FINAL SUPPLEMENTAL REMEDIAL INVESTIGATIONS

CTS Printex Superfund Site
Mountain View, California

Prepared for:

EPA United States Environmental Protection Agency

Prepared by:

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A Gilbane Company

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FINAL SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT

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MOUNTAIN VIEW, CALIFORNIA

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ACRONYMS AND ABBREVIATIONS

ATL	Air Toxics Ltd.
bgs	below ground surface
BHRA	Baseline Health Risk Assessment
CalEPA	California Environmental Protection Agency
CAO	Cleanup and Abatement Order
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLP	Contract Laboratory Program
COC	chain of custody, chemical of concern
COPC	chemical of potential concern
CSM	conceptual site model
CSS	CSS Environmental Services, Inc.
CTS	CTS Printex, Inc.
DAT	Data Assessment Tool
DCA	dichloroethane
DCE	dichloroethene
DHS	Department of Health Services
DO	dissolved oxygen
DPT	direct push technology
DQO	data quality objective
DTSC	Department of Toxic Substances Control
EC	exposure concentration
ECD	electron capture detector
EDD	electronic data deliverable
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
ESL	Environmental Screening Levels
FFS	Focused Feasibility Study
FID	flame ionization detector
FS	Feasibility Study
FSP	Field Sampling Plan
ft	feet
ft2	square feet
GC/MS	gas chromatography/mass spectrometry
GIS	geographic information system
IDW	investigation-derived waste
in	inches
in Hg	inches of mercury

IRIS	Integrated Risk Information System
ITSI	Innovative Technical Solutions, Inc.
JEM	Johnson and Ettinger Model
kg	kilograms
L	liter
LCS	laboratory control sample
Liberty	Liberty Analytical Corporation
L/min	liters per minute
LOAEL	lowest observed adverse effect level
m^3	cubic meter
MCL	Maximum Contaminant Level
MDL	method detection limit
mg/kg	milligrams per kilogram or parts per million
mg/L	milligrams per liter
MIP	membrane interface probe
MRL	method reporting limit
MS/MSD	matrix spike/matrix spike duplicate
msl	mean sea level
NOAEL	no observed adverse effect level
NPL	National Priority List
NTU	nephelometric turbidity units
O&M	operation and maintenance
OEHHA	Office of Environmental Health Hazard Assessment
OSHA	Occupational Safety and Health Organization
PCDF	pozzolanic controlled density fill
PCE	tetrachloroethene
PID	photoionization detector
ppm	parts per million
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
QC	quality control
RAC	Remedial Action Contract II
RAO	remedial action objective
RD	Remedial Design
RI/FFS	Remedial Investigation /Focused Feasibility Study
RL	reporting limit
RME	reasonable maximum exposure
RMP	Risk Management Plan
ROD	Record of Decision
RPD	relative percent difference

RSL	Regional Screening Level
RWQCB	California Regional Water Quality Control Board
SAP	Sampling and Analysis Plan
SC	soil conductivity
SCR	Site Closure Requirements
SEP	Site Excavation Plan
SIP	State Implementation Plan
Site	CTS Printex Superfund Site
SMP	self-monitoring program or Site Mitigation Plan
SOP	standard operating procedures
TCA	trichloroethane
TCE	trichloroethene
TI	technical impracticability
TO	Task Order
TR	target risk
TVOL	Trace Volatile
TVSIM	Trace Volatile by Single Ion Monitoring
UCL	upper confidence limit
USCS	Unified Soil Classification System
VI	vapor intrusion
VOC	volatile organic compound
ug	micrograms

EXECUTIVE SUMMARY

The U.S. Environmental Protection Agency, Region 9 (EPA) issued a Record of Decision (ROD) for the CTS Printex Superfund Site ("Site") in 1991 (EPA, 1991) identifying shallow groundwater extraction with sanitary sewer discharge and groundwater monitoring as the remedy until groundwater cleanup goals at the Site are met. In the second five-year review of the Site (RWQCB, 2005), it was recommended that the ROD be modified to include, as part of the remedy, the institutional control that prohibits the use of impacted, shallow groundwater. EPA also was concerned that vapor intrusion could expose occupants of buildings at the Site to vapors from volatile organic compounds (VOCs) in groundwater. Therefore, it was also recommended that the existing ROD be amended to establish remedial action objectives (RAOs) and to select a remedy that addresses potential risk due to vapor intrusion. To provide technical support for the ROD amendment, data were collected in 2010 to get current information about environmental conditions at the Site, particularly conditions that affect potential vapor intrusion.

When a residential development, Regis Homes, was proposed at the former location of the CTS Printex manufacturing facility, EPA required that the developer evaluate the vapor intrusion pathway as part of the environmental assessment before allowing the residential redevelopment to continue. Based on results from the baseline health risk assessment (BHRA), Regis Homes took measures to mitigate vapor intrusion, including the excavation of soil that could provide a conduit for transport of VOCs to indoor air and engineering controls to eliminate vapor intrusion in the new homes. Indoor air samples also were collected prior to occupancy to confirm the effectiveness of these vapor intrusion control measures.

Innovative Technical Solutions, Inc. (ITSI), on behalf of EPA conducted additional investigations north of Plymouth Street. The supplemental remedial investigation (RI) showed that five VOCs are present in shallow groundwater at the Site at levels above maximum contaminant levels (MCLs): TCE; cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-DCE; 1,1-DCE; and 1,1-dicholoroethane (1,1-DCA). In 2010, the highest VOC concentrations were in shallow groundwater from well l7W, with TCE at 79 ug/L for the groundwater sample by ITSI and 51 ug/L for the annual groundwater monitoring sample. The presence of daughter products suggests that TCE and 1,1,1-TCA have been subject to abiotic and biotic transformation. The presence of only low levels of further reduced daughter products, such as vinyl chloride, suggests that biotic transformation may be limited due to unfavorable oxidation-reduction potential (ORP) and/or other biogeochemical conditions at the Site.

Membrane interface probe (MIP) investigations detected a mass of residual contamination in the vicinity of well 17W at a depth between the A and B zones. This residual contaminant mass will continue to contribute contaminants to the shallow groundwater through desorption, thus

prolonging the time required for natural attenuation processes to reduce the contaminants in groundwater to levels below RAOs.

To address potential vapor intrusion from the subsurface to buildings overlying the current VOC plume, sub-slab and indoor air samples were collected in several buildings within the footprint of the plume. Recent sub-slab vapor sampling of three buildings found concentrations of TCE ranging from 2,900 ug/m^3 to 8,500 ug/m^3. Indoor air samples showed that there is no quantifiable health risk to occupants of these buildings due to vapor intrusion. In the event that Site conditions change in the future, vapors containing these VOCs could migrate upward and, ultimately, enter the interior environment of buildings overlying the plume.

These multiple lines of evidence indicate that vapor intrusion is not a pathway of concern under current conditions. However, shallow groundwater contains VOCs, notably in the vicinity of well 17W that may continue to impact shallow groundwater if there is no active remediation.

1.0 INTRODUCTION

The CTS Printex Superfund Site ("Site") in Mountain View, California, was added to the National Priority List (NPL) in February 1990 because operations at the former CTS Printex manufacturing facility had released volatile organic compounds (VOCs) to groundwater. The Record of Decision (ROD) issued in 1991 (EPA, 1991) identified remedies that would restore groundwater as a potential drinking water source. The selected remedy identified in the ROD was operation of a groundwater extraction system with discharge to the sanitary sewer, and implementation of annual groundwater monitoring in accordance with the San Francisco Bay Regional Water Quality Control Board's (RWQCB) Final Site Cleanup Requirements (SCR) Order No. 91-081.

Until groundwater cleanup is achieved, use of groundwater as a source of domestic water supply is prohibited through a deed restriction and Santa Clara Valley Water District Ordinance (SCVWD) Ordinance 90-1. EPA is also concerned that volatilization of contaminants from shallow groundwater and vapor intrusion into overlying buildings may expose occupants at the Site to the VOCs present in shallow groundwater. To address these concerns, EPA is preparing a ROD amendment containing the following items:

- An institutional control that prohibits the use of shallow groundwater throughout the Site;
- Identification of chemicals of concern (COCs) present in shallow groundwater that were not included in the ROD, along with RAOs for these COCs; and
- Selection of a remedy for clean-up of the shallow groundwater, as well as a remedy that addresses potential risk due to vapor intrusion.

To provide necessary information to select an appropriate remedy for shallow groundwater, as well as a remedy for the potential vapor intrusion risk, the need for additional investigations was identified by EPA. To this end, Innovative Technical Solutions, Inc. (ITSI), under Remedial Action Contract II (RAC) Number EP-S9-08-03, Task Order (TO) 033, conducted a supplemental remedial investigation (RI) at the Site in 2010. Data from past investigations, along with data collected in this supplemental RI, were used to: (1) define residual contamination in shallow groundwater; and (2) evaluate current or potential vapor intrusion at the Site. Data from the supplemental RI provided the basis for the evaluation of potential health risks due to exposures of occupants in residential and commercial buildings to vapor intrusion. The results of this baseline health risk assessment (BHRA) provided the basis for a two part Focused Feasibility Study (FFS). The Part 1 FFS evaluated alternatives for mitigating vapor

intrusion (ITSI, 2011a) while the Part 2 FFS evaluated remediation of residual contamination in shallow groundwater (ITSI, 2011b).

1.1 OBJECTIVES

The objectives of the supplemental RI are the following:

- Define the current VOC plume boundary in shallow groundwater;
- Assess residual contamination associated with the VOC plume in shallow groundwater, including an area with suspected residual contaminant mass;
- Evaluate whether there is intrusion of vapors from the subsurface into buildings overlying the current VOC plume; and
- Assess potential health risks due to VOCs detected in indoor air.

