SU), Cond. (mS/cm), Turb (NTU), DO (mg/L), ORP (mV), Temp (°C), Flow Rate (mL/min), TDS (g/mL), Comments. Rows include data from 13:50 to 14:20, with a 'Sampling Begins' comment at 14:20.

WELL PURGE DATA SHEET

PROJECT NAME: Little Valley
PROJECT No: _____
DATE: 11/1/2006

Well I.D.: PZ-6D

Purge Method: Low-Flow
 Static Water Level (WL) = 25.48 ft
 Notes/Observations: _____

TtFW Samplers Present: Ryan Beachner

Total Volume Purged: **Design =** _____ **gallons**
 Actual = _____ **gallons**

Time	Depth to Water (ft TIC)	pH (SU)	Cond. (mS/cm)	Turb (NTU)	DO (mg/L)	ORP (mV)	Temp (°C)	Flow Rate (mL/min)	TDS (g/mL)	Comments
11:05	25.19	7.54	0.344	10.8	10.33	75.0	9.99		0.22	
11:10	25.46	7.81	0.337	40.9	9.60	86.0	10.19		0.25	
11:15	25.67	7.99	0.403	>1000	8.48	76.0	10.74	300.00	0.29	
11:20	25.53	8.72	0.501	>1000	4.90	49.0	10.59	300.00	0.32	
11:25	25.52	8.65	0.504	>1000	6.54	49.0	10.39	300.00	0.32	
11:30	25.53	8.62	0.500	>1000	6.94	42.0	10.41	300.00	0.32	
11:35	25.54	8.61	0.503	>1000	7.23	36.0	10.36	350.00	0.32	
11:40	25.53	8.60	0.506	>1000	7.40	33.0	10.43	350.00	0.32	
11:45	25.53	8.59	0.508	625.0	7.50	31.0	10.44	350.00	0.33	
11:50	25.53	8.60	0.509	382.0	7.53	30.0	10.55	350.00	0.33	
11:55	25.53	8.60	0.508	299.0	7.56	30.0	10.67	350.00	0.33	
12:00	25.53	8.61	0.508	248.0	7.58	30.0	10.62	350.00	0.33	
12:05	25.53	8.61	0.508	198.0	7.58	29.0	10.64	375.00	0.33	
12:10	25.53	8.62	0.509	198.0	7.57	29.0	10.56	300.00	0.33	
12:15	25.53	8.62	0.508	133.0	7.55	29.0	10.61	300.00	0.33	
12:20	25.53	8.62	0.509	118.0	7.61	29.0	10.63	300.00	0.33	
12:25	25.53	8.63	0.509	96.0	7.62	28.0	10.69	300.00	0.33	

WELL PURGE DATA SHEET

PROJECT NAME: Little Valley
PROJECT No: _____
DATE: 10/31/2006

Well I.D.: PZ-20D

Purge Method: Low-Flow
 Static Water Level (WL) = 26.00 ft
 Notes/Observations: _____

TtFW Samplers Present: Loren Blasko

Total Volume Purged: **Design =** _____ **gallons**
 Actual = _____ **gallons**

Time	Depth to Water (ft TIC)	pH (SU)	Cond. (mS/cm)	Turb (NTU)	DO (mg/L)	ORP (mV)	Temp (°C)	Flow Rate (mL/min)	TDS (g/mL)	Comments
12:00	26.15	5.11	0.36		9.80	201.0	10.98	300.00	0.24	
12:05	26.17	6.50	0.39		5.96	164.0	11.25	200.00	0.25	
12:10	26.18	6.67	0.39		6.52	155.0	11.17	200.00	0.26	
12:15	26.15	6.86	0.39		6.34	143.0	11.68	200.00	0.25	
12:20	26.15	6.96	0.40		6.29	139.0	11.63	200.00	0.26	
12:25	26.15	6.99	0.40		6.60	139.0	11.54	250.00	0.26	
12:30	26.15	7.09	0.40		9.00	136.0	11.52	250.00	0.26	
12:35	26.15	7.26	0.40		6.65	127.0	11.57	300.00	0.26	
12:38										Generator Shut Down
12:44	26.16	7.38	0.40		9.54	125.0	11.4	300.00	0.26	Switched Generator
12:49	26.15	7.51	0.40		9.64	123.0	11.39	350.00	0.26	
12:54	26.16	7.65	0.40	289.0	7.66	121.0	11.45	400.00	0.26	
12:59	26.16	7.70	0.40	115.0	7.53	118.0	11.32	400.00	0.26	
13:04	26.16	7.71	0.40	180.0	7.41	117.0	11.27	400.00	0.26	
13:09	26.16	7.76	0.40	161.0	7.22	112.0	11.69	300.00	0.26	
13:14	26.16	7.79	0.40	308.0	7.13	108.0	11.67	300.00	0.26	
13:19	26.16	7.81	0.40	167.0	7.18	105.0	11.95	300.00	0.26	

WELL PURGE DATA SHEET

PROJECT NAME: Little Valley
PROJECT No: _____
DATE: 11/1/2006

Well I.D.: PZ-45D

Purge Method: Low-Flow
 Static Water Level (WL) = 9.22 ft
 Notes/Observations: _____

TtFW Samplers Present: Loren Blasko

Total Volume Purged: **Design =** _____ **gallons**
 Actual = _____ **gallons**

Time	Depth to Water (ft TIC)	pH (SU)	Cond. (mS/cm)	Turb (NTU)	DO (mg/L)	ORP (mV)	Temp (°C)	Flow Rate (mL/min)	TDS (g/mL)	Comments
8:54	8.95	4.95	0.19	369.0	11.68	241.0	10.44	200	0.13	
8:53	9.22	6.03	0.31	243.0	5.12	192.0	8.58	200	0.20	
9:04	9.95	6.38	0.29	180.0	2.74	173.0	9.90	200	0.19	
9:09	11.55	6.81	0.28	143.0	3.24	152.0	10.63	200	0.18	
9:14	12.32	7.05	0.28	116.0	3.22	140.0	10.14	200	0.18	
9:19	12.76	7.19	0.28	101.0	3.15	133.0	9.67	200	0.18	
9:24	13.67	7.32	0.27	83.3	3.34	123.0	10.44	200	0.18	
9:29	14.70	7.52	0.27	99.7	3.71	110.0	10.81	200	0.17	
9:34	15.33	7.66	0.27	90.5	4.03	101.0	10.25	200	0.17	
9:39	16.12	7.75	0.26	94.4	4.33	93.0	10.51	200	0.17	
9:44	17.22	7.84	0.25	82.5	4.95	85.0	10.90	200	0.16	
9:49	18.00	7.84	0.25	81.6	5.21	84.0	10.66	200	0.16	
9:54	18.57	7.84	0.24	74.4	5.33	83.0	10.76	200	0.16	
9:59	19.26	7.84	0.24	89.0	5.48	83.0	10.47	200	0.16	
10:04	19.71	7.81	0.24	107.0	5.63	83.0	10.33	200	0.15	
10:09	20.18	7.89	0.23	126.0	5.84	79.0	10.80	200	0.15	
10:14	20.77	7.93	0.24		5.85	74.0	10.94	200	0.15	

WELL PURGE DATA SHEET

PROJECT NAME: Little Valley
PROJECT No: _____
DATE: 11/1/2006

Well I.D.: PZ-45D

Purge Method: Low-Flow
 Static Water Level (WL) = 9.22 ft
 Notes/Observations: _____

TtFW Samplers Present: Loren Blasko

Total Volume Purged: **Design =** _____ **gallons**
 Actual = _____ **gallons**

Time	Depth to Water (ft TIC)	pH (SU)	Cond. (mS/cm)	Turb (NTU)	DO (mg/L)	ORP (mV)	Temp (°C)	Flow Rate (mL/min)	TDS (g/mL)	Comments
10:19	21.39	8.36	0.24		4.31	40.0	10.97	200	0.16	
10:24	23.08	8.62	0.25		4.44	24.0	11.71	200	0.16	
10:29	23.67	8.57	0.24		5.42	32.0	11.30	200	0.15	
10:34	26.50	8.35	0.23		5.75	42.0	11.37	200	0.15	
10:39	25.60	8.26	0.24		5.44	48.0	11.62	200	0.16	
10:44	26.06	8.22	0.25		5.51	51.0	11.13	200	0.16	
10:49	26.73	8.16	0.24		5.80	55.0	11.22	200	0.16	
10:54	27.53	8.08	0.24		5.60	59.0	11.55	200	0.16	
10:59	28.27	8.06	0.25		5.53	62.0	11.10	200	0.16	
11:04	28.92	8.02	0.25		5.71	64.0	11.27	200	0.16	
11:09	29.36	8.00	0.25		5.46	65.0	11.49	200	0.16	
11:14	29.99	7.98	0.26		5.60	66.0	11.77	200	0.16	
11:19	30.55	8.01	0.26		5.27	64.0	11.73	200	0.17	
11:24	31.16	8.04	0.26		5.15	63.0	11.82	200	0.17	
11:29	31.97	8.00	0.26		5.67	65.0	12.21	200	0.17	
11:34	32.98	7.99	0.26		5.39	65.0	12.43	200	0.17	
11:39	33.69	7.96	0.26		5.50	67.0	12.59	200	0.17	

WELL PURGE DATA SHEET

PROJECT NAME: Little Valley
PROJECT No: _____
DATE: 10/26/2006

Well I.D.: PZ-55D

Purge Method: Low-Flow
 Static Water Level (WL) = 17.7 ft
 Notes/Observations: _____

TtFW Samplers Present: Ryan Beachner

Total Volume Purged: **Design =** _____ **gallons**
 Actual = _____ **gallons**

Time	Depth to Water (ft TIC)	pH (SU)	Cond. (mS/cm)	Turb (NTU)	DO (mg/L)	ORP (mV)	Temp (°C)	Flow Rate (mL/min)	TDS (g/mL)	Comments
9:00	17.79	6.12	0.360	>1000	9.22	168.0	9.66		0.23	
9:05	17.76	6.31	0.340	>1000	8.09	162.0	10.37	200.00	0.22	
9:10	17.78	7.29	0.262	>1000	4.54	111.0	10.69	300.00	0.17	
9:15	17.78	7.54	0.265	>1000	4.73	99.0	10.69	350.00	0.17	
9:20	17.78	7.75	0.268	>1000	5.10	81.0	10.7	500.00	0.17	
9:25	17.75	7.84	0.266	>1000	5.48	85.0	10.67	350.00	0.17	
9:30	17.75	7.70	0.263	>1000	5.62	94.0	10.54	300.00	0.17	
9:35	17.75	7.60	0.336	>1000	8.13	101.0	10.44	300.00	0.22	
9:40	17.75	7.64	0.346	>1000	5.76	100.0	10.69	300.00	0.23	
9:45	17.75	7.72	0.347	>1000	5.74	99.0	10.58	300.00	0.23	
9:50	17.75	7.70	0.348	>1000	5.77	101.0	10.81	300.00	0.23	
9:55	17.74	7.68	0.348	>1000	5.78	102.0	10.82	300.00	0.23	
10:00	17.74	7.69	0.348	>1000	5.80	103.0	10.88	300.00	0.23	
10:05	17.74	7.69	0.348	>1000	5.80	104.0	10.83	300.00	0.23	
10:10	17.75	7.71	0.348	>1000	5.82	104.0	10.88	300.00	0.23	
10:15	17.74	7.72	0.347	>1000	5.79	104.0	10.92	300.00	0.23	
10:20	17.74	7.73	0.347	>1000	5.81	104.0	10.95	300.00	0.23	

WELL PURGE DATA SHEET

PROJECT NAME: Little Valley
PROJECT No: _____
DATE: 10/26/2006

Well I.D.: PZ-55D

Purge Method: Low-Flow
 Static Water Level (WL) = 17.7 ft
 Notes/Observations: _____

TtFW Samplers Present: Ryan Beachner

Total Volume Purged: **Design =** _____ **gallons**
 Actual = _____ **gallons**

Time	Depth to Water (ft TIC)	pH (SU)	Cond. (mS/cm)	Turb (NTU)	DO (mg/L)	ORP (mV)	Temp (°C)	Flow Rate (mL/min)	TDS (g/mL)	Comments
10:25	17.74	7.78	0.347	>1000	5.81	101	10.91	300	0.23	
10:30	17.74	7.88	0.347	>1000	5.83	93	10.94	300	0.23	
10:35	17.74	7.95	0.347	>1000	5.89	87	10.95	350	0.23	
10:40	17.73	8.00	0.347	>1000	5.89	83	10.87	400	0.23	
10:45	17.73	7.89	0.341	>1000	7.20	90	10.78	300	0.22	
10:50	17.73	8.03	0.345	>1000	5.85	80	11.15	300	0.23	
10:55	17.73	8.08	0.348	>1000	5.85	76	11.06	300	0.23	
11:00	17.73	8.10	0.349	>1000	5.83	74	11.03	300	0.23	
11:05	17.73	8.11	0.348	>1000	5.86	73	10.93	300	0.23	
11:10	17.73	8.12	0.349	988.0	5.86	72	10.92	300	0.23	
11:15	17.73	8.13	0.349	880.0	5.89	71	11.03	300	0.23	
11:20	17.73	8.13	0.349	913.0	5.90	71	10.96	300	0.23	
11:25	17.73	8.13	0.349	842.0	5.95	70	11.20	300	0.23	
11:30	17.73	8.12	0.350	803.0	5.90	70	10.91	300	0.23	
11:35	17.73	8.11	0.349	787.0	5.92	71	10.94	300	0.23	
11:40	17.73	8.12	0.349	734.0	5.90	71	10.82	300	0.23	
11:45	17.73	8.08	0.338	870.0	5.94	73	10.75	300	0.22	

Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, **provide at least four rounds** and **not more than ten rounds of data** that is **not seasonally affected**. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "**DATA ERR**" or "**DATE ERR**" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation from the governing regulatory agencies for the site and applicable guidance for recommendations on data entry for non-detect values (**See protocol at bottom of worksheet**).

Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

To avoid biasing the Mann-Kendall test, **the same value for all ND results must be entered** in the spreadsheet for a given compound. This is to make sure that any identified trends are data trends and not trends of laboratory detection limits. **SEE PROTOCOL AT BOTTOM OF WORKSHEET !**

Site Name = **Little Valley Superfund Site - Bush Industries Area** Site ID No. = **1945.2159** Well Number = **MW-2**

Event Number	Compound -> Sampling Date (most recent last)	TCE	1,2-DCE (total)	Vinyl Chloride			
		Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	05/05/1999	210	52.5	3			
2	12/14/1999	85.5	41	1			
3	01/10/2001	110	44	5			
4	12/11/2003	36	40.28	4.8			
5	10/31/2006	58	46	4.4			
6							
7							
8							
9							
10							

Mann Kendall Statistic (S) =	-6	-2	2	0	0	0
Number of Rounds (n) =	5	5	5	0	0	0
Average =	99.90	44.76	3.64	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	67.584	4.905	1.670	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.677	0.110	0.459	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **No Trend** **No Trend** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **No Trend** **No Trend** **No Trend** **N<4** **N<4** **N<4**

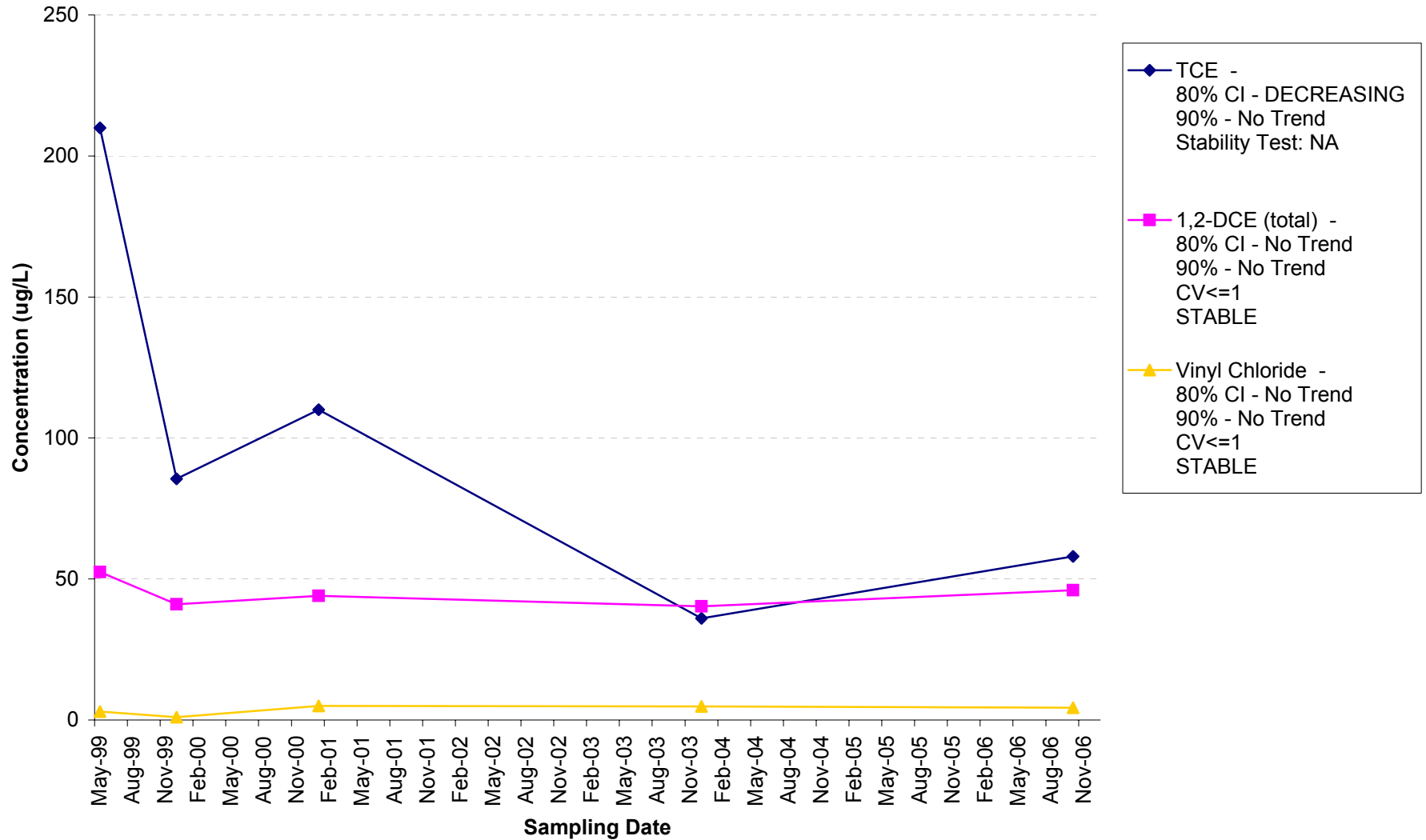
Stability Test, If No Trend Exists at 80% Confidence Level **NA** **CV<=1 STABLE** **CV<=1 STABLE** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/13/2007** Checked By = **LB**



Trend Test - BIA MW2 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

To avoid biasing the Mann-Kendall test, **the same value for all ND results must be entered** in the spreadsheet for a given compound. This is to make sure that any identified trends are data trends and not trends of laboratory detection limits. **SEE PROTOCOL AT BOTTOM OF WORKSHEET !**

Site Name = **Little Valley Superfund Site - Bush Industries Area** Site ID No. = **1945.2159** Well Number = **MW-3**

Event Number	Compound -> Sampling Date (most recent last)	TCE	1,2-DCE (total)	Vinyl Chloride			
		Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	05/05/1999	5	2	0.25			
2	01/09/2001	8	3	0.25			
3	12/10/2003	6.3	2.2	0.25			
4	10/30/2006	2.2	0.36	0.25			
5							
6							
7							
8							
9							
10							

Mann Kendall Statistic (S) =	-2	-2	0	0	0	0
Number of Rounds (n) =	4	4	4	0	0	0
Average =	5.38	1.89	0.25	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	2.447	1.108	0.000	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.455	0.586	0.000	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **No Trend** **No Trend** **No Trend** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **No Trend** **No Trend** **No Trend** **N<4** **N<4** **N<4**

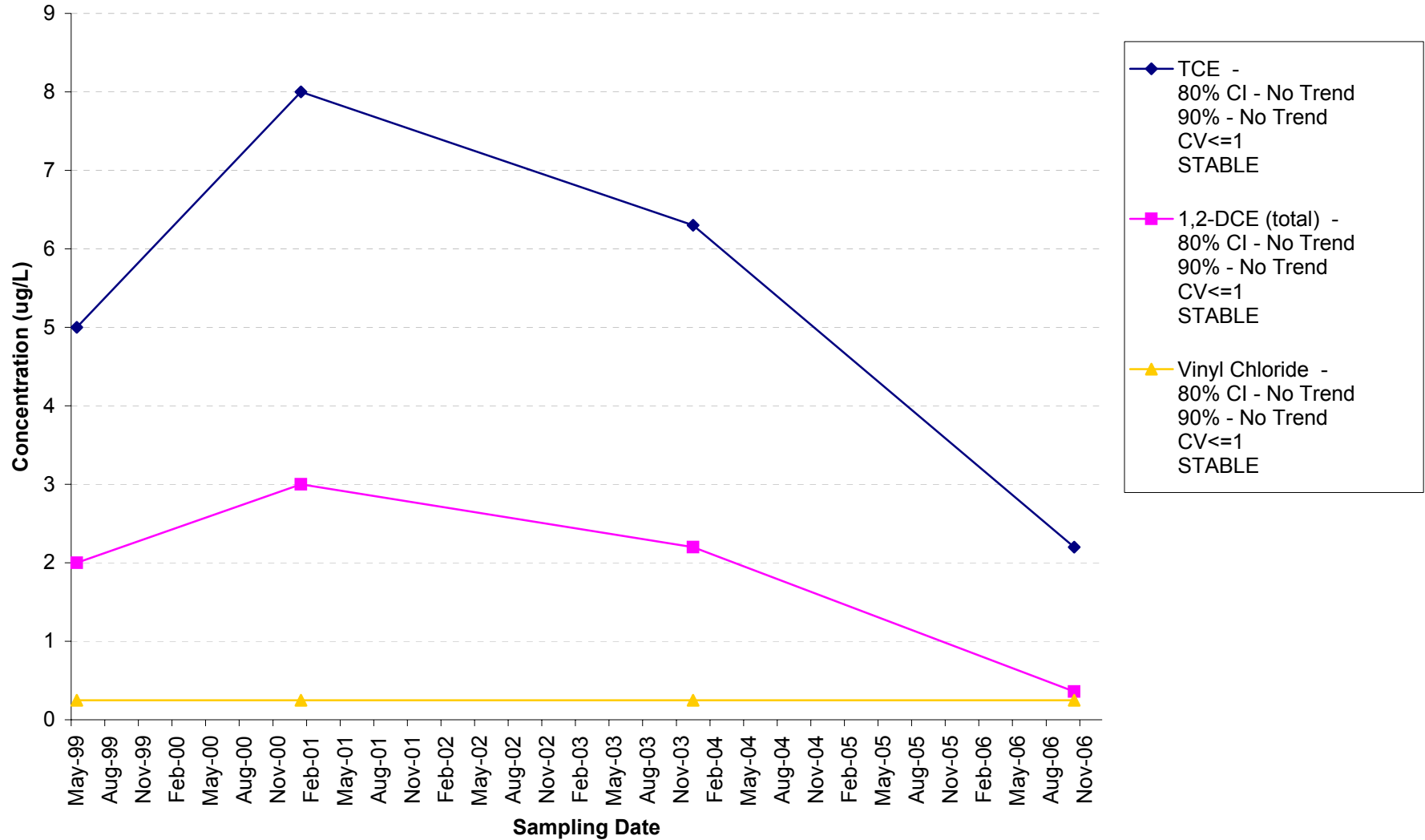
Stability Test, If No Trend Exists at 80% Confidence Level **CV<=1 STABLE** **CV<=1 STABLE** **CV<=1 STABLE** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/13/2007** Checked By = **LB**



Trend Test - BIA MW3 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

To avoid biasing the Mann-Kendall test, **the same value for all ND results must be entered** in the spreadsheet for a given compound. This is to make sure that any identified trends are data trends and not trends of laboratory detection limits. **SEE PROTOCOL AT BOTTOM OF WORKSHEET !**

Site Name = **Little Valley Superfund Site - Bush Industries Area** Site ID No. = **1945.2159** Well Number = **MW-5**

Event Number	Compound -> Sampling Date (most recent last)	TCE	1,2-DCE (total)	Vinyl Chloride			
		Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	05/05/1999	0.25	0.25	0.25			
2	12/13/1999	0.25	0.25	0.25			
3	01/04/2001	0.25	0.25	0.25			
4	10/30/2006	0.25	0.25	0.25			
5							
6							
7							
8							
9							
10							

Mann Kendall Statistic (S) =	0	0	0	0	0	0
Number of Rounds (n) =	4	4	4	0	0	0
Average =	0.25	0.25	0.25	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	0.000	0.000	0.000	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.000	0.000	0.000	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **No Trend** **No Trend** **No Trend** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **No Trend** **No Trend** **No Trend** **N<4** **N<4** **N<4**