The evaluation of a complete vapor intrusion pathway from potential source to receptor relies on multiple lines of evidence: indoor air data; groundwater data collected from existing monitoring wells and temporary wells; sub-slab vapor concentrations at existing buildings; Site stratigraphy interpreted from membrane interface probe (MIP) surveys; and findings from previously reported investigations.

1.2 REPORT ORGANIZATION

In addition to the introduction presented in this Section 1, the Supplemental RI consists of the following sections:

- **Section 2 – Site Background:** A brief overview of the physical and environmental setting of the Site, regulatory history, and previous Site activities.
- **Section 3 – Supplemental Remedial Investigations:** Describes the supplemental remedial investigation field efforts that included groundwater sampling, MIP and geotechnical sampling, and indoor/outdoor air sampling.
- **Section 4 – Results of Supplementary Remedial Investigation:** Discusses the results of the supplementary investigations, the nature and extent of the shallow groundwater contamination, and fate and transport considerations for the COCs.
- **Section 5 – Baseline Health Risk Assessment:** Describes the methodology, assumptions, and uncertainties in the baseline human health risk assessment.
- **Section 6 –Ecological Evaluation:** Addresses if ecological risk is applicable to the Site.
- **Section 7 – Discussion and Conclusions:** Discusses the extent of current contaminant concentrations and presents conclusions from these investigations.

- **Section 8 – References:** Identifies the documents referred to in this Supplemental RI.

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2.0 SITE BACKGROUND

This section discusses the Site setting and summarizes previous investigations, risk assessments, and remedial actions that have been implemented at the Site.

2.1 ENVIRONMENTAL SETTING

The Site is located in the northwestern portion of the Santa Clara Valley, between the south end of the San Francisco Bay and the Santa Cruz Mountains, in Santa Clara County, California (see Figure 2-1). The Santa Clara Valley is a fault-bounded structural basin filled with marine and alluvial sediments. Alternating layers of coarse and fine deposits result in a subsurface consisting of heterogeneous, interbedded sands, gravels, silts, and clays.

Three shallow aquifer zones have been identified beneath the Site. These zones are designated as the A, B, and intermediate aquifer zones (ATT, 1991). The A zone extends from 10 feet below ground surface (bgs) to approximately 20 feet bgs. The B zone lies between approximately 30 and 40 feet bgs. Some hydraulic communication is believed to exist between the A and B zones due to the discontinuous nature of the stratigraphy (ATT, 1991). The intermediate aquifer zone lies between 60 and 75 feet bgs. Shallow groundwater flow within the A and B zones is generally to the northwest, consistent with the northerly regional flow direction towards San Francisco Bay. Depth to groundwater beneath the site is approximately 9 feet.

2.2 PHYSICAL SETTING

The former CTS Printex printed circuit board manufacturing facility was located at 1904, 1940, and 1950 Colony Street and at 1905, 1911, 1921, and 1931 Plymouth Street in the City of Mountain View, California. The former facility was bounded by Plymouth Street on the north, residences along Sierra Vista Avenue on the west, Colony Street on the south, and U.S. Highway 101 (Bayshore Freeway) on the east (Figure 2-2).

The ADN Corporation (Arthur D. Nearon) constructed the Site buildings at 1905, 1911, 1921, and 1931 Plymouth Street and at 1940 and 1950 Colony Streets (Pacific, 2001, as cited in GeoSyntec, 2005). Printex, which was incorporated in 1966, leased these buildings at the Site and at 1904 Colony Street (Figure 2-2). Printex was acquired by CTS Corporation in 1981 and was renamed CTS Printex, Inc. (GeoSyntec, 2006). CTS Printex, Inc. (CTS Printex) continued to manufacture printed circuit boards at the Site until early 1985. The former CTS Printex facility used solvents, including trichloroethene (TCE) and 1,1,1-trichloroethane (1,1,1-TCA), in printed circuit board manufacturing. The land surrounding the CTS Printex Site is zoned for light industrial/manufacturing, commercial, residential, and agricultural use.

2.3 REGULATORY HISTORY

Because solvents used in its manufacturing operation had been released and impacted groundwater, CTS Printex conducted environmental investigations (ATT, 1991) to comply with the Cleanup and Abatement Order (CAO) No. 89-63 issued by the RWQCB on April 19, 1989. Soil investigations indicated that the soil was contaminated with metals and volatile organic compounds (VOCs). CTS Printex excavated the contaminated soil and the California Department of Health Services (now the California Department of Toxic Substances Control) certified closure of the former CTS Printex facility in October 1986 (EPA, 1991). Groundwater monitoring results showed groundwater contamination in the A and B zones (ATT, 1991). Identified contaminants resulting in the need for groundwater remediation included both chlorinated and non-chlorinated VOCs.

The EPA placed the CTS Printex facility on the National Priority List (NPL) in February 1990, and the RWQCB issued the Final Order No. 91-081 Site Cleanup Requirements (Final Order) for the Site in 1991. The Final Order recommended institutional controls to prevent use of the Site groundwater as a drinking water source, but did not identify any risks associated with the soil. The RWQCB and EPA agreed on the selected remedy consisting of the installation and operation of three on-site and four off-site groundwater extraction wells screened in the A and B shallow groundwater zones. Extracted groundwater was discharged to the sanitary sewer system under a permit from the City of Mountain View. The goal of this remedial action was to restore the shallow groundwater to its beneficial use as a potential drinking water source.

The ROD identified the following eleven chemicals of concern (COCs) in shallow groundwater at the Site:

- 1,1-dichloroethane (1,1-DCA);
- 1.1-dichloroethene (1,1-DCE);
- 1.2-dichloroethane (1,2-DCA);
- trans-l,2-dichloroethene (trans-1,2-DCE);
- tetrachloroethene (PCE);
- 1,1,1-trichloroethane (1,1,1-TCA);
- trichloroethene (TCE);
- methylene chloride;
- ch1oroform;
- toluene; and
- benzene.

The RWQCB, as the lead regulatory agency at the time, agreed to CTS Printex's request to discontinue operation of the groundwater extraction system in 1996 because the amounts of chemicals being removed were becoming asymptotic, indicating that only very low levels of contaminant mass were being removed. A revised self-monitoring program (SMP) subsequently was issued for the Site (RWQCB, 2000), and some of the monitoring and extraction wells were destroyed in compliance with regulatory guidelines. The SMP required annual groundwater elevation measurements in twenty wells, annual groundwater sampling of eighteen wells, and biennial groundwater sampling of two wells.

2.4 SITE HYDROGEOLOGY

Two shallow water-bearing zones are present beneath the Site. These zones are designated as the A zone and B zone. The A zone extends from 10 feet bgs to approximately 20 feet bgs. The B zone extends from 30 feet bgs to 40 feet bgs (EPA, 1991b). Hydraulic communication is believed to exist between the A and B zones, at least locally around monitoring well 17W, due to the discontinuous nature of the sedimentary units.

Groundwater flow within the shallow groundwater (A and B water-bearing zones) is generally to the northwest, consistent with the northerly regional flow direction towards San Francisco Bay.

A detailed discussion of changes in the extent of the VOC plume is presented in the Groundwater Focused Feasibility Study (ITSI, 2011b). This discussion includes descriptions of the plume extent prior to initiating groundwater extraction, changes in the plume during active groundwater extraction (1987 to 1996), and following discontinuation of groundwater extraction through 2010. Prior to initiation of groundwater extraction at the Site in 1987, the VOC plume extended 1,400 feet north of the former CTS Printex facility in the A zone groundwater. TCE in groundwater within the B zone reportedly extended an estimated 500 feet north of the former CTS Printex facility, to just beyond the eastern side of Highway 101. Over the period of groundwater extraction, approximately 99 pounds of TCE were removed, and groundwater extraction was effective in achieving a measurable reduction in the concentration and lateral extent of TCE in both the A zone and B zone However, the RWQCB approved the shutdown of the extraction system in 1996 because concentrations were reaching asymptotic levels (RWQCB, 2005). The current extent of the plume, associated with TCE concentrations of 5 ug/L or more, is discussed in Section 4.3.

2.5 ADDITIONAL SITE INVESTIGATIONS

CTS Corporation (CTS) conducted soil gas and indoor air sampling in 2004 at the request of the RWQCB for the properties formerly associated with the CTS Printex manufacturing facility. Three soil gas samples were collected outside of 1911 Plymouth Street, one soil gas sample was collected near downgradient monitoring well 17W, and three indoor air samples were collected at 1921 and 1931 Plymouth Street with samples analyzed for VOCs. Soil gas concentrations of

all COCs were below the RWQCB Environmental Screening Levels (ESLs), but the TCE concentration in the soil gas sample collected near well 17W was 5,000 micrograms per cubic meter (ug/m^3). CTS attributed the elevated concentration to the presence of residual TCE in soil at 1914 Plymouth Street (CSS Environmental Services, Inc. [CSS], 2004a). In 2004, CTS requested that the RWQCB amend the Final Order based on technical impracticability (TI), but as of May 2005, the RWQCB had not rescinded the order (GeoSyntec, 2005). In 2006, regulatory lead for the CTS Printex Superfund Site was transferred to EPA.

As part of a real estate transaction for 1914 Plymouth Street, ERAS Environmental, Inc., conducted a Phase 1 Assessment (ERAS, 2004) on behalf of the property owner. The RWQCB, as the lead regulatory agency at the time, recommended further characterization of the horizontal and vertical extent of soil and groundwater contamination at 1914 Plymouth Street due to the high concentration of TCE in groundwater monitoring well 17W. Soil samples collected beneath the building showed TCE at 350 micrograms per kilogram (ug/kg), and grab groundwater samples showed a maximum TCE concentration of 33 ug/L. An additional investigation was undertaken in July 2004 to assess whether there were known utility lines that could serve as preferential pathways. A utility line was determined to extend from the floor drains inside the building, south towards Plymouth Street. No additional investigations were conducted.