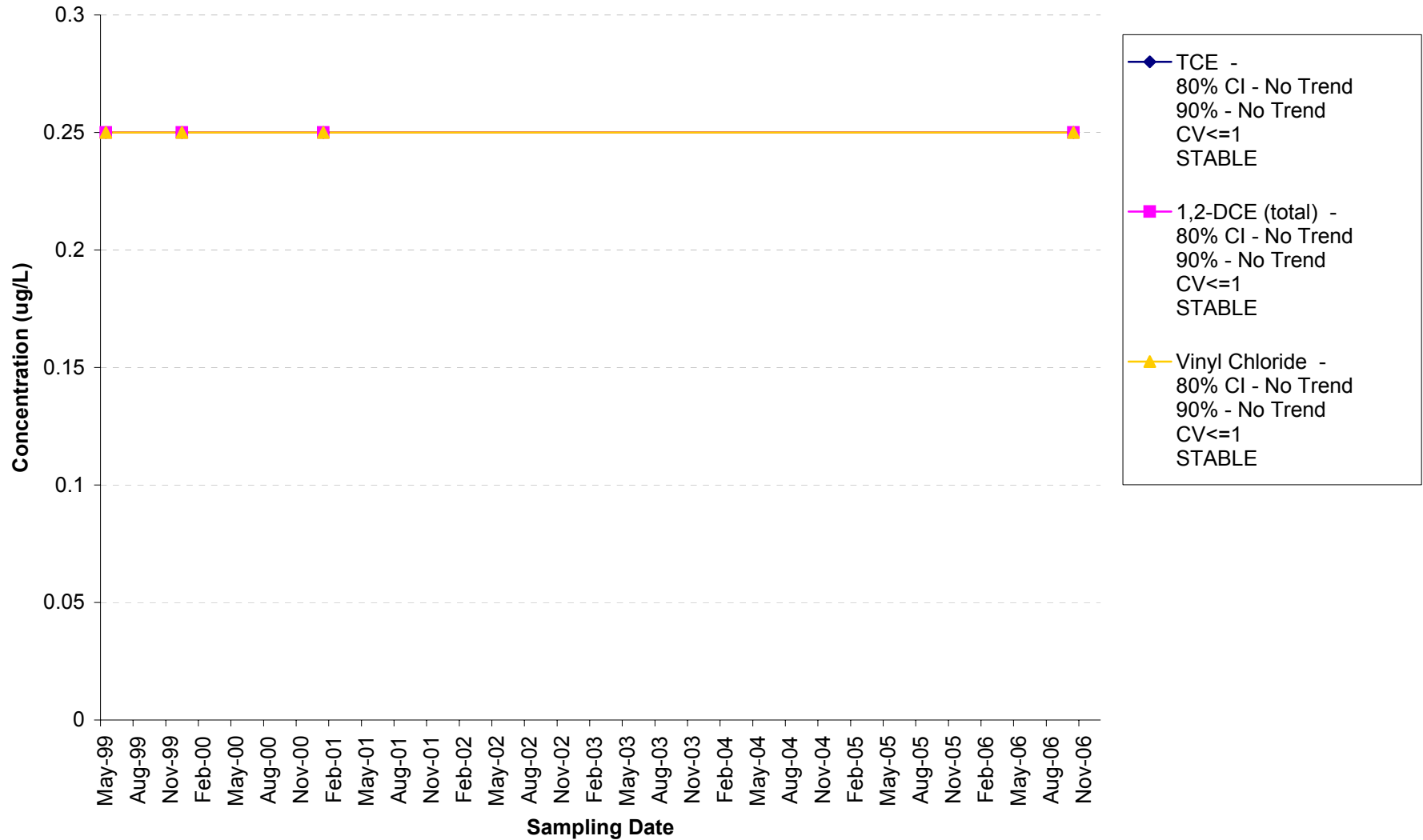
Stability Test, If No Trend Exists at 80% Confidence Level **CV<=1 STABLE** **CV<=1 STABLE** **CV<=1 STABLE** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/13/2007** Checked By = **LB**



Trend Test - BIA MW5 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

To avoid biasing the Mann-Kendall test, **the same value for all ND results must be entered** in the spreadsheet for a given compound. This is to make sure that any identified trends are data trends and not trends of laboratory detection limits. **SEE PROTOCOL AT BOTTOM OF WORKSHEET !**

Site Name = **Little Valley Superfund Site - Bush Industries Area** Site ID No. = **1945.2159** Well Number = **MW-D1**

Event Number	Compound -> Sampling Date (most recent last)	TCE	1,2-DCE (total)	Vinyl Chloride			
		Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	05/05/1999	11	6	0.25			
2	12/13/1999	9	4	0.25			
3	01/10/2001	18	8	0.25			
4	12/10/2003	12	4.8	0.25			
5	10/31/2006	1.8	0.97	0.16			
6							
7							
8							
9							
10							

Mann Kendall Statistic (S) =	-2	-4	-4	0	0	0
Number of Rounds (n) =	5	5	5	0	0	0
Average =	10.36	4.75	0.23	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	5.844	2.597	0.040	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.564	0.546	0.173	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **No Trend** **No Trend** **No Trend** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **No Trend** **No Trend** **No Trend** **N<4** **N<4** **N<4**

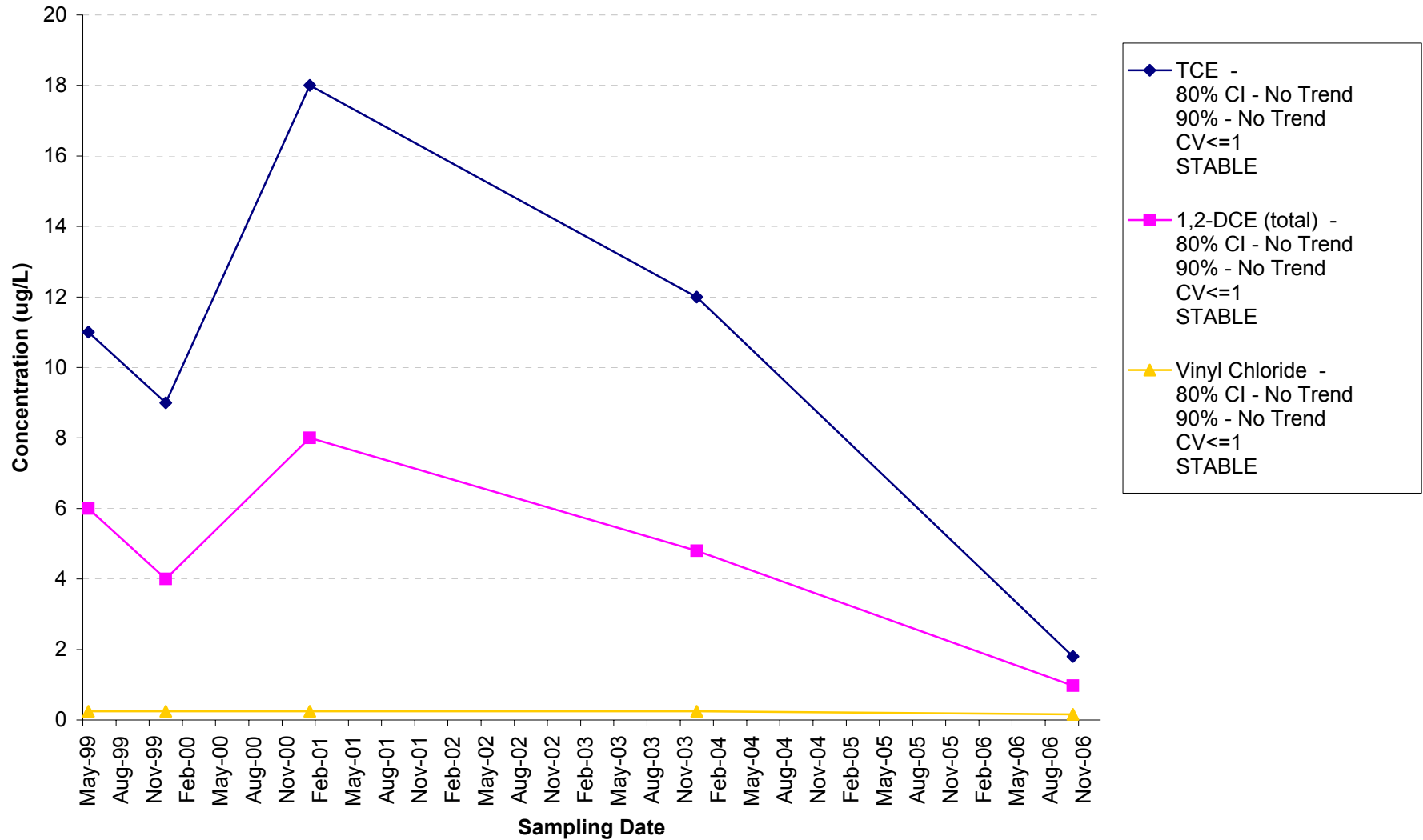
Stability Test, If No Trend Exists at 80% Confidence Level **CV<=1 STABLE** **CV<=1 STABLE** **CV<=1 STABLE** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/13/2007** Checked By = **LB**



Trend Test - BIA MWD1 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

To avoid biasing the Mann-Kendall test, **the same value for all ND results must be entered** in the spreadsheet for a given compound. This is to make sure that any identified trends are data trends and not trends of laboratory detection limits. **SEE PROTOCOL AT BOTTOM OF WORKSHEET !**

Site Name = **Little Valley Superfund Site - Bush Industries Area** Site ID No. = **1945.2159** Well Number = **MW-D2**

Event Number	Compound -> Sampling Date (most recent last)	TCE	1,2-DCE (total)	Vinyl Chloride			
		Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	05/05/1999	160	58	0.25			
2	12/14/1999	58	16	0.25			
3	01/10/2001	125	32.5	0.25			
4	12/11/2003	78	18	0.25			
5	10/30/2006	93	26.71	0.25			
6							
7							
8							
9							
10							

Mann Kendall Statistic (S) =	-2	-2	0	0	0	0
Number of Rounds (n) =	5	5	5	0	0	0
Average =	102.80	30.24	0.25	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	40.258	16.888	0.000	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.392	0.558	0.000	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **No Trend** **No Trend** **No Trend** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **No Trend** **No Trend** **No Trend** **N<4** **N<4** **N<4**

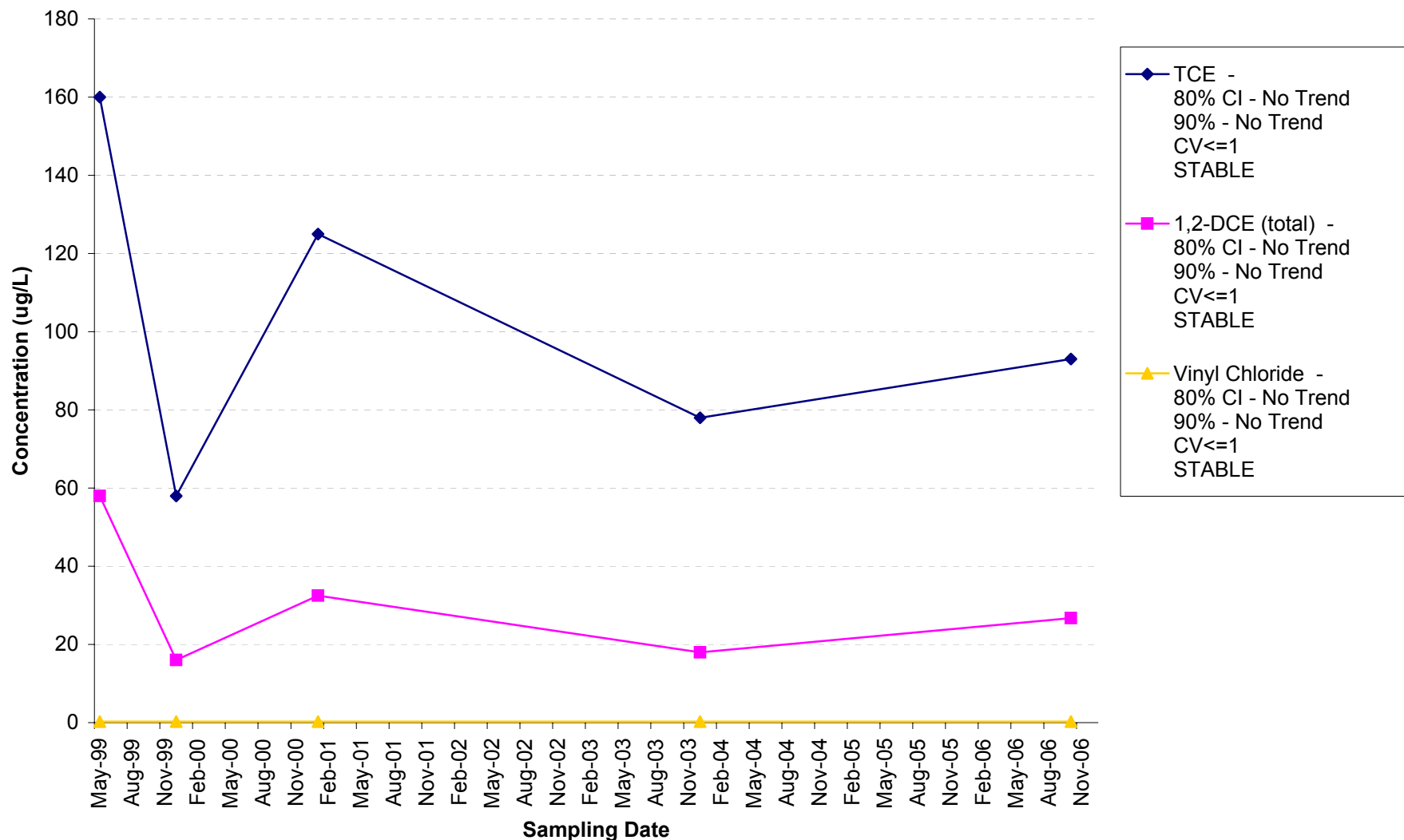
Stability Test, If No Trend Exists at 80% Confidence Level **CV<=1 STABLE** **CV<=1 STABLE** **CV<=1 STABLE** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/13/2007** Checked By = **LB**



Trend Test - BIA MWD2 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

To avoid biasing the Mann-Kendall test, **the same value for all ND results must be entered** in the spreadsheet for a given compound. This is to make sure that any identified trends are data trends and not trends of laboratory detection limits. **SEE PROTOCOL AT BOTTOM OF WORKSHEET !**

Site Name = **Little Valley Superfund Site - Cattaraugus Cutlery Area** Site ID No. = **1945.2159** Well Number = **MWCCA-2**

Event Number	Compound ->	TCE	1,2-DCE (total)	Vinyl Chloride			
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	07/27/1998	12	0.25	0.25			
2	07/30/1998	12	0.25	0.25			
3	10/13/1999	8	0.25	0.25			
4	10/27/1999	3	0.25	0.25			
5	12/03/2003	9.8	0.25	0.25			
6	10/31/2006	9.6	0.058	0.14			
7							
8							
9							
10							

Mann Kendall Statistic (S) =	-6	-5	-5	0	0	0
Number of Rounds (n) =	6	6	6	0	0	0
Average =	9.07	0.22	0.23	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	3.346	0.078	0.045	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.369	0.360	0.194	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **No Trend** **No Trend** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **No Trend** **No Trend** **No Trend** **N<4** **N<4** **N<4**

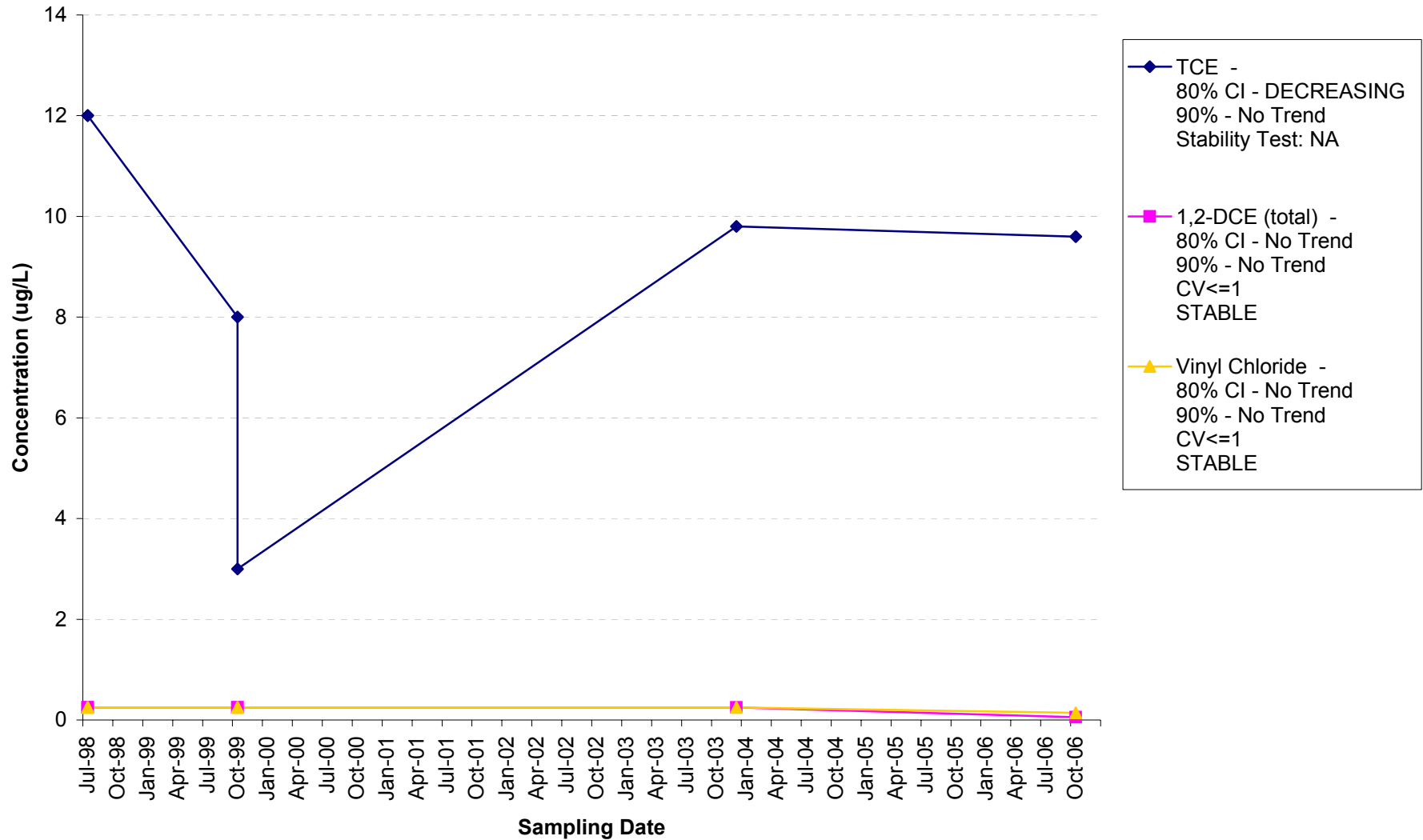
Stability Test, If No Trend Exists at 80% Confidence Level **NA** **CV<=1 STABLE** **CV<=1 STABLE** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/13/2007** Checked By = **LB**



Trend Test - CCA MW2 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

To avoid biasing the Mann-Kendall test, **the same value for all ND results must be entered** in the spreadsheet for a given compound. This is to make sure that any identified trends are data trends and not trends of laboratory detection limits. **SEE PROTOCOL AT BOTTOM OF WORKSHEET !**

Site Name =	Little Valley Superfund Site - Cattaraugus Cutlery Area	Site ID No. =	1945.2159	Well Number =	MWCCA-3
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Event Number	Compound ->	TCE	1,2-DCE (total)	Vinyl Chloride			
	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	07/16/1998	71	2	0.25			
2	07/30/1998	67	3	0.25			
3	12/02/2003	58	3.7	0.25			
4	10/25/2006	19	0.36	0.25			
5							
6							
7							
8							
9							
10							

Mann Kendall Statistic (S) =	-6	0	0	0	0	0
Number of Rounds (n) =	4	4	4	0	0	0
Average =	53.75	2.27	0.25	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	23.796	1.449	0.000	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.443	0.640	0.000	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected	N<4	N<4	N<4
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Trend = 80% Confidence Level	DECREASING	No Trend	No Trend	N<4	N<4	N<4
Trend = 90% Confidence Level	DECREASING	No Trend	No Trend	N<4	N<4	N<4

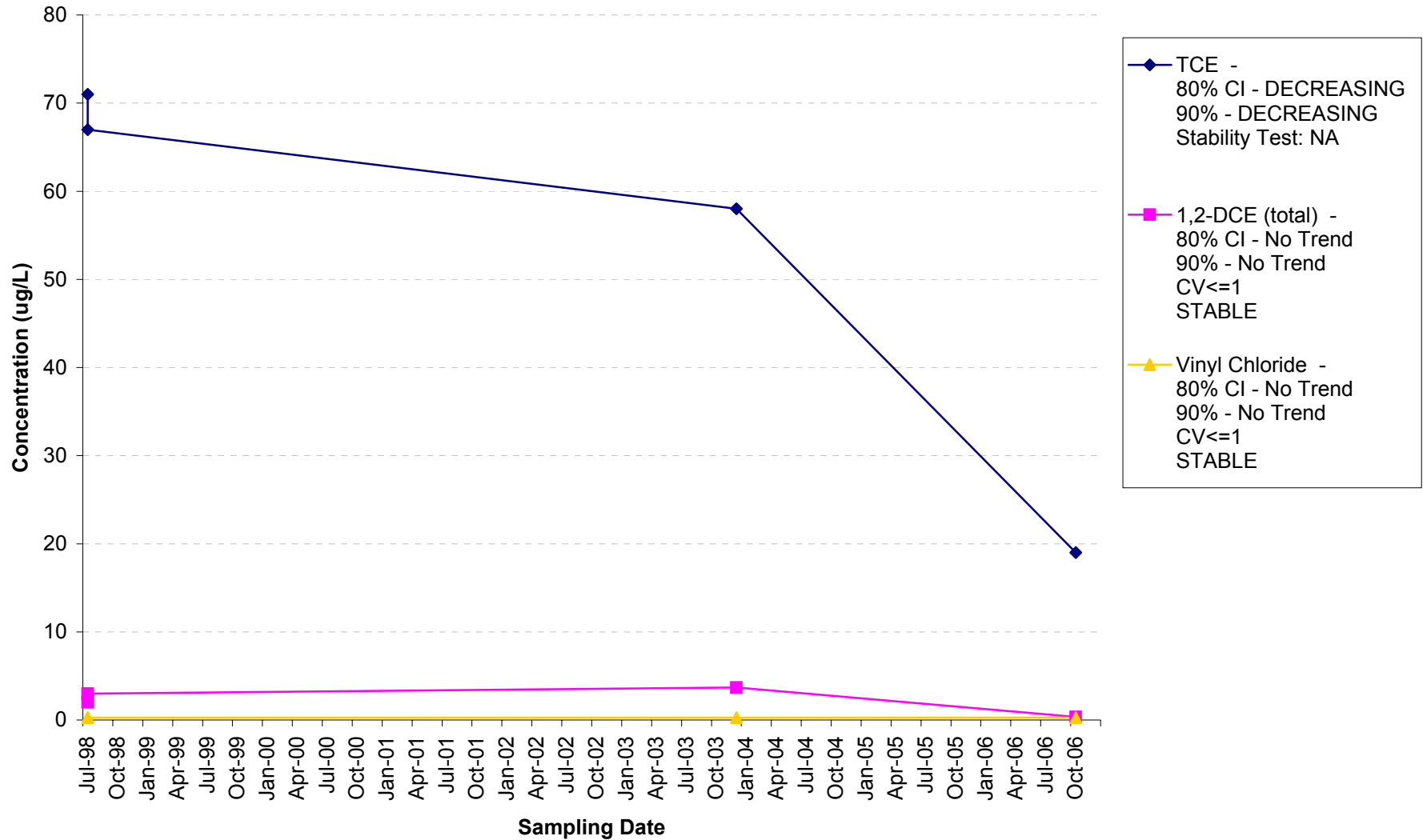
Stability Test, If No Trend Exists at 80% Confidence Level	NA	CV<=1 STABLE	CV<=1 STABLE	n<4 n<4	n<4 n<4	n<4 n<4
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Data Entry By =	L. Arabia	Date =	02/13/2007	Checked By =	LB
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Trend Test - CCA MW3 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

To avoid biasing the Mann-Kendall test, **the same value for all ND results must be entered** in the spreadsheet for a given compound. This is to make sure that any identified trends are data trends and not trends of laboratory detection limits. **SEE PROTOCOL AT BOTTOM OF WORKSHEET !**

Site Name =	Little Valley Superfund Site - Cattaraugus Cutlery Area	Site ID No. =	1945.2159	Well Number =	MWCCA-6
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Event Number	Compound ->	TCE	1,2-DCE (total)	Vinyl Chloride			
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	10/13/1999	31	0.5	0.25			
2	10/26/1999	62	2	0.25			
3	12/01/2003	0.21	0.25	0.25			
4	10/24/2006	0.36	0.18	0.25			
5							
6							
7							
8							
9							
10							