In 2005, an Environmental Site Assessment (ESA) was conducted on behalf of Regis Homes Northern California (Regis Homes), which was considering purchasing properties associated with the former CTS Printex manufacturing facility (see Figure 2-2) for residential redevelopment. As part of the due diligence activities associated with the purchase, a baseline health risk assessment (BHRA) was conducted (and approved by EPA) to assure that occupants of the proposed homes, as well as construction workers associated with the redevelopment, would not have unacceptable exposures.

The BHRA (GeoSyntec, 2006) evaluated potential exposures of future residents and construction workers to soil and concluded that there was no unacceptable risk due to soil exposures. Indoor air exposures were also based on predicted indoor air concentrations modeled (Johnson and Ettinger Model [JEM] version 2.0; 02/03) from groundwater and soil gas concentrations (GeoSyntec, 2006). When the maximum detected groundwater concentration was used to estimate indoor air concentrations, TCE was predicted to be present at 0.04 ug/m^3, significantly lower than the acceptable indoor air level of 1 ug/m^3. However, when soil gas data were modeled, the predicted indoor air concentration of TCE was 2 ug/m^3, higher than the acceptable indoor air level of 1 ug/m^3. The estimated increased risk of cancer due to the predicted indoor air concentration from the TCE soil gas concentration was 2×10^{-6}. Although the BHRA asserted that this risk level was within the EPA risk management range of 1×10^{-6} to 1×10^{-4}, the estimated increased risk of cancer due to TCE alone was higher than the point-of-departure level

of $1x10^{-6}$. Therefore, risk management measures were proposed to eliminate the vapor intrusion pathway (GeoSyntec, 2006b).

A Risk Management Plan (RMP; GeoSyntec, 2006) describing engineering and institutional controls to protect future residents from vapor intrusion also was prepared and implemented as part of the residential development. Risk management measures included:

- Installation of sub-slab vapor barriers and enhanced passive sub-slab depressurization systems beneath occupied buildings;
- Vapor migration reduction elements in utility trenches;
- Confirmation indoor air sampling following construction and prior to occupancy; and
- Implementation of a deed restriction with restricted land use and prohibition of groundwater use.

A Site Excavation Plan (SEP; GeoSyntec, 2007) was implemented to remove backfill material with VOC concentrations exceeding the RWQCB ESLs. The above vapor intrusion mitigation measures, including the deed restriction, were approved by EPA.

2.6 AIR SAMPLINE AT GABLES END TOWNHOMES DEVELOPMENT

Consistent with the RMP, pre-occupancy indoor air sampling for VOCs was conducted for the townhome development at the location of the former CTS Printex facility. In May and July 2009, indoor air sampling was conducted for Buildings 1, 6, and 18 of Phase 2 of the Gables End Townhomes Development (GeoSyntec, 2009). Background air samples also were collected from a location up-wind of the sampled buildings. The concentrations of TCE in indoor air and background air samples were all below the EPA Regional Screening Levels (RSLs) for indoor air. TCE was detected in Buildings 1, 6, and 18 at concentrations of 0.044, 0.024, and 0.025 ug/m^3, respectively, and in background air samples at concentrations of 0.023 and 0.063 ug/m^3, respectively. Vinyl chloride (VC) and cis-1,2-DCE, two chemicals associated and potentially formed by the reduction of TCE in shallow groundwater, were not detected at concentrations above each chemical's reporting limit.

Background and indoor air samples were collected in November 2009 for Building 4 of Construction Phase 2 for the Gables End Townhomes Development (GeoSyntec, 2009). Concentrations of TCE in indoor air and background were all below EPA RSLs for indoor air. VC and cis-1,2-DCE were not detected at concentrations above each chemical's reporting limit.

Air sampling for Buildings 13 and 14 (Construction Phase 3 for the Gables End Townhomes Development) was conducted in March 2010. TCE, cis-1,2-DCE, and VC were not detected at concentrations above each chemical's reporting limit.

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3.0 SUPPLEMENTAL REMEDIAL INVESTIGATION

This section discusses the scope of the supplemental RI conducted by ITSI in January through June 2010 to obtain the necessary field data and environmental media chemical concentrations to satisfy the supplemental investigation objectives described in Section 1.1.

3.1 DATA QUALITY OBJECTIVES

The scope of the supplemental RI applied data and findings from previous investigations that were pertinent to vapor intrusion. Two general categories of data, screening and definitive data, were used to meet the data quality objectives (DQOs) developed for the Site (ITSI, 2010). These Site-specific DQOs were developed in accordance with the Guidance on Systematic Planning Using the Data Quality Objectives Process, EPA QA/G-4 (EPA, 2006).

Screening data were generated by rapid methods of analysis using less rigorous sample preparation, calibration, and/or QC requirements than are necessary to produce definitive data. These data were collected using direct-push technology (DPT) to advance membrane interface probes (MIPs) in order to provide an initial characterization of the extent of the VOC plume and quickly determine the presence of potential sources of VOCs at the Site. Concentration trends based on screening data were examined to determine whether additional screening data were required or whether definitive data could address potential data gaps. Geotechnical data were collected so that Site-specific soil properties could be applied to the modeling of indoor air concentrations using the Johnson and Ettinger (1991) vadose zone contaminant transport model.

Definitive data were generated using more rigorous methods, such as approved EPA analytical methodology for sample testing. These methods have standardized documentation and quality control (QC) requirements, and ITSI applied definitive data for groundwater samples used to validate the extent of the VOC plume.

Because VOCs in groundwater extend beyond the property boundaries of the former CTS Printex facility, one of the DQOs for the supplemental RI was the collection of data to evaluate the potential for vapor intrusion for buildings located north of Plymouth Street and overlying the TCE plume. Therefore, data were collected for the evaluation of vapor intrusion into buildings overlying the current extent of the TCE plume.

3.2 MIP SAMPLING

The presence of TCE in well 17W may be due to a local source of residual contaminants in shallow soils at 1914 Plymouth Street, and so could be a continuing source of VOCs in groundwater from well 17W (CSS, 2004a). MIP/soil conductivity (SC) logging was conducted to: (1) identify the potential presence of COCs in the shallow soil in the area of 17W; (2) evaluate the lateral and vertical distribution of contaminants observed in groundwater samples

from 17W; and (3) evaluate the potential impacts of COCs in the vicinity of well 17W on both the A and B zone groundwater and the intermediate horizon between A and B zones as well.

Four primary MIP borings were placed around well 17W, with MIP/ SC logging providing continuous field screening for both volatile organic contaminants and subsurface stratigraphy. Data were obtained through a direct-push tool producing continuous chemical and physical logs of the vadose and saturated zones. Results of the January 2010 investigation indicated that residual contamination remained in the subsurface at various depths, with no clear identification of a surface source area. Therefore, a second round of MIP investigation was performed in February 2010 and involved step-outs from the initial four MIP borings and included borings MIP2-1, MIP3-1, MIP4-1, MIP4-2, MIP4-3, and MIP4-4 at locations shown on Figure 3-1.

MIP technology detects VOCs through multiple detectors:

- A flame ionization detector (FID) capable of detecting combustible organic compounds, particularly petroleum hydrocarbons, at detection levels from 1 to 100,000 parts per million (ppm);
- A photoionization detector (PID) capable of detecting primarily double-bonded organic components, including both petroleum hydrocarbons and many chlorinated VOCs, at detection levels from 1 to 20,000 ppm);
- An electron-capture detector (ECD) capable of detecting chlorinated organic compounds at detection levels from 0.25 to 10 ppm); and
- A SC probe that measures electrical conductivity in the soil adjacent to the probe, providing data that allows characterization of the subsurface formations as fine grained (silts and clays) or coarse grained (sands and gravels).

As part of this field effort, the soil conductivity logging tool and the MIP were combined to characterize lithology and VOC contaminant levels. The MIP/SC consisted of a probe, 1.5 inches in diameter and 12 inches in length, that was driven into the ground at a rate of one foot per minute using a DPT rig. The SC logging tool was used to characterize lithology while the MIP was used to analyze qualitatively concentrations of VOCs. Using the DPT equipped for vapor sampling, a soil gas sample was also collected in a 1-liter Summa canister from the area of MIP 4-4, where the detection response in the vadose zone was high. This soil gas sample was collected and analyzed to identify the suite of VOCs detected in the MIPs.

The MIP/SC logging was conducted in real time, which allowed the project team to make decisions about the primary boring locations and determine that six additional step-outs were needed. After each location was profiled, an electronic copy of the results was e-mailed to the

project team for review. Based on this review the decision was made to step-out MIP borings. The MIP logs and photographs of the MIP sampling activities are included in Appendix A.

3.3 GEOTECHNICAL SAMPLING

Soil samples were collected from two locations near the buildings located at 935 Sierra Vista Avenue and 1914 Plymouth Street (see Figure 3-1), using the DPT method. Two soil cores were selected for the depth interval of approximately 4 to 8 feet bgs and submitted to a geotechnical laboratory for analyses of the following geotechnical parameters:

- Total organic carbon by ASTM F1647 Method B (Walkley-Black);
- Grain size by ASTM D422/D4464M;
- Dry bulk density ASTM D2937; and
- Porosity (total, air filled, and water filled) by method API RP40.

These parameters were used in the evaluation of vapor intrusion from groundwater to indoor air in existing structures at the properties north of Plymouth Street. Geotechnical sample analytical reports are included in Appendix A.

3.4 GROUNDWATER SAMPLING

The current annual groundwater sampling program at the Site is performed on selected wells across the area affected by the VOC plume. In establishing the DQOs for the supplemental RI, one of the identified data gaps was a lack of VOC plume characterization. Results from the 2008 annual groundwater monitoring and sampling conducted by CTS (CSS, 2009) indicated that VOCs (i.e., TCE) were present in both the A and B aquifer zones. However, the selected downgradient wells that were sampled do not adequately characterize the extent of the plume (defined by TCE concentrations above the drinking water MCL of 5 ug/L) in some areas. Thus prior to the supplemental RI, the current VOC plume could only be inferred in the northern, western, and southern portions.