Mann Kendall Statistic (S) =	-2	-4	0	0	0	0
Number of Rounds (n) =	4	4	4	0	0	0
Average =	23.39	0.73	0.25	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	29.532	0.856	0.000	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.262	1.169	0.000	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected	N<4	N<4	N<4
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Trend = 80% Confidence Level	No Trend	DECREASING	No Trend	N<4	N<4	N<4
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Trend = 90% Confidence Level	No Trend	No Trend	No Trend	N<4	N<4	N<4
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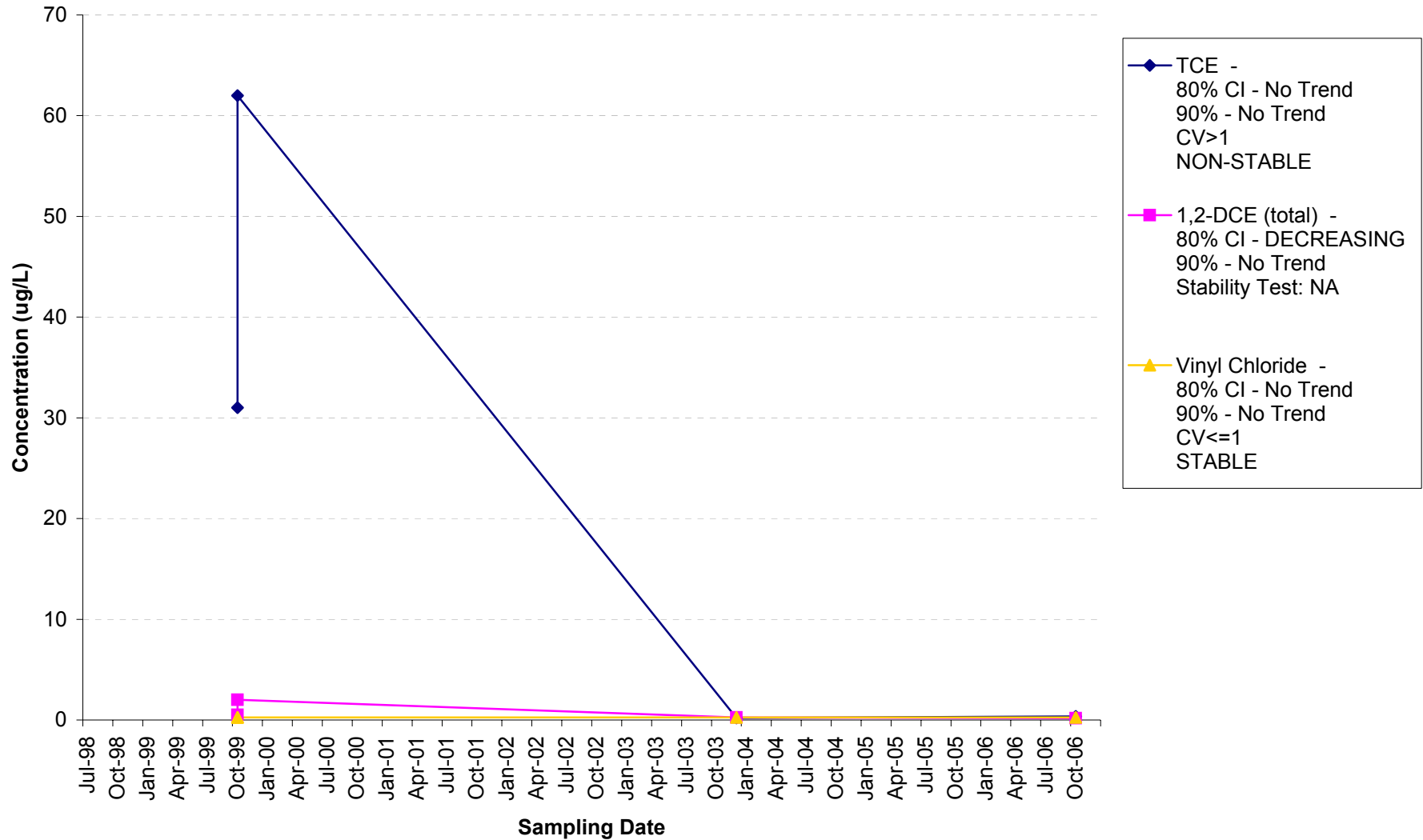
Stability Test, If No Trend Exists at 80% Confidence Level	CV>1 NON-STABLE	NA	CV<=1 STABLE	n<4 n<4	n<4 n<4	n<4 n<4
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Data Entry By =	L. Arabia	Date =	02/13/2007	Checked By =	LB
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Trend Test - CCA MW6 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 13**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	8.08					
2	11/1997	4.4					
3	10/1998	7.1					
4	03/2001	5.8					
5	10/2002	6					
6	10/2003	5					
7	10/2004	4					
8	10/2005	5					
9	10/2006	4					
10							

Mann Kendall Statistic (S) =	-20	0	0	0	0	0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	5.49	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1.404	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.256	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

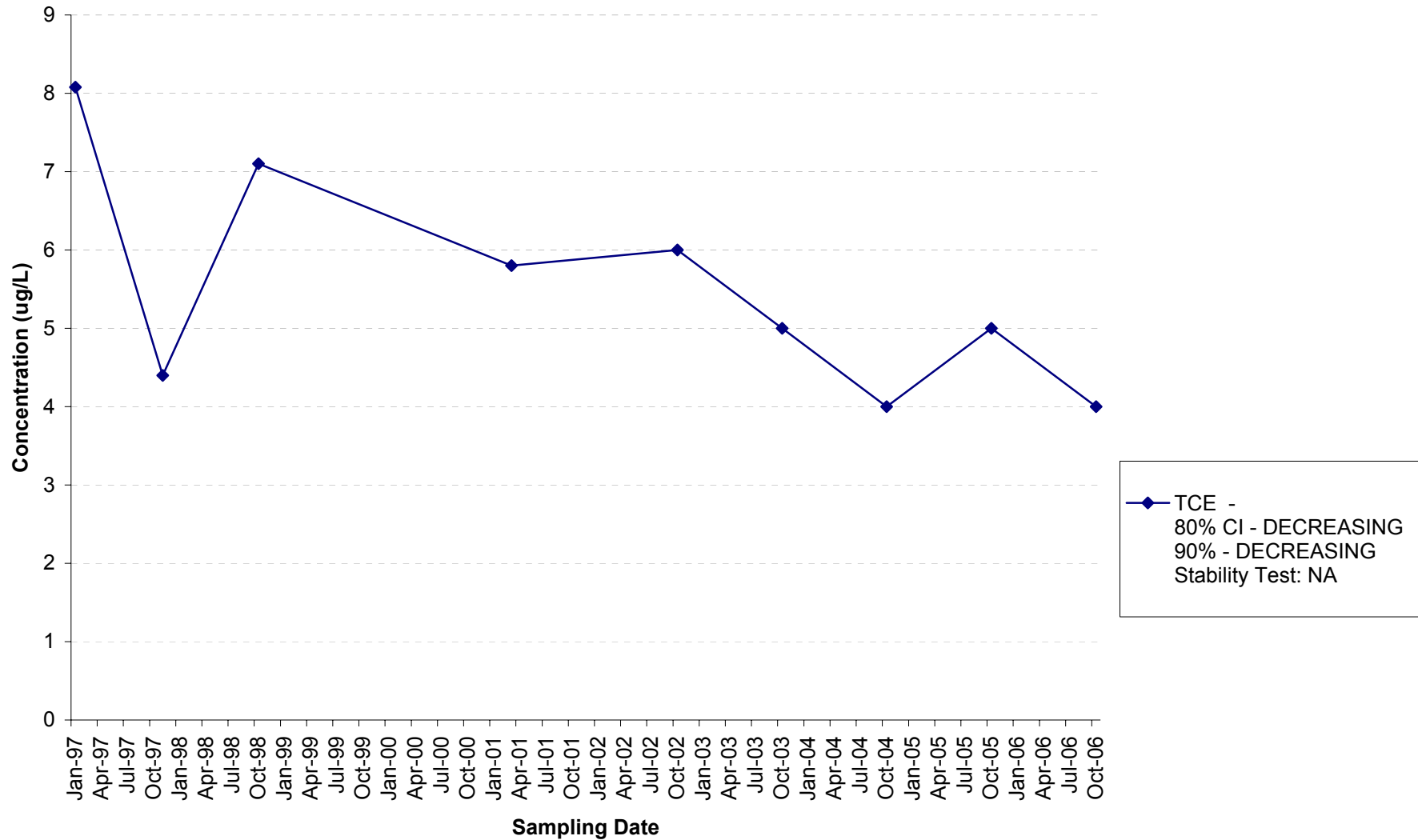
Stability Test, If No Trend Exists at 80% Confidence Level **NA** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/07/2007** Checked By = **LB**



Trend Test - Res ID 13 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

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Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 21**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	22.9					
2	10/1998	29					
3	03/2001	18.5					
4	10/2002	21					
5	10/2003	24					
6	10/2004	20					
7	10/2005	22					
8	10/2006	22					
9							
10							

Mann Kendall Statistic (S) =	-3	0	0	0	0	0	0
Number of Rounds (n) =	8	0	0	0	0	0	0
Average =	22.43	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	3.154	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.141	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **No Trend** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **No Trend** **N<4** **N<4** **N<4** **N<4** **N<4**

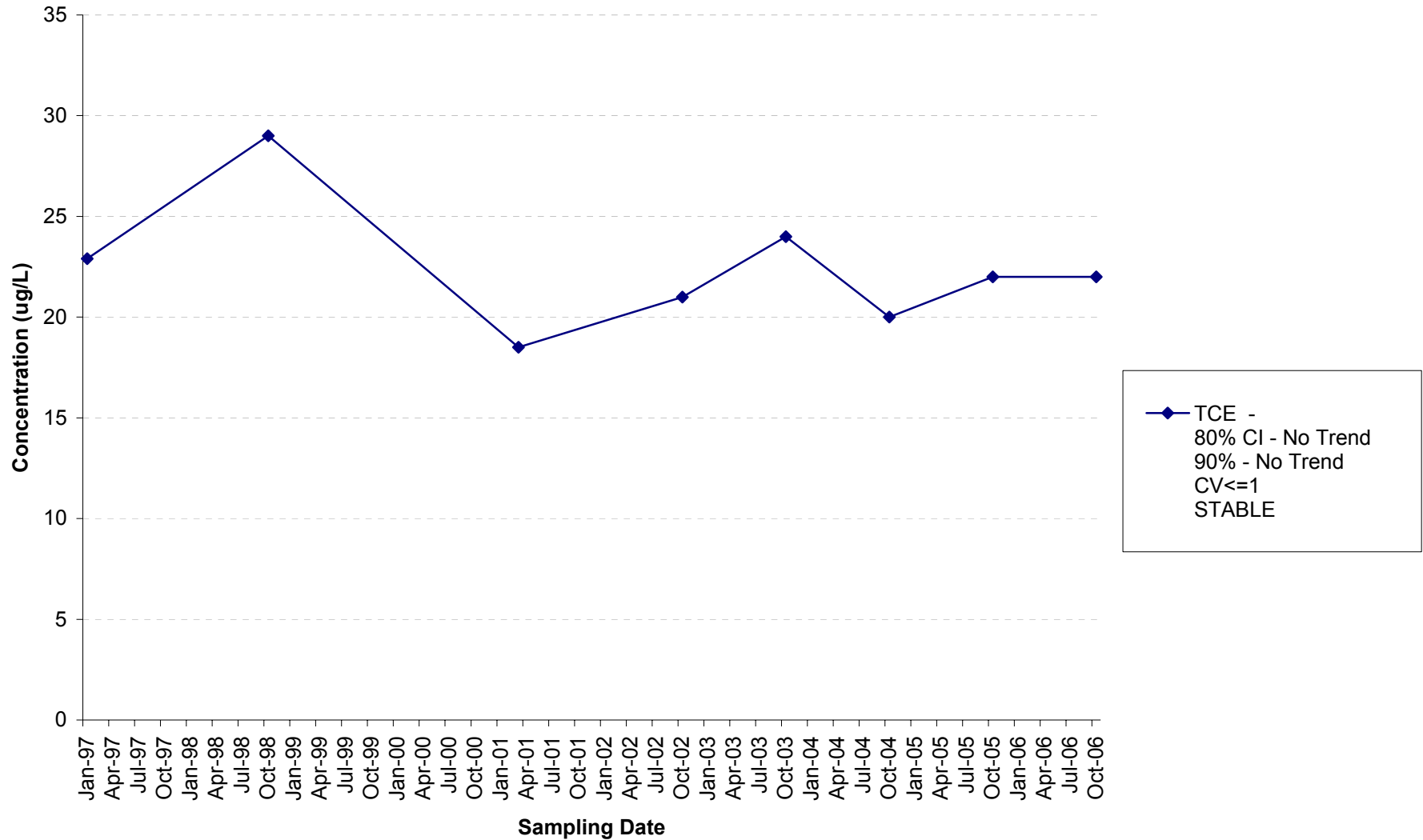
Stability Test, If No Trend Exists at 80% Confidence Level **CV<=1 STABLE** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/07/2007** Checked By = **LB**



Trend Test - Res ID 21 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 40**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	10.7					
2	11/1997	10.5					
3	10/1998	11					
4	03/2001	8.4					
5	10/2002	7					
6	10/2004	6					
7	10/2005	8					
8	10/2006	7					
9							
10							

Mann Kendall Statistic (S) =	-17	0	0	0	0	0
Number of Rounds (n) =	8	0	0	0	0	0
Average =	8.58	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1.929	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.225	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