Groundwater samples were collected from existing wells with grab groundwater samples collected from temporary wells to support the characterization of the current VOC plume. Table 3-1 provides information on the screened intervals for the wells. Sixteen existing groundwater wells were sampled using “low-flow” sampling techniques, using procedures as described in the Work Plan (ITSI, 2010). Current and historical groundwater elevations in Site wells are provided in Table 3-2, and historical groundwater concentration data are listed in Table 3-3. Monitoring well water level measurements and purge logs, low-flow groundwater purge logs, and photographs of monitoring and temporary wells are included in Appendix B.

A calibrated YSI field instrument was used to measure standard water quality parameters (pH, temperature, conductivity, oxygen-reduction potential [ORP], turbidity, and dissolved oxygen [DO]). Except for turbidity, these water parameter measurements were recorded based on the readings from a YSI meter attached to a flow-through cell. Stabilization initially was monitored every 5 minutes, but subsequently was adjusted based on the flow and yield of the well. Stabilization was considered complete when, for three consecutive readings, the following had occurred: (1) pH was within plus or minus 0.1 pH unit; (2) temperature measurements were within plus or minus 1.0 degree centigrade; and (3) conductivity and ORP values varied by less than 10 percent. Turbidity and DO were measured and recorded, but were not used to establish stabilization during purging.

Once groundwater parameters had stabilized, groundwater samples were collected directly from the peristaltic pump discharge tube into proper sample containers. Prior to shipping, the sample containers were labeled, packaged, and stored in accordance with procedures described in the Work Plan (ITSI, 2010). The groundwater samples were shipped with the original chain of custody form to the selected EPA Contract Laboratory Program (CLP) laboratory and submitted for analysis of VOCs by EPA Method SOM01.2 Trace Volatile (TVOL) and Trace Volatile by Single Ion Monitoring (TVSIM). Analytical reports for groundwater samples are included in Appendix F.

3.5 DIRECT-PUSH BORINGS AND TEMPORARY WELL INSTALLATION

Figure 3-1 shows the locations of the twenty-one temporary wells installed to address the characterization of the northern, western, and southern boundaries of the VOC plume in four areas along Leghorn Street (northern), Plymouth Street and Sierra Vista (western), and Colony Street (southern), to help define the extent of the plume. The temporary wells were installed in both the A and B shallow groundwater zones.

The ground surface in the areas where temporary wells were installed was within the asphalt paved roads. DPT borings were drilled to a depth of approximately 20 feet bgs for temporary wells installed in the A zone, and 40 feet bgs for the B zone. Soil samples were retrieved in acetate sleeves and soil cores were logged in accordance with the Unified Soil Classification System (USCS). DPT locations not selected for logging purposes were drilled directly to the target depth for setting the temporary well casing. Temporary well logs are presented in Appendix B.

For temporary well installations, procedures as described in Appendix C of the Work Plan (ITSI, 2010) were followed and are summarized herein. For the A zone, the DPT rods and tip were pushed to a total depth of 20 feet bgs and subsequently removed from the borehole. A temporary one-inch polyvinyl chloride (PVC) casing with ten feet of bottom screen was inserted and set in the borehole. For temporary well installations in the B zone, the DPT rods and tip were pushed

to a total depth of 40 feet bgs, then the rods were pulled back to expose the depth interval of 30 to 40 feet bgs to prevent cross-contamination between the A and B aquifer zones. A one-inch PVC casing with ten feet of bottom screen was inserted through the rods and set in the borehole immediately after the 30- to 40-foot depth interval was exposed.

3.6 AIR SAMPLING

This section describes the methodology used for collection of indoor air and sub-slab vapor samples.

3.6.1 Indoor Air Sampling

Indoor air sampling was limited to buildings overlying the TCE plume (based on the estimated extent of 5 ug/L concentrations). The JEM vadose zone contaminant transport model was used to calculate the TCE concentration in groundwater that would result in an acceptable risk of $1x\ 10^{-6}$ in indoor air of residential buildings. Despite the current commercial use at the properties overlying the plume, a residential scenario was assumed in the JEM because the result would be more conservative than for a commercial structure. Recent depth to water measurements taken during this supplemental RI showed groundwater at approximately 5.5 to 9 feet bgs. At this depth, the predicted threshold TCE concentration in groundwater that resulted in acceptable indoor air risk (i.e., an estimated risk of 1×10^{-6}) was found to be 10 ug/L. As the groundwater clean-up level of 5 ug/L is less than this estimated risk-based level, the 5 ug/L value will be used as the basis to determine when groundwater is not a potential source of indoor air risk due to vapor intrusion.

Three indoor air sampling events were conducted for the supplemental RI. Figure 3-1 shows the locations of indoor and ambient (outdoor) air samples. The first two events were conducted with the heating, ventilation, and air conditioning (HVAC) systems for the buildings left turned on, and the third event was conducted with the HVAC systems turned off. Collection of indoor air samples with the HVAC turned on represents the actual conditions when occupants are present in the buildings. Collection of indoor air samples with the HVAC turned off represents worst-case conditions, because the positive pressure differential with active ventilation can limit sub-slab vapors from entering a building.

Before indoor air samples were collected, the business owners occupying the sampled locations were requested to read and sign an access agreement prepared by the EPA. The owner of the building located at 935 Sierra Vista Avenue also signed the access agreements for lessees of office spaces 935-C and 935-F. ITSI conducted building and product surveys in each business location being sampled to identify other potential sources of the suite of VOCs being measured. Forms used for the building and product surveys were from the California Environmental Protection Agency (Cal/EPA) document Vapor Intrusion Guidance–Final Interim (Cal/EPA, Department of Toxic Substances Control [DTSC], 2004). The building survey also included an

inspection to identify any apparent preferential pathways for vapors to enter the building, such as electrical and/or plumbing lines. Business owners were also advised that use of products containing the types of VOCs being sampled would be detrimental factors in the sampling. The signed access agreements, building surveys, and product survey forms are included in Appendix C.

The first two indoor air sampling events were conducted on March 4-5 and March 10-11, 2010. For each sampling event, one indoor air sample was collected inside each of two business offices (Sequetech and ROD-L Electronics) located in the office building at 935 Sierra Vista Avenue, and one indoor air sample was collected inside a business office (CODAR Ocean Sensors Corporation) located at 1914 Plymouth Street. A duplicate indoor air sample was collected inside ROD-L Electronics' office for quality control purposes. Trip blanks also were collected in the event that anomalous results indicated potential cross-contamination in the indoor air samples. The third sampling event was conducted on June 18-19, 2010. Due to the configuration of CODAR's work areas and office spaces, more indoor air samples were collected inside the CODAR building (1914 Plymouth Street) than at 935 Sierra Vista Avenue (Sequetech and ROD-L). Figure 3-1 shows the locations of the samples collected from Sequetech, ROD-L Electronics, CODAR Ocean Sensors Corporation, and in two business spaces located at 1924 Plymouth Street.

Indoor air sampling canisters were placed at the breathing zone level at each sampling location and samples were collected over a 24-hour period. Indoor and outdoor (ambient) air samples were collected in specially prepared 6-liter stainless steel Summa canisters prepared specifically for collecting air samples (evacuated to approximately -30 inches of mercury (in-Hg). Once the sample valve was opened, the starting time was recorded on the field sampling form. Care was taken to ensure that the valve was fully opened. Each canister was equipped with a flow controller and flow restrictor to regulate the flow of air into the canister to allow for sampling of air over a 24-hour period. Canister pressures were checked in the field prior to and after sampling using certified pressure gauges provided by the EPA Region 9 laboratory (EPA laboratory). If the initial vacuum of a canister was less than 25 in-Hg, the canister was not used. The canisters were retrieved after the 24-hour sampling period and the final pressures were checked. Final pressures were between 5 and 10 in-Hg for all canisters. The canisters were hand-delivered to the EPA laboratory, which performed analyses for the project samples by EPA Method TO-15SIM (VOCs by gas chromatography/mass spectrometry [GC/MS] Selected Ion Monitoring). Air and vapor sample collection records, with information including diagrams of the sample locations, ambient temperatures when sampling was initiated, sample identification numbers, photographs, and chain-of-custody forms are included in Appendix D.

In addition to the indoor air sampling using Summa canisters, Radiello sorbent samplers were placed at the locations selected for the indoor air sampling. The Radiello sampling was a

parallel survey that was conducted at EPA's request to evaluate how long-term sampling compares to a 24-hour sampling of indoor air. The Radiello samplers were properly assembled and placed next to the 24-hour indoor air canisters, and retrieved after a 14-day indoor air sampling period and returned to the EPA Laboratory, which arranged for laboratory analyses by Air Toxics, Ltd. Results from the Radiello samplers were not used in the evaluation of vapor intrusion at this Site because, at this time, EPA is still conducting research on types of samplers that would yield indoor air data adequately comparable to the Summa Canister results. However, sampling logs for the Radiello sampling locations are included in Appendix D.

3.6.2 Ambient Air Sampling

Ambient outdoor air samples were collected concurrently with the indoor air samples during each sampling event. The location of the ambient air sample was just outside 935-F Sierra Vista Avenue and in an upwind position relative to the building structure. Ambient outdoor air samples also were collected over a 24- hour period, but sample collection was initiated at least 30 minutes before the start of the indoor air sampling.

Ambient air samples were collected in the same type of canisters as the indoor air samples and similar field procedures and logging were conducted. The canisters used to sample the ambient outdoor air were secured with padlocks and chains and were set in unobtrusive locations. At the completion of the sampling period, the canisters were collected and hand-delivered to the EPA laboratory for the same analysis as the indoor samples. Sample collection logs and photographs of sample-collection activities are presented in Appendix D.

3.6.3 Sub-Slab Sampling

In addition to the indoor and ambient air sampling, sub-slab vapor samples were collected to measure the presence of VOCs directly beneath the buildings. Sub-slab samples were collected at the same locations where indoor air samples were collected. Sub-slab samples were taken through specially prepared sampling ports installed in holes drilled through the concrete slab foundations and collected in 1-liter canisters.

Canister pressures were checked in the field before and after sample collection following the procedures described above for the 6-liter canisters. Tubing was connected to the 1-liter canister, drawing sub-slab vapor into the canister, and the beginning sample time was recorded. A flow regulator was used to limit the vapor extraction rate to between 100 and 200 milliliters per minute in order to minimize subsurface gas flow paths. Once the vacuum in the canister had dissipated, the 1-liter canister was disconnected, and the end time was recorded. The final vacuum of the canister was between 0-5 in-Hg. After the final canister pressure had been measured, the cap was replaced.

The canisters were collected and hand-delivered to the EPA laboratory, which performed analyses by EPA Method TO-15 (VOCs by gas chromatography/mass spectrometry [GC/MS] full scan). Sample logs and photographs of sub-slab sample-collection activities are presented in Appendix D.

For the sampling events conducted in March 2010, sub-slab grab vapor samples were collected in specially prepared 1-liter stainless steel Summa canisters designed specifically for collecting vapor samples. Teflon® tubing (1/4 -inch outside diameter [OD] by 3/16-inch inside diameter [ID]) was attached to the sample port on the slab foundation and to a vacuum pump. Three tubing volumes were purged before the vapor sample was collected to ensure that stagnant air was removed from the sample tubing. A leak test was administered to assure that there was no dilution of the vapor sample collected in the canister by ambient air, which could lead to underestimation of the actual sub-slab vapor concentrations. A towel strip containing a liquid tracer was placed adjacent to the end of the tubing attached to the sample port on the slab foundation. The liquid tracer or solvent used during the first sampling event was isopropyl alcohol; hexane was used during the second sampling event. Post-sampling analysis of the canister contents indicated that leakage had occurred for both sampling events, thus the results were nullified.

To avoid the leakage problems experienced in the first two sub-slab sampling events, the procedure used to install the three sub slab soil vapor probes (1914 COD SS 02 E3, 1914 COD SS 03 E3 and 1924EXCEL SS 04 E3) for the third sampling event was modified. On June 18, 2010, an outer pilot boring (7/8 inch in diameter by 3 inches in depth) was advanced to partially penetrate the slab. Cuttings (concrete dust) were vacuumed during advancement as long as the slab was not penetrated. A 5/16-inch diameter inner hole then was drilled, with periodic vacuuming, until the concrete was penetrated (at approximately 5 to 6 inches). Drilling continued approximately 10 to 12 inches into the sub slab material to create an open cavity and prevent obstructions during sampling.

The lower end of a piece of stainless steel chromatograph grade tubing (6 to 10 inches in length) was suspended in the inner hole. A Swagelok ferrule compression fitting was used to connect the upper end of the tubing (immediately above the slab) to a Swagelok shut off valve in the off position and with an affixed upper-end cap. Non-shrinking and flowable cement was injected into place from the bottom to the top of the slab opening surrounding the tubing to become flush with the slab surface. When the installation was completed, each location was protected to prevent accidental damage to the assembly during the one day allowed for the sub-slab vapors to approach equilibrium.

To facilitate sub-slab vapor sample collection, a dedicated 167-milliliters-per-minute flow regulator (inclusive of a particulate filter) was fitted to the shut off valve attached to the sub-slab

probe, and the other end of the regulator was attached to a “T” fitting. One arm of the “T” was connected to a quick-connect fitting that was kept closed by leaving it disconnected from the matching connection on the 400-mL sampling Summa canister. The other arm of the “T” was affixed to another “T” fitting hosting a digital vacuum gauge and a 1-liter summa canister that was used for purging.

A vacuum tightness test was performed on the manifold and connections while the Swagelok valve at the sub slab probe remained in the closed position. When vacuum tightness was confirmed, the shut-off valve was opened, and purging was performed to remove approximately five (5) purge volumes of the tubing and sampling manifold, or approximately 108 milliliters (mL). Isopropyl alcohol (IPA or 2-propanol) was utilized as a leak detection compound during sampling by applying between 10 and 20 drops to a piece of cotton gauze and placing the gauze near the probe location. The quick connect fitting of the 400 mL sampling summa was then connected to the manifold, and a shroud was placed immediately to enclose the atmosphere of the probe and the entire sampling train, including all connections and the IPA gauze pad. Sub-slab vapor sampling continued until the vacuum gauge indicated that vacuum was reduced to approximately 5 in-Hg.

The flow controller limited the purging and sampling rates to between 100 and 200 milliliters per minute, which limited stripping and helped prevent ambient air from diluting the sub-slab vapor samples. During sampling, a data logging PID was used to monitor the atmosphere inside the shroud through a bulkhead fitting. The logged data (recorded at approximately 30-second intervals) was corrected to reflect isopropyl alcohol concentrations (in parts per million by volume [ppmv]) and used to evaluate the integrity of the sampling train.

During sampling, the IPA concentrations within the shroud were between approximately 45,700 and 258,000 ug/m^3 (using a correction factor of 6 from isobutylene), verifying that sufficient concentrations of IPA were present within the shroud to confirm sampling train integrity. To confirm the isopropyl alcohol atmosphere, one confirmation sample was collected from the shroud atmosphere by attaching a Tedlar bag to the effluent port of the PID during sampling. The collected shroud atmosphere sample was analyzed and had a reported IPA concentration of 120,000 ug/m^3.

The laboratory reported that the sub-slab vapor samples collected during the third event contained trace concentrations (between 6 and 9 ug/m^3) of the IPA leak detection compound. The approximate calculated average leakage rate was at or below 0.01%; therefore, no significant leakage of the sampling train occurred and the analytical results for the sub slab vapor probes are reflective of subsurface vapor conditions.

When sample collection was completed, the probes (stainless steel tubing and valves) were removed and the holes were overdrilled with a 7/8-inch-diameter bit to approximately 3 inches into the slab. Non-shrinking cement grout was placed into the hole and finished flush with the surrounding slab surface.

4.0 SUPPLEMENTAL REMEDIAL INVESTIGATION

This section discusses the data generated from the groundwater, MIPs, soil gas/vapor, and air sampling conducted as part of the supplemental RI and how these data were used in evaluating the VI pathway.

4.1 DATA ANALYSIS

Collected data were evaluated for consistency with the analytical DQOs specified in the Quality Assurance Project Plan (QAPP) (ITSI, 2010). DQOs and corrective measures implemented to address data quality issues are discussed in the following subsections.

4.1.1 Data Quality Objectives

DQOs were presented in the Work Plan (ITSI, 2010) to ensure that: (a) field sampling data and chemical/field analyses would be reliable; (b) the amount of data collected would be sufficient to meet project objectives; (c) the quality of data generated would be acceptable for its intended use; and (d) valid inferences can be drawn from the data.

To determine whether all collected data met the DQOs, laboratory data were evaluated in terms of the following data quality indicators: precision, accuracy, representativeness, comparability, and completeness (PARCC). The definitions of the PARCC parameters and their use in assessment of data are presented below.

Precision of the data is a measure of the data range when more than one measurement of the same sample has been taken. Analytical precision was evaluated by measuring the relative percent difference (RFD) between the matrix spike and matrix spike duplicate (MS/MSD) or lab sample duplicate. For the Supplemental RI, both sampling and analytical precision were evaluated by measuring the percent difference between the primary and field duplicate samples.

Accuracy is an assessment of the closeness of the measured value to the true value. Blank soil or reagent water samples were spiked with known standards, and the average recovery was established and used to assess the accuracy of chemical test results. For a matrix spike, known amounts of a standard compound identical to the compounds being measured were added to the sample. Analytical accuracy was evaluated by measuring the percent recovery of laboratory control spikes (LCS), MS/MSDs, and surrogates. Sampling accuracy was measured by checking for bias stemming from field blank contamination.

Representativeness is a measure of how closely the analytical results reflect the actual concentrations or distribution of the chemical compounds in the matrix samples. An analytical representativeness was inferred from the evaluation of accuracy, precision and completeness.

Sampling representativeness was determined by evaluating holding times, blanks, and associated field notes.

Comparability expresses the confidence with which one data set can be compared to another Data comparability was maintained by using defined sampling procedures, standard EPA analytical methods, and consistent units.

Completeness is a measure of the amount of usable data obtained from the analytical measurement system and the complete implementation of defined field procedures. Analytical and sampling completeness were reviewed and evaluated during the data review/validation process discussed in Section 4.1.3. A more detailed discussion of the data verification/validation process is presented in the Data Assessment Reports included in Appendix E of this report. The overall analytical completeness for all sampling events at the CTS Printex Superfund Site is 99 percent, which exceeds the 90 percent completeness goal for the project.

4.1.2 Analytical Methodology

The EPA CLP laboratory Liberty Analytical Corporation (Liberty) of Cary, North Carolina and the EPA Laboratory in Richmond, California provided the analytical services for the Supplemental RI. Liberty provided analytical support for water and soil samples using SOM 01.2 methodologies. The analytical scope included analysis for selected volatile organic compounds by TVOL and TVSIM. The EPA laboratory provided analytical support for air and vapor samples analyzed by EPA Methods TO-15 and TO-15SIM.

All laboratory analytical data packages from Liberty were provided as Contract Laboratory Program Level 2 deliverables with American Standard Code Information Interchange (ASCII) delimited electronic data deliverables (EDDs). All laboratory analytical data packages from the EPA laboratory were provided to ITSI in CLP-like Level 4 deliverables with ASCII delimited EDDs from the laboratory (see Appendix E). Detected target compound values above the method reporting limit (MRL) and within the acceptable calibration range were reported as determined, to not more than three significant figures. Target analytes detected below the lower calibration standard or MRL but above the method detection limit (MDL) were reported as estimated values. Appropriate data qualifiers were applied during the validation process. All data values also were recorded in an electronic database.