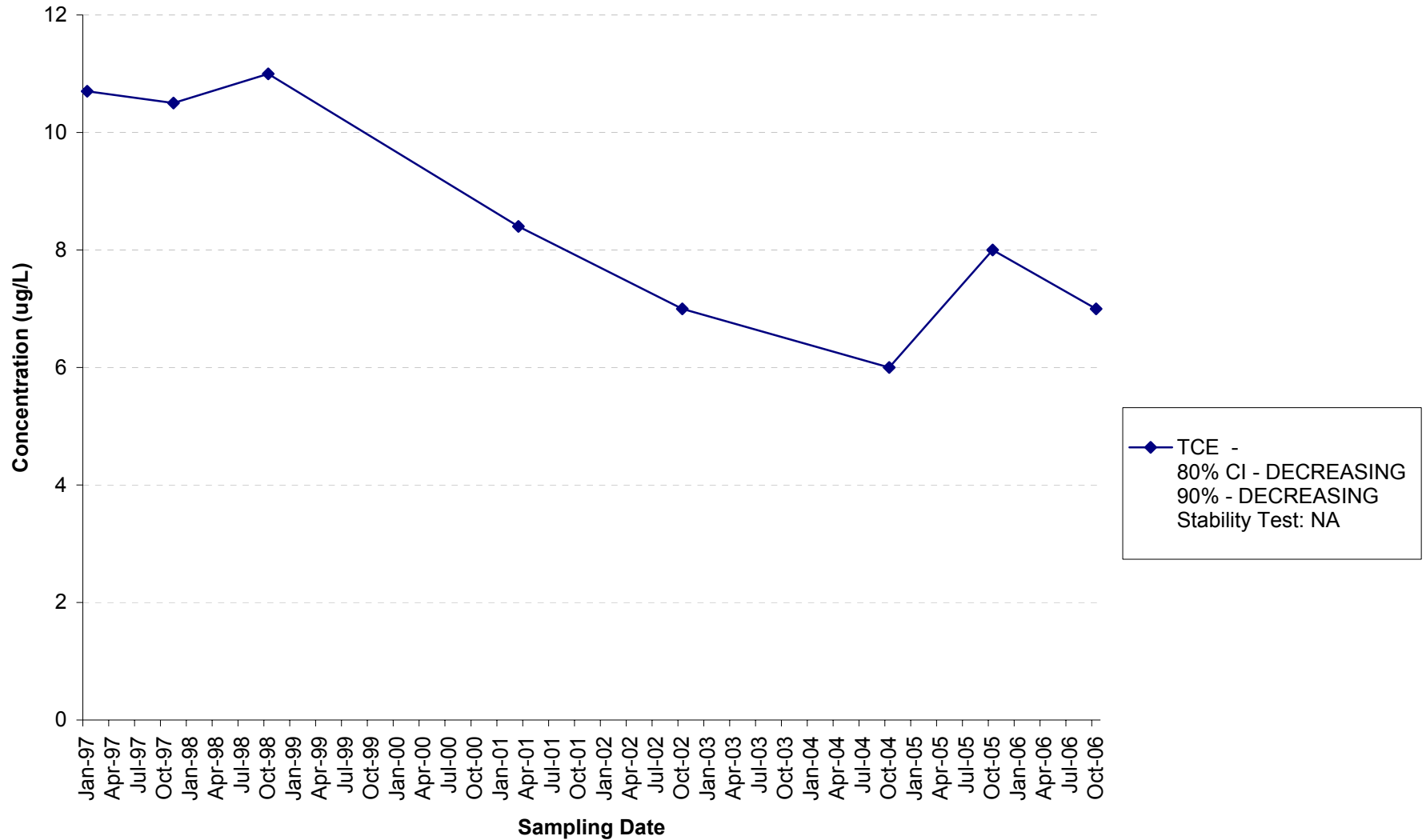
Stability Test, If No Trend Exists at 80% Confidence Level **NA** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/07/2007** Checked By = **LB**



Trend Test - Res ID 40 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

To avoid biasing the Mann-Kendall test, **the same value for all ND results must be entered** in the spreadsheet for a given compound. This is to make sure that any identified trends are data trends and not trends of laboratory detection limits. **SEE PROTOCOL AT BOTTOM OF WORKSHEET !**

Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 65**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	22.7					
2	11/1997	25.2					
3	10/1998	4.1					
4	03/2001	15.3					
5	10/2002	17					
6	10/2003	21					
7	10/2004	22					
8	10/2005	16					
9	10/2006	22					
10							

Mann Kendall Statistic (S) =	1	0	0	0	0	0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	18.37	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	6.317	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.344	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **No Trend** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **No Trend** **N<4** **N<4** **N<4** **N<4** **N<4**

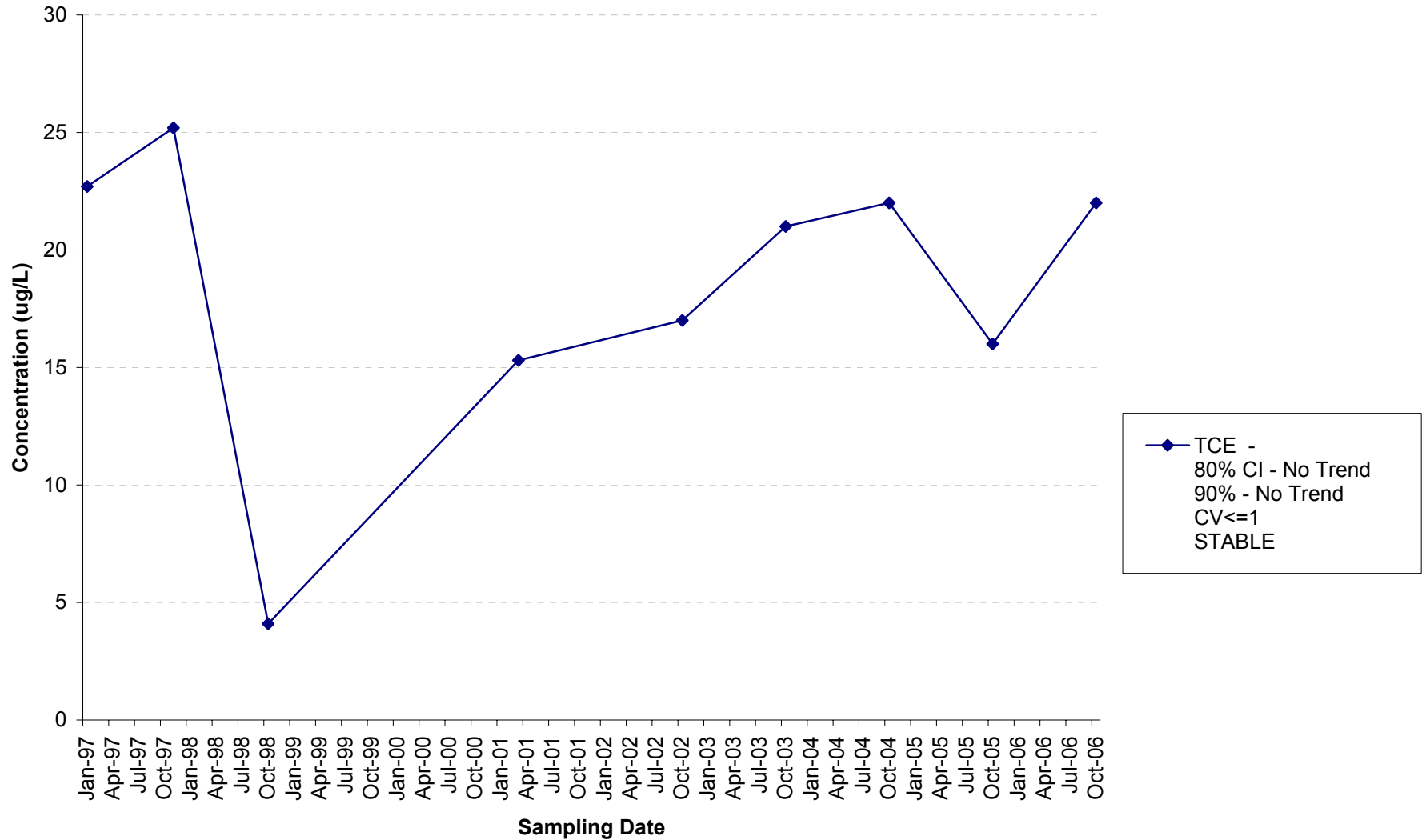
Stability Test, If No Trend Exists at 80% Confidence Level **CV<=1 STABLE** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/07/2007** Checked By = **LB**



Trend Test - Res ID 65 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

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Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 104**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	13.3					
2	11/1997	10.6					
3	10/1998	13					
4	03/2001	9.5					
5	10/2002	8					
6	10/2003	9					
7	10/2004	9					
8	10/2005	10					
9	10/2006	7					
10							

Mann Kendall Statistic (S) =	-21	0	0	0	0	0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	9.93	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	2.105	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.212	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

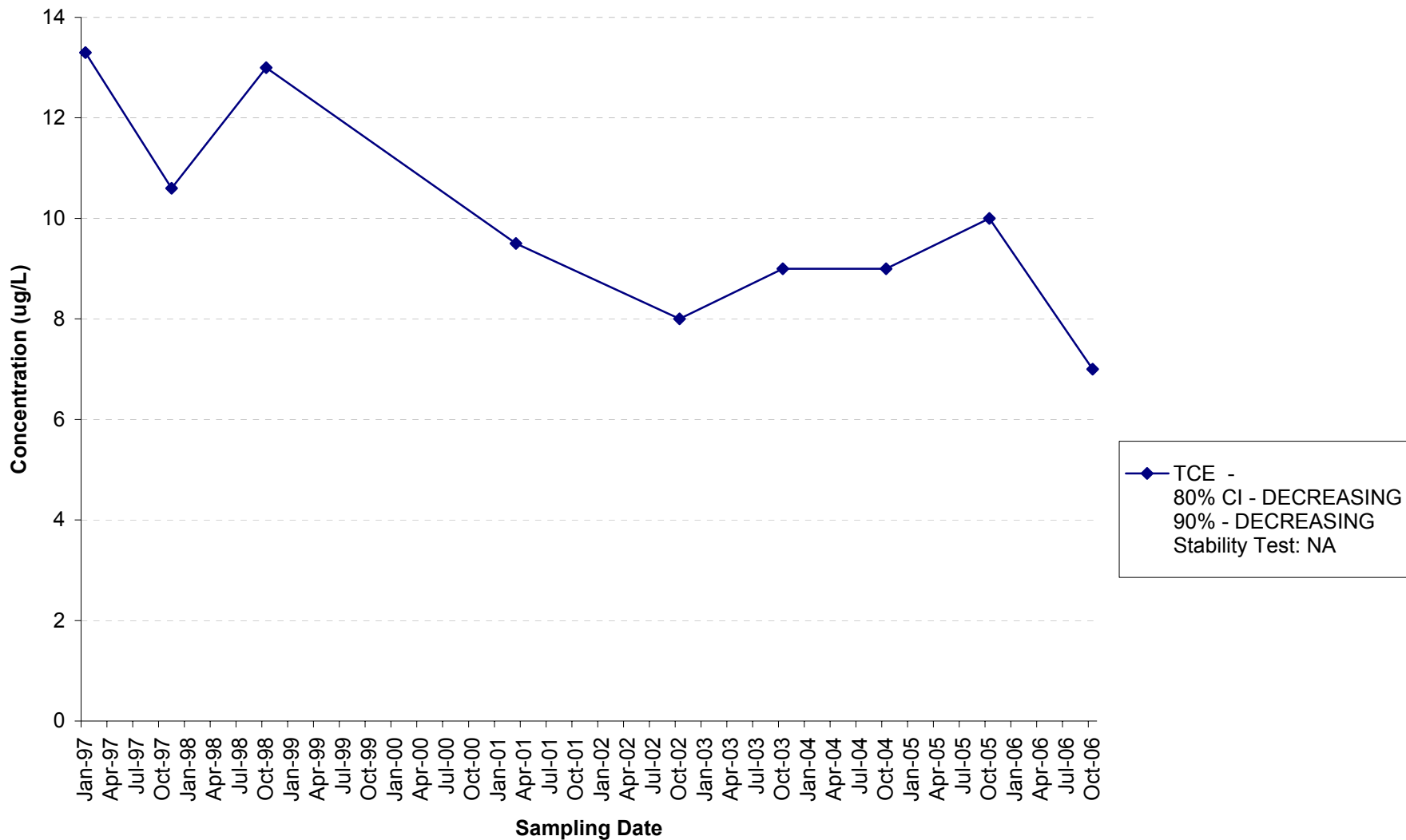
Stability Test, If No Trend Exists at 80% Confidence Level **NA** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/12/2007** Checked By = **LB**



Trend Test - Res ID 104 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

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Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

To avoid biasing the Mann-Kendall test, **the same value for all ND results must be entered** in the spreadsheet for a given compound. This is to make sure that any identified trends are data trends and not trends of laboratory detection limits. **SEE PROTOCOL AT BOTTOM OF WORKSHEET !**

Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 107**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	12					
2	11/1997	12.5					
3	10/1998	9.7					
4	05/1999	9.7					
5	03/2001	9.6					
6	10/2002	8					
7	10/2003	8					
8	10/2004	7					
9	10/2005	8					
10	10/2006	7					

Mann Kendall Statistic (S) =	-36	0	0	0	0	0	0
Number of Rounds (n) =	10	0	0	0	0	0	0
Average =	9.15	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1.925	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.210	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