Full validation of indoor air data was performed by the ITSI Project Chemist to determine whether the project-specific DQOs, as defined in the associated Work Plan and Quality Assurance Project Plan (ITSI, 2010), were met. The groundwater and soil data from the laboratory underwent routine verification by the ITSI Project Chemist, and Appendix E contains the validation reports.

4.1.3 Data Verification and Validation

Data verification is defined as the systematic process of evaluating the completeness and conformance of a data package against a set of criteria. The soil and groundwater data for this project were processed through an automated Data Assessment Tool (DAT) by the CLP. DAT is a complete data assessment package that incorporates Contract Compliance Screening (CCS) and data usability reviews to provide EPA with electronic data usability and compliance reports, spreadsheets, and files within 24 to 48 hours from the receipt of data from the laboratories. These reports were combined with a routine verification performed by the ITSI Project Chemist.

Data validation is defined as the systematic process for reviewing a data package against a set of criteria to provide assurance that the dataset is adequate for its intended uses. These criteria depend upon the type(s) of data involved and the purpose(s) for which data are collected. The intended use of the data and the associated acceptance criteria for data quality were determined before the data collection efforts began. ITSI used a combination of project-specific Work Plan/QAPP criteria, method-specific criteria following EPA Compendium of Methods for the Determination of Toxic Compounds in Ambient Air (EPA, 1984), and Region 9 laboratory SOPs to validate the indoor air data. The data qualifier scheme was consistent with the EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (EPA, 2007).

All analytical data packages were subjected to either verification or validation, as outlined above, to ensure compliance with specified analytical methods, QA/QC requirements, data reduction procedures, data reporting requirements, and the specified accuracy, precision, and completeness criteria. Input to either verification or validation included the following:

- Sample preservation (as applicable) and holding times;
- Instrument performance checks;
- Calibrations (initial and continuing);
- Blanks (field and method);
- MS/MSD;
- Laboratory and field sample duplicates;
- Surrogates (for organic parameters);
- Laboratory control samples;
- Internal standards and retention times (for GC/MS); and
- Quantitative verification (5 percent minimum per matrix).

Analytical results were assessed to establish the accuracy and precision of laboratory analysis, and to determine the quality of data and any limitations. The results reported for samples

collected in support of the Supplemental RI sampling activities are considered acceptable unless a result was rejected ("R") during the validation process. Results qualified "J" or "UJ" are considered acceptable as estimated with noted definitions.

There were 222 rejected field sample results. Of the rejected results, 204 were rejected due to the availability of more technically valid data. However, these rejected results do not affect the completeness of the data set. A total of 18 results out of 2,080 primary results (52 results for each of 40 field samples) were rejected due to QC issues and should not be used for decision-making purposes. A total of 116 results were qualified as estimated ("J") and 89 results were qualified as non-detect ("U") at the reporting limit (RL). The data validation details are presented in Appendix E.

Full data validation of the indoor air samples revealed a discrepancy between the field sample identification/canister number combinations recorded on the sample collection log and those reported by the laboratory for field sample IDs 935OA-01-E2 and 935IA-01-E2. Comparison of the data to the previous round of data confirmed the combinations as recorded on the sample collection log to be correct. Data were reported accordingly. A total of 27 results were qualified as estimated, "J", or non-detected at an estimated detection limit "UJ." No results for air (indoor or ambient) samples were rejected.

4.2 RESULTS OF MIP SAMPLING

A total of ten MIP borings were drilled in January and February 2010 to further assess the VOC plume around well 17W. As introduced in Section 3.2, MIP technology uses three types of detectors to monitor for the presence of organic compounds; ECD, PID, and FID detectors. Most, if not all, halogenated VOCs cause a detection response on the ECD, but only some cause a detection response on the PID. TCE produces a detection response on both the ECD and PID probes. Positive ECD responses correspond to the detection of one or more chlorinated VOC, collectively referred to as total volatile organic compounds (TVOC), and the relative ECD responses directly correlate with relative concentrations of TVOC.

Responses from these detectors, coupled with measurements from the electrical conductivity (EC) detector were depicted in a 3-D interactive visualization model and associated 2-D fence diagram projections to help interpret the correlations between lithology and contaminant distribution. Figure 4-1 depicts the MIP study area, the location of MIP borings, and the layout of 2-D fence diagram sections through the study area. Figures 4-2 and 4-3 are enhanced diagrammatic fence diagrams depicting the interpretive lithology and ECD response in the MIPs study area based upon modeled EC and ECD logs, as explained below. MIPs boring logs, physical properties of soils at the Site, and representative photos of MIPs sampling locations are included in Appendix A. The report prepared by the drilling subcontractor, Vironex Inc., is

presented in Appendix A, and includes details on the detectors used and the results of the MIP investigation.

4.2.1 Electrical Conductivity (EC) and Implied Lithology

Electrical conductivity (EC) response generally correlates with sediment clast size. Coarser grained sediments, such as sands and gravels, generally have a lower EC signal whereas fine-grained sediments, such as silts and clays, generally show a higher EC signal. Normally, ECD, PID or FID detector responses in fine-grained sediments may suggest contamination adsorbed to the soil that may act as a secondary source to groundwater, or may suggest a leaky aquitard. Detection responses in the coarse grained soil suggest contamination principally in the vapor phase (vadose zone) or dissolved phase (saturated zone), although a portion may be adsorbed to sediment.

Fine-grained sediments (silts and clays) on Figure 4-2 and 4-3 are represented by a dark brown hashed pattern, and coarse-grained sediments (sands and gravels) are represented by an open stippled pattern. The presence of TVOCs in both soil and groundwater are represented as a spectrum of blue (ECD response below $5x10^{+5}$ microvolts (uV)), to green, to yellow (ECD response above $2x10^{+6}$ uV). Due to the nature of the 3-D model, and for the sake of clarity in displaying the results in 2-D fence diagram projections, the TVOCs are depicted as occurring primarily in the coarse-grained sediments, and the highest TVOC (corresponding to an ECD response of around $6x10^{+6}$ uV in MIPs boring 4-1) was associated with coarse-grained sediments. However, elevated TVOCs (corresponding to ECD responses greater than $1x10^{+6}$ uV) were reported in borings associated with fine-grained sediments, and the 2D fence diagrams are not intended to represent the absence of TVOCs in fine-grained sediments.

Conductivity logs suggest the presence of predominately coarse-grained sediments in the vadose zone from a depth of about 2 to 8 feet bgs in the MIPs borings, with evidence of interbedded fine-grained sediments in several of the borings (e.g. MIP borings 2-1, 4, 4-1, 4-3 and 4-4 included in the fence diagrams of Figures 4-2 and 4-3). The vadose zone appears to be underlain by predominately fine-grained sediments to a depth of about 16 to 17 feet bgs in the borings at the northern (MIPs boring 4-4) and southern (MIPs boring 2-1 and 3-1) portions of the MIPs investigation, but coarse-grained sediments predominate in this depth interval in the central portion (around MIPs borings 4-1, 4-2 and 4-3).

Detected TVOC contaminants, as evident from the ECD response in Figure 4-3, are present throughout most of the coarse-grained sediments especially as depicted by the yellow to green zone extending laterally at a depth of around 15 feet bgs from MIP boring 4 to 4-3, centering around MIP boring 4-1. Positive ECD response in MIP boring 3-1 (Figure 4-2) at this depth interval extends laterally and vertically into areas of apparent finer-grained sediments near MIP boring 2-1. This suggests the finer-grained sediments may contain undifferentiated interbedded

layers of coarser-grained sediments in hydraulic connectivity with the larger mass of coarse-grained sediments.

A relatively continuous layer of fine-grained sediments appears to underlie the MIPs study area ranging in depth from around 17 feet to around 27 feet bgs, with evidence of interbedded coarse-grained sediments in several borings in the central portion (especially around MIP 4-1 in Figure 4-3, and around MIP borings 3 and 4-2 in Figure 4-2). This interpretation is supported by the boring log for well 17W, which indicates the presence of interbedded 1 to 2-foot layers of coarse-grained sediments and fine-grained sediments at depths between 14 and 20 feet bgs, underlain by a 12-foot thick silty gravel layer from 20 feet to 32 feet bgs.

A relatively continuous layer of course-grained sediments appears to underlie the MIPs study area ranging in depth from around 27 feet to around 30 feet bgs (MIPs borings 4-1 on Figure 4-3; and borings 4-3 and 4-4 on Figure 4-2). A layer of fine-grained sediments appears to underlie this layer, ranging in depth from around 30 feet to around 40 feet bgs, with interbedded coarse-grained sediments in the central to southern portion of the MIP investigation area (around MIPs borings 3 and 3-1 on Figure 4-2). These interbedded course-grained sediments also appear to contain contaminants in the area of MIP boring 3-1 (Figure 4-2), suggesting hydraulic connectivity with the overlying course-grained sediments.

4.2.2 Electron Capture Detector (ECD) Response and Implied Presence and Distribution of Contaminants with Depth

The detection of TVOCs as depicted by ECD responses revealed the following general distribution pattern in the vadose zone (to 9 feet bgs) and the saturated zone (9 feet bgs and deeper).

Vadose-Zone

Positive ECD responses in MIP borings 2-1 and 4-4 between 2 to 6-foot bgs depth interval suggest the presence of vapor phase TVOC in the vadose-zone. The strength of the ECD responses in the vadose zone from these borings was higher than the immediately underlying soils or shallow groundwater. In the case of MIP boring 4-4, the vadose zone response was significantly greater than any responses from the saturated zone, suggesting the soil gas TVOC may be related to another source(s), and not suggestive of a local contaminant source in the shallow soils at these two locations. No other MIPs boring showed any significant response in the vadose-zone soils as would be expected if contaminants were present in the shallow soil.

A vadose zone soil gas sample was collected at MIP-4-4, located just to the north of the building at 935 Sierra Vista Avenue (see Figure 2-2). The soil gas sample was collected at a depth of 3 feet bgs. VOCs detected in the soil gas were 2-propanol (50 $\mu g/m^3$), toluene (90 $\mu g/m^3$), ethylbenzene (20 $\mu g/m^3$), total xylenes (110 $\mu g/m^3$), PCE (70 $\mu g/m^3$), acetaldehyde (400 $\mu g/m^3$),

methyl butane (300 µg/m^3), isobutene (300 µg/m^3), pentane (300 µg/m^3), hexafluoroethene (15,000 µg/m^3), and total hydrocarbons (4,500 µg/m^3). These compounds are not currently present in shallow groundwater at the Site, and therefore the VOCs detected in the soil gas sample are not attributable to a vapor intrusion pathway from shallow groundwater.

Soil and Groundwater

The results of the MIP borings suggest the highest concentrations of TVOC occur at around 17 feet bgs in the area around MIP boring 4-1 (see Figure 4-3) where it appears to be laterally extensive at this depth, but relatively confined laterally by fine-grained sediments.

Figure 4-2 provides a good perspective on the discontinuous nature of the fine-grained sediments in the central to southern portion of the MIPs study area. The suggested presence of TVOCs can be seen progressively deeper in a series of interbedded coarse-grained sediments within the fine-grained sediments. This "leaky aquitard" concept explains the vertical migration of TVOCs from the A zone groundwater zone into the B zone groundwater zone along its downgradient migration path.

The A zone groundwater was originally designated as occurring at a depth between 10 and 20 feet bgs, with the B zone groundwater occurring from a depth of between 30 to 40 feet bgs. These two units together comprised the "upper water-bearing zone" as identified in the ROD (EPA, 1991). Based on the results of the MIP investigation, the A zone in this area should be considered to extend to about 26 feet and include intervals of interbedded coarse-grained and fine-grained sediments, and the B zone should be considered to extend from a depth of around 27 feet to around 40 feet bgs in the area of 17W. The results of the MIPs investigation suggest that the two zones be considered hydraulically connected, and the areas of interconnectivity around 17W contain significant residual TVOCs.

4.3 RESULTS OF GROUNDWATER SAMPLING

Contamination in the shallow groundwater at the Site is associated with the A zone (10 to 20 feet bgs) and the B zone (30 to 40 feet bgs). While a layer of finer grained soils generally is present between the two zones, the A and B zones are suspected of being hydraulically connected in the area of well 17W. Based on the boring log for well 17W, the water table in this area is at approximately 10 feet bgs. Direct-push borings advanced as part of a 2003 investigation at 1914 Plymouth (occupied by CODAR) found groundwater at 7.5 to 11 feet bgs (AEI, 2003). Recent depth-to-water measurements in shallow wells (included in Appendix B) have been from 5.5 to 9 feet bgs, suggesting that groundwater may be locally confined.

4.3.1 Analytical Results from Groundwater Samples

The analytical results for the groundwater samples collected during the Supplemental RI are presented in Table 4-1. Samples from 16 groundwater monitoring wells, 21 temporary wells, along with 5 duplicate samples were analyzed for volatiles by EPA Method TVOL and TVSIM.

Chemicals of concern (COCs) as established in the ROD (EPA, 1991) or chemicals detected at concentrations above the Federal or California MCL, whichever is lower, are discussed below. The following chemicals of concern from the ROD were not detected or were detected only at concentrations below the applicable MCL and are not discussed further: 1,1,1-TCA, 1,2-DCA, benzene, chloroform, methylene chloride, PCE, and toluene.

Trichloroethene (MCL is 5 ug/L)

TCE was detected at concentrations above its MCL in groundwater from 10 of the 16 groundwater monitoring wells, with the highest concentration of 79 ug/L in groundwater sampled from well 17W. Seven A zone wells (7W, 12W, 17W, 20W, 23W, 33W, and 34W) had TCE at concentrations above the MCL, ranging from 6.2 ug/L to 79 ug/L (see Figure 4-4), and three B zone wells (11W, 14W, and 22W) had TCE concentrations above the MCL, ranging from 7.9 ug/L to 19 ug/L (Figure 4-5). Two grab groundwater samples (MIP-4 and MIP-4-1) collected in the vicinity of well 17W had concentrations of 53 ug/L and 38 ug/L, respectively. TCE concentrations in both the monitoring wells and the temporary wells were used to estimate the extent of the TCE plume as shown on Figure 4-4 for the A zone and Figure 4-5 for the B zone.

1,1-Dichloroethane (MCL is 5 ug/L)

1,1-DCA was detected at concentrations above its MCL in groundwater from 2 of the 16 groundwater monitoring wells, with the highest concentration (31 ug/L) reported in well 17W. Well 17W is in the A zone, while 11W is screened in the B zone. Two grab groundwater samples (MIP-4 at 9.3 ug/L and MIP-4-1at 8.7 ug/L) located in the vicinity of well 17W also had 1,1-DCA concentrations that exceeded the MCL. The 1,1-DCA concentration in one B zone well 23W, located in the downgradient portion of the plume, was 4.8 ug/L, just below the MCL criterion. 1,1-DCA concentrations in the temporary wells and monitoring wells suggest that the extent of 1,1-DCA at concentrations above the MCL is within the TCE plume shown on Figures 4-4 and 4-5 for the A zone and B zone, respectively. As with TCE, the higher 1,1-DCA concentrations are associated with the residual contaminant mass located in the area of well 17W (Figure 4-4).

1,1-Dichloroethene (MCL is 6 ug/L)

1,1-DCE was detected at a concentration above the MCL only in one A zone monitoring well, 17W, which had a concentration of 31 ug/L (Figure 4-4). One grab groundwater sample from the A zone at MIP-4 in the vicinity of well 17W, had a 1,1-DCE concentration of 7.0 ug/L, which is above the MCL. These data indicate that the extent of 1,1-DCE at concentrations above the MCL is associated with the area of residual contaminant mass in the vicinity of well 17W.

trans-1,2-Dichloroethene (MCL is 10 ug/L)

Only A zone well 17W showed trans-1,2-DCE concentrations in groundwater above the MCL, with a detected concentration of 11 ug/L. This indicates that the extent of trans-1,2-DCE at concentrations above the MCL is associated with the area of residual contaminant mass in the vicinity of well 17W.

cis-1,2-Dichloroethene (MCL is 6 ug/L)

Four monitoring wells, consisting of three A zone wells (17W, 23W, and 33W) and one B zone well (11W), had cis-1,2-DCE concentrations in groundwater above the MCL. The highest concentration (330 ug/L) was detected in groundwater from well 17W. The highest cis-1,2-DCE concentration in the B zone (well 22W) was 40 ug/L. Grab groundwater samples from MIP-4 and MIP-4-1, located in the vicinity of well 17W, had cis-1,2-DCE concentrations of 95 ug/L and 46 ug/L, respectively. For groundwater from one A zone temporary monitoring well (TW5-S1 located in Plymouth Street west of well 11W), the reported cis-1,2-DCE concentration was 7.3 ug/L. The estimated extent of cis-1,2-DCE at concentrations exceeding the MCL is within the estimated extent of the TCE plume shown on Figures 4-4 and 4-5 for the A zone and B zone, respectively. Like TCE and other COCs, the higher cis-1,2-DCE concentrations are associated with the residual contaminant mass located in the area of well 17W.

Vinyl Chloride (MCL is 0.5 ug/L)

Vinyl chloride was not detected at concentrations above its MCL in any of the groundwater samples collected (monitoring wells, grab groundwater, and temporary wells). The highest concentration of vinyl chloride was 0.24 ug/L ("J") for groundwater from well 17W. Vinyl chloride was not detected, or was detected at concentrations approximately an order of magnitude less than its MCL, in all other groundwater samples.

In summary, TCE, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, and trans-1,2-DCE were the only VOCs detected in the groundwater samples that exceeded the corresponding cleanup levels or MCL. While cis-1,2-DCE and vinyl chloride were not identified as groundwater COCs in the ROD (EPA, 1991), these chemicals were discussed above because they may be daughter products of TCE (discussed further in Section 4.7.1). The estimated extent of TCE-impacted groundwater in the A and B zones (shown on Figures 4-4 and 4-5, respectively) includes the extent of the other COCs. The highest COC concentrations are associated with the area in the vicinity of well 17W with residual contaminant mass. While well l7W is grouped with the A zone wells, the bottom portion of the screen interval for 17W is set above the top of the B zone depth.

Figures 4-4 and 4-5 show the more recent A Zone and B Zone groundwater plumes. The boundaries of the depicted plumes are defined by the estimated extent of TCE concentrations at 5 ug/L, the groundwater cleanup goal. Based on simulations with the JEM predictive model, a screening concentration of 10 ug/L of TCE in groundwater should be protective to human health risk from vapor intrusion. Therefore, plume boundaries based on 10 ug/liter of TCE are also

shown for the more recent A zone and B zone groundwater plumes on Figures 4-4 and 4-5, respectively.

4.4 RESULTS OF INDOOR AIR SAMPLING

Table 4-2 presents the results of the indoor air sampling conducted on March 5-6, March 11-12, and June 18-19, 2010. The ambient temperatures when sampling was started and ended are also listed. Also included in Table 4-2 are EPA's RSLs (November 2010 update located at: http://www.epa.gov/region9/superfund/prg/), which were used to evaluate the results for the indoor air sampling. No detectable concentrations of vinyl chloride, 1,1-DCE, trans-1, 2-DCE or 1,1-DCA were reported for any indoor air samples from the buildings sampled during the 2010 sampling events.

Results for the Radiello sorbent samples tested at 935 Sierra Vista Avenue were consistent with the results obtained using the Summa canisters. Results for indoor air samples collected using the Radiello samples were used only to validate the results from the Summa canisters, and were not added to the data set used to evaluate vapor intrusion at the Site. However, the consistency of data by the two different methodologies may provide additional defensibility to the indoor air data. Radiello sampling to assess indoor air quality was also completed by EPA for several residential units at 917 Sierra Vista Avenue (see Table 4-2). The results indicated COC concentrations were below the RSLs or not due to vapor intrusion from shallow groundwater.