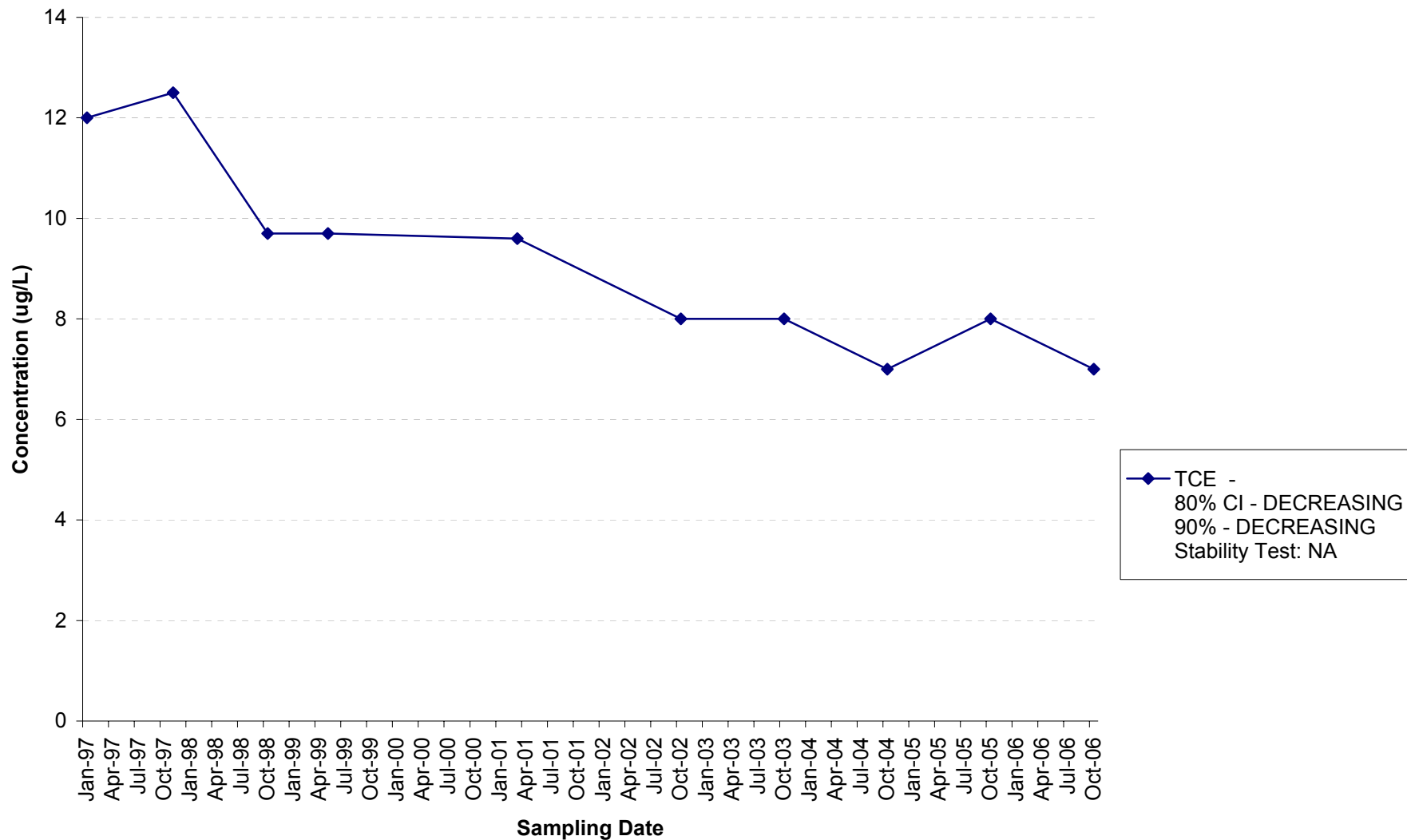
Stability Test, If No Trend Exists at 80% Confidence Level **NA** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/12/2007** Checked By = **LB**



Trend Test - Res ID 107 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

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Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

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Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 120**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	12.3					
2	11/1997	10.7					
3	10/1998	10					
4	03/2001	9.3					
5	10/2002	8					
6	10/2003	7					
7	10/2004	6					
8	10/2005	7					
9	10/2006	7					
10							

Mann Kendall Statistic (S) =	-29	0	0	0	0	0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	8.59	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	2.102	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.245	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

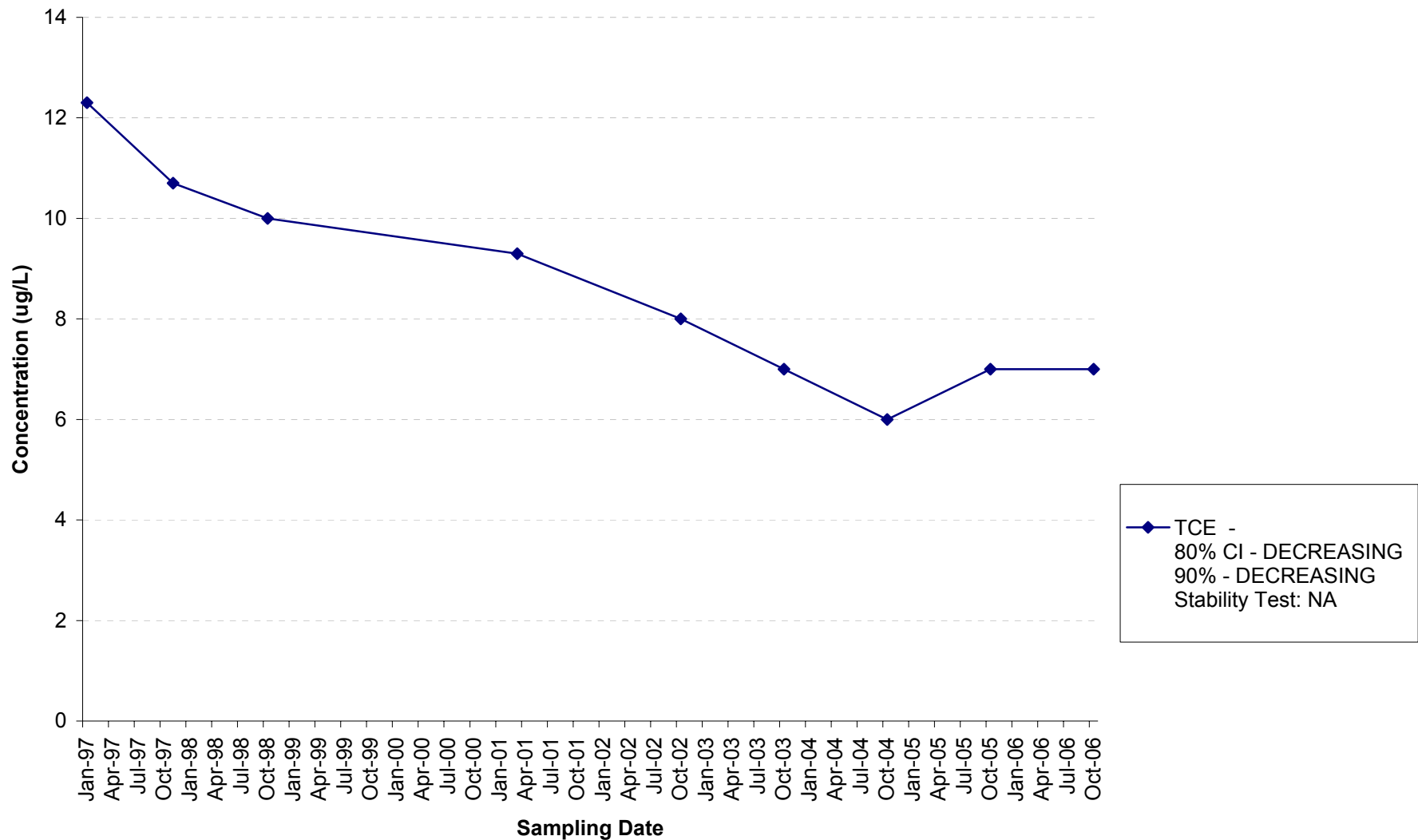
Stability Test, If No Trend Exists at 80% Confidence Level **NA** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/08/2007** Checked By = **LB**



Trend Test - Res ID 120 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

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Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 157**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	14.9					
2	11/1997	3.9					
3	10/1998	5					
4	03/2001	3.9					
5	10/2002	4					
6	10/2003	3					
7	10/2004	3					
8	10/2005	5					
9	10/2006	3					
10							

Mann Kendall Statistic (S) =	-15	0	0	0	0	0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	5.08	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	3.765	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.741	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

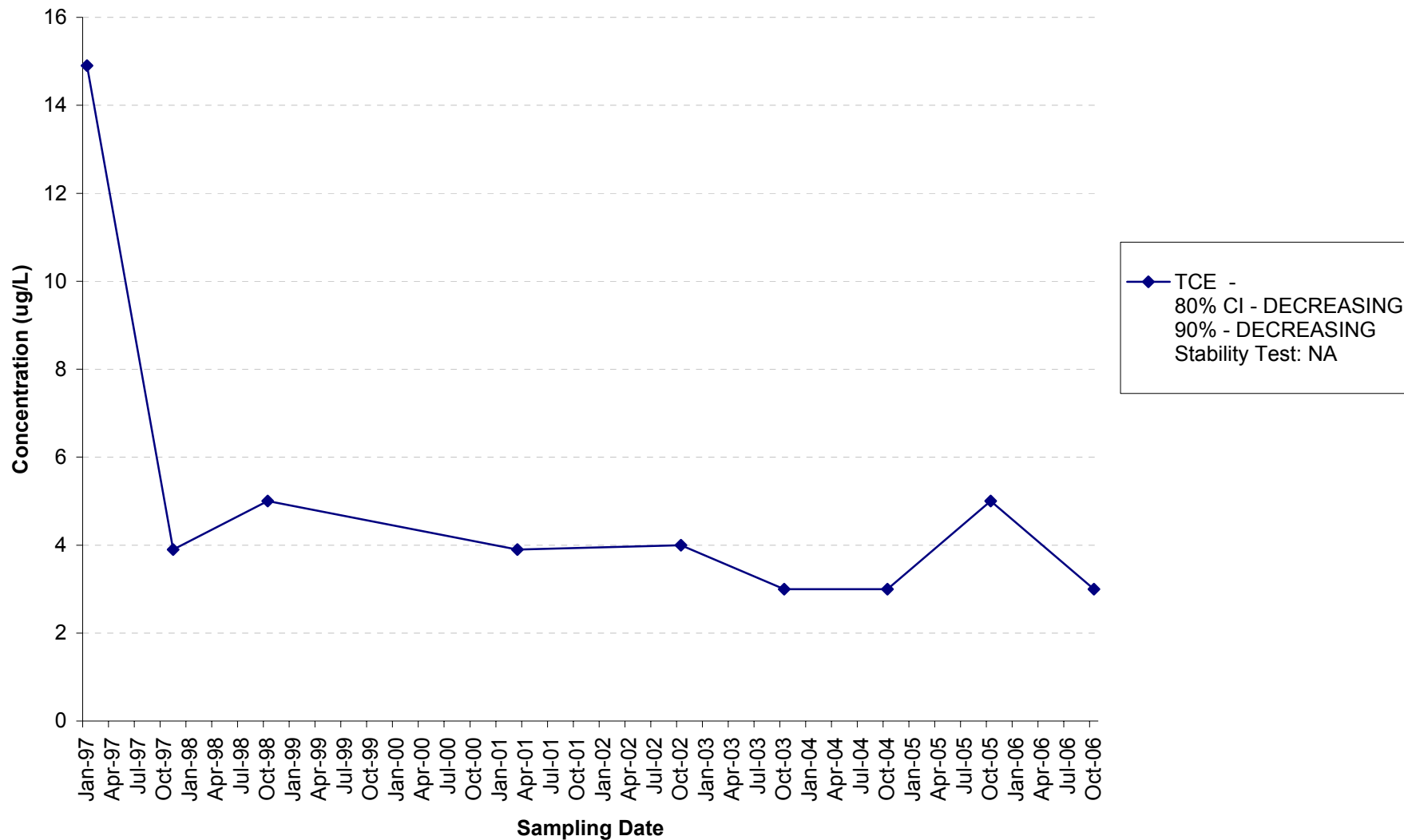
Stability Test, If No Trend Exists at 80% Confidence Level **NA** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/12/2007** Checked By = **LB**



Trend Test - Res ID 157 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

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Error Messages: There is a section below the data entry screen that describes data entry errors in more detail and which cell has that error. Thus a user can determine what and where their error is very quickly. Note that a space is seen as text in Excel formulae.

Data Entry and Error Messages: When there are less than four rounds of data entered, instead of getting an "**ERROR**" message, only "**n<4**" is displayed. But, if **text**, a **zero** or a **negative number** is inadvertently entered, the "**ERROR**" message is displayed. Thus, during data entry, an "ERROR" message is only displayed when there actually is an error. Note that the **date must be entered before sample results collected on that date are entered** to avoid an error message.

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Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 166**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	11.5					
2	11/1997	8.9					
3	10/1998	7.9					
4	03/2001	9.5					
5	10/2002	9					
6	10/2003	8					
7	10/2004	7					
8	10/2005	8					
9	10/2006	8					
10							

Mann Kendall Statistic (S) =	-15	0	0	0	0	0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	8.64	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1.303	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.151	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

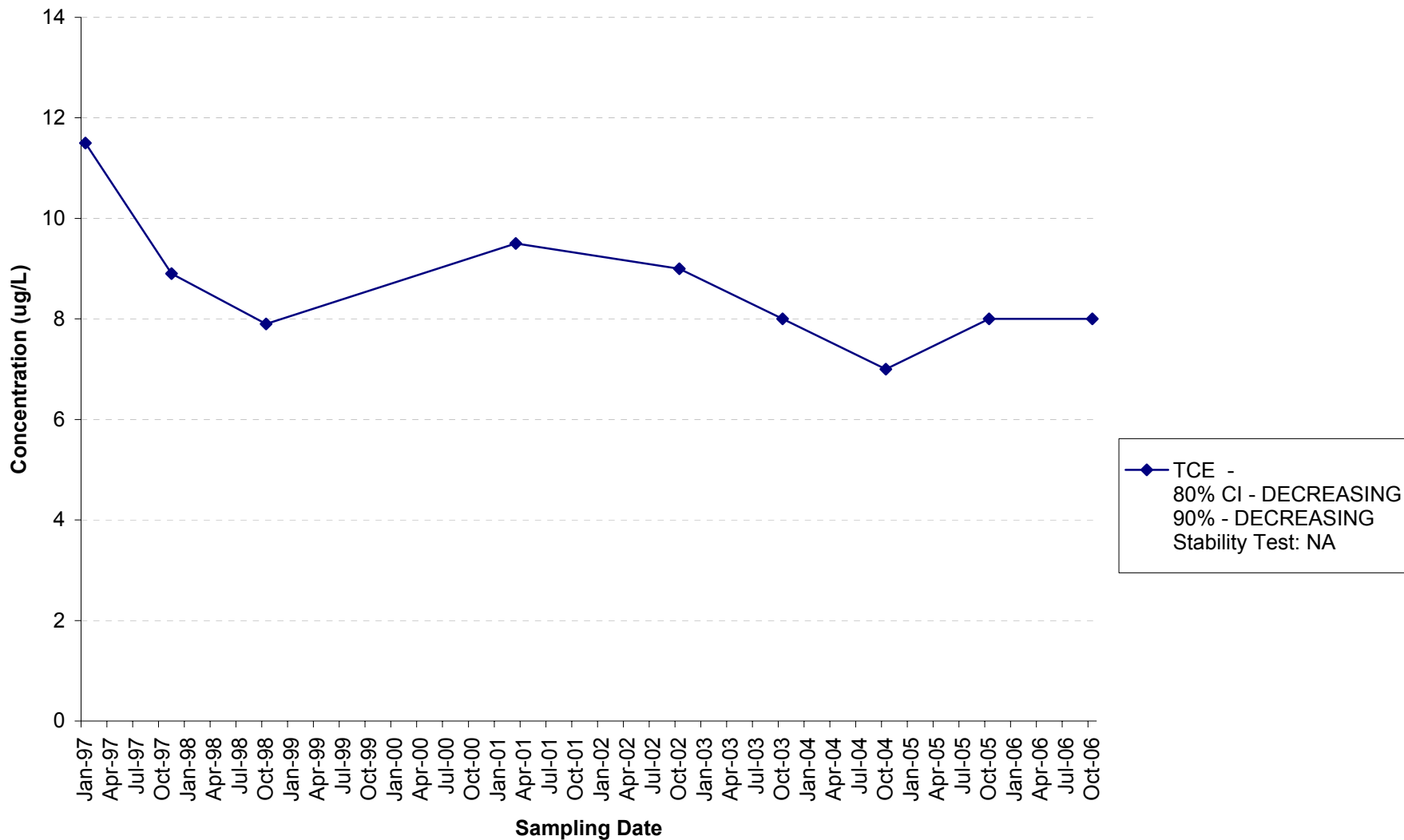
Stability Test, If No Trend Exists at 80% Confidence Level **NA** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/08/2007** Checked By = **LB**



Trend Test - Res ID 166 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

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Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 174**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	12.1					
2	11/1997	10					
3	10/1998	13					
4	03/2001	9.2					
5	10/2002	8					
6	10/2003	6					
7	10/2004	7					
8	10/2005	8					
9	10/2006	8					
10							

Mann Kendall Statistic (S) =	-19	0	0	0	0	0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	9.03	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	2.309	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.256	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

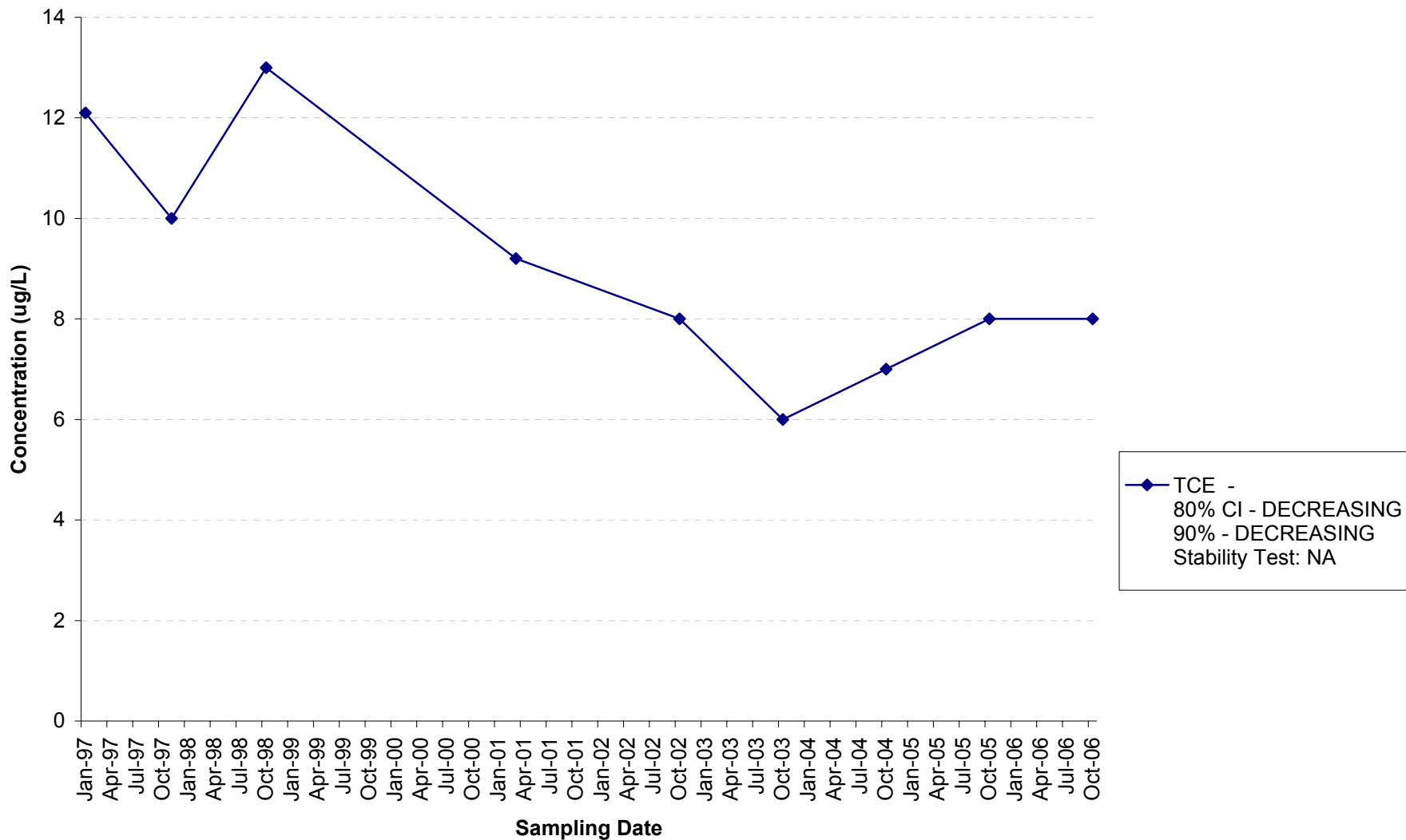
Stability Test, If No Trend Exists at 80% Confidence Level **NA** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/08/2007** Checked By = **LB**



Trend Test - Res ID 174 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Site Name = Little Valley Superfund Site - Residential Well	Site ID No. = 1945.2159	Well Number = ID 178
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Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	3.97					
2	11/1997	3.9					
3	10/1998	6.8					
4	03/2001	2.6					
5	10/2002	2					
6	10/2003	2					
7	10/2004	2					
8	10/2005	3					
9	10/2006	2					
10							

Mann Kendall Statistic (S) =	-18	0	0	0	0	0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	3.14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1.588	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.506	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected	N<4	N<4	N<4	N<4	N<4
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Trend = 80% Confidence Level	DECREASING	N<4	N<4	N<4	N<4	N<4
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Trend = 90% Confidence Level	DECREASING	N<4	N<4	N<4	N<4	N<4
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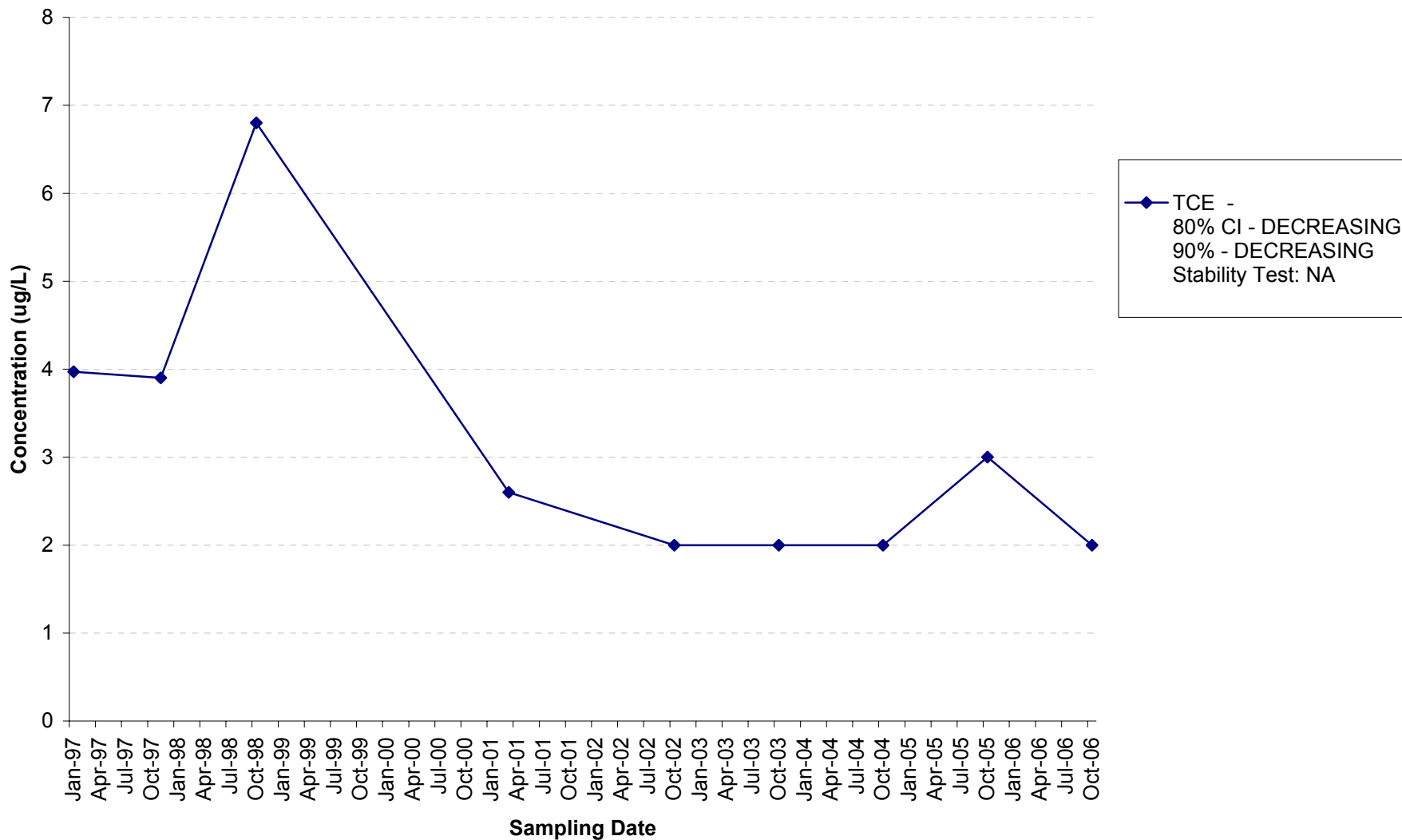
Stability Test, If No Trend Exists at 80% Confidence Level	NA	n<4	n<4	n<4	n<4	n<4
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Data Entry By =	L. Arabia	Date =	02/08/2007	Checked By =	LB
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Trend Test - Res ID 178 - DER 1 02-2007.xls

Contaminant Concentration vs. Time



Mann-Kendall Statistical Test

(For Groundwater Sampling Trend Analysis)

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Site Name = **Little Valley Superfund Site - Residential Well** Site ID No. = **1945.2159** Well Number = **ID 184**

Event Number	Compound ->	TCE					
	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	01/1997	13.1					
2	11/1997	10.4					
3	10/1998	12					
4	03/2001	10.7					
5	10/2002	9					
6	10/2003	8					
7	10/2004	7					
8	10/2005	11					
9	10/2006	10					
10							

Mann Kendall Statistic (S) =	-16	0	0	0	0	0
Number of Rounds (n) =	9	0	0	0	0	0
Average =	10.13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Standard Deviation =	1.907	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	0.188	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 80% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

Trend = 90% Confidence Level **DECREASING** **N<4** **N<4** **N<4** **N<4** **N<4**

Stability Test, If No Trend Exists at 80% Confidence Level **NA** **n<4** **n<4** **n<4** **n<4** **n<4**

Data Entry By = **L. Arabia** Date = **02/12/2007** Checked By = **LB**



Trend Test - Res ID 184 - DER 1 02-2007.xls

Contaminant Concentration vs. Time