935-C Sierra Vista Avenue (Sequetech)

While methylene chloride, benzene, chloroform, 1,1,1-TCA, 1,2-DCA, TCE, toluene, and PCE were detected in indoor air at 935-C Sierra Vista Avenue, all detected concentrations were below the EPA's RSLs for commercial buildings. Benzene and chloroform were the only chemicals reported in the indoor at concentrations above EPA's RSLs for residential buildings. Because benzene was detected at similar concentrations in outdoor (ambient) air, the source of the benzene in indoor air is attributable to outdoor air. Municipal water or household products could be sources of chloroform. Evaluation for methylene chloride with active operation of the mechanical ventilation system relies on results from the second sampling event because the sample from the first sampling event were "J" qualified at a value several orders of magnitude higher than the normal reporting limit. Results for the third sampling event, when the HVAC system was turned off, showed little to no change relative to the previous sampling events, with some COCs reported at slightly higher concentrations.

935-A Sierra Vista Avenue (ROD-L Electronics)

Methylene chloride, benzene, and chloroform concentrations in indoor air at 935-C Sierra Vista Avenue were slightly higher than the acceptable levels for residential buildings, but lower than acceptable levels for commercial buildings. Other chemicals detected in indoor air at concentrations below residential and commercial RSLs were 1,1,1-TCA, 1,2-DCA, TCE, and toluene. Because methylene chloride was not detected in groundwater, household or commercial

products that contain methylene chloride (e.g., paint strippers and some aerosol and pesticide products) are likely sources of methylene chloride in the indoor air. Because benzene was detected at similar concentrations in outdoor (ambient) air, the source of the benzene in indoor air is attributable to outdoor air. Municipal water or household products could be sources of chloroform. When the HVAC system was turned on, indoor air concentrations were only slightly higher.

1924 Plymouth Street (EXCEL Pool Supply)

While methylene chloride, benzene, chloroform, 1,2-DCA, TCE, and toluene were detected in indoor air at 1924 Plymouth Street, all concentrations were lower than EPA's RSLs for commercial buildings. Benzene and chloroform concentrations were the only chemicals in the indoor at concentrations above EPA's RSLs for residential buildings. Because benzene was detected at similar concentrations in outdoor (ambient) air, the source of the benzene in indoor air is attributable to outdoor air. Municipal water or household products could be sources of chloroform.

1914 Plymouth Street (CODAR)

While methylene chloride, benzene, chloroform, 1,1,1-TCA, 1,2-DCA, TCE, toluene, and PCE were detected in indoor air at 1914 Plymouth Avenue, the detected concentrations were lower than EPA's RSLs for commercial buildings. Benzene and chloroform concentrations were the only chemicals in the indoor at concentrations above EPA's RSLs for residential buildings. Because benzene was detected at similar concentrations in outdoor (ambient) air, the source of the benzene in indoor air is attributable to outdoor air. Municipal water or household products could be sources of chloroform. When the HVAC system was turned off, indoor air levels showed only a very slight change, if at all.

In summary, concentrations of all analytes in all of the indoor air samples collected for the buildings on Sierra Vista Avenue and Plymouth Street were below EPA's RSLs for commercial buildings. In consideration of ambient air concentrations and groundwater concentrations in the vicinity of these buildings, vapor intrusion is not the source of indoor air concentrations that exceed the EPA's RSLs for residential buildings.

4.5 SUB-SLAB VAPOR SAMPLING

The results for sub-slab vapor samples collected during the first two Supplemental RI sampling events could not be used as indicators of the potential intrusion of vapors from beneath the building slabs because of leakage problems during these sampling events. The first sampling event used isopropyl alcohol (IPA) as the liquid tracer for leak detection. Upon being informed by the EPA laboratory that leakage of IPA was noted, ITSI conducted the second sampling event using hexane as the liquid tracer. This event also proved unsuccessful due to a similar leakage problem. Nevertheless, ITSI requested that the EPA laboratory analyze the second set of grab

sub-slab samples to determine if vapors were present in the sub-slab. The analyses reported high concentrations of TCE (i.e., 4,500 ug/m^3) in the sub-slab sample from 1914 Plymouth Street. The leakage problem, however, made the data unsuitable for use in evaluating health risk. The data may be used as building-specific information about the attenuation of VOC concentrations if it is determined that migration occurs from beneath the building to the indoor air.

As reported in Section 4.4 above, the measured indoor air concentrations of TCE from the two sampling events inside the building at 1914 Plymouth Street do not exceed EPA's RSLs for residential and commercial buildings. The calculated attenuation factor (AF) based on the sub-slab vapor and indoor air TCE concentrations is 0.0002 (it should be noted that this value is biased due to the sub-slab sample leakage). This qualified, calculated AF is lower than the range of 0.001 to 0.1 that EPA recommends for estimating indoor air levels based on sub-slab data, and this may be due to the leakage during sub-slab sampling. Based on what was actually measured in the indoor air at 1914 Plymouth Street, the conclusion is that there is no significant current health risk to building occupants due to vapor intrusion. However, the data for sub-slab vapor concentrations could suggest a potential for vapor intrusion if existing building slab or Site conditions were different from current conditions.

In June 2010, sub-slab sampling was conducted simultaneously with the indoor air sampling and under the same conditions, i.e., with the HVAC system turned off. The locations and results of the sub-slab vapor sampling are presented in Table 4-3. One sub-slab sample was collected in the work area inside 1914 Plymouth Street at the same location that was sampled previously. A second sub-slab sample was collected in the warehouse area of 1914 Plymouth Street that had been the Former Olds Printing area. VOCs detected in the sub-slab sample in the work area were 1,1-DCA (30 ug/m^3), 1,1,1-TCA (3,000 ug/m^3), TCE (6,800 ug/m^3), and PCE (20 ug/m^3). The sub-slab sample from the warehouse area had detected concentrations of 1,1,1-TCA (900 ug/m^3), TCE (2,900 ug/m^3), and PCE (30 ug/m^3).

Applying a default attenuation factor of 0.1, the predicted indoor air concentration in the work area for 1,1-DCA (3 µg/m^3) would be lower than EPA's RSL for commercial buildings (7.7 ug/m^3), but higher than EPA's RSL for residential buildings (1.5 ug/m^3). The predicted concentrations for 1,1,1-TCA (300 ug/m^3 in the work area and 90 ug/m^3 in the warehouse) would be lower than EPA's RSLs for both commercial (22,000 ug/m^3) and residential (5,200 ug/m^3) buildings. Predicted concentrations of TCE (680 ug/m^3 in the work area and 290 ug/m^3 in the warehouse) would be higher than EPA's RSLs for commercial and residential buildings of 6.1 ug/m^3 and 1.2 ug/m^3, respectively. Predicted concentrations of PCE (2 ug/m^3 in the work area and 3 ug/m^3 in the warehouse) would also be higher than EPA's RSLs for both commercial and residential buildings (2.1 ug/m^3) and 0.41 ug/m^3, respectively).

VOCs detected in the sub-slab vapor samples collected at 1924 Plymouth Street were 1,1-DCE (40 ug/m^3), chloroform (30 ug/m^3), 1,1,1-TCA (1,400 ug/m^3), TCE (8,500 ug/m^3), PCE (40 ug/m^3), and toluene (6 ug/m^3). Benzene and 1,1-DCA had estimated levels in the sub-slab vapor samples at 4 and 7 ug/m^3, respectively.

If a default attenuation factor of 0.1 is applied, the predicted indoor air concentration of 1,1-DCE (4 ug/m^3), 1,1,1-TCA (140 ug/m^3), and toluene (0.6 ug/m^3) would be lower than the EPA's RSLs for commercial buildings and residential buildings. The predicted concentrations for chloroform (3 ug/m^3), TCE (850 ug/m^3), and PCE (4 ug/m^3) would be higher than their corresponding EPA RSLs for commercial and residential buildings. As these buildings are located downgradient of the former CTS Printex manufacturing facility, volatilization from groundwater is a likely source of the vapor concentrations in the sub-slab areas of these existing buildings. Until shallow groundwater concentrations are suitably reduced, volatilization of COCs from shallow groundwater could be a potential issue for future buildings.

4.6 CONTAMINANT FATE AND TRANSPORT

The COCs at the Site that currently exceed their respective cleanup levels are all in the class of compounds known as chlorinated aliphatic hydrocarbons (CAHs). When released to groundwater, these chlorinated aliphatic hydrocarbons may be present:

- Sorbed onto soil particles in both the vadose (unsaturated) and saturated zones;
- In soil gas in the vadose zone (the CAHs are volatile);
- As an aqueous dissolved-phase liquid; and/or
- As a non-aqueous phase liquid (NAPL).

Based on the findings of the supplemental investigation, the CAHs at the Site are likely presently sorbed to the saturated soils (especially in the vicinity of well 17W), in soil gas in the vadose zone, and as aqueous dissolved-phase liquids. Of these, the aqueous dissolved-phase liquid would account for the greatest mobility of the contaminants through the environment, and would heavily influence the presence of chlorinated aliphatic hydrocarbons in soil gas in equilibrium with A zone groundwater. There is no direct evidence to suggest the presence of NAPL.

As the dominant mechanism influencing the mobility of the chlorinated aliphatic hydrocarbons, the fate and transport of these chemicals in groundwater is influenced by physical processes (advective transport, sorption [adsorption and desorption], volatilization, dispersion and diffusion) and by biological and chemical transformations. These influencing factors are discussed below in the order in which they are likely contributing to the overall fate and transport of the chlorinated aliphatic hydrocarbons at the Site. Together these factors contribute to the generally declining trends in TCE.

4.6.1 Physical Processes

Physical processes in groundwater influencing the fate and transport of VOCs include advective transport in groundwater, sorption, volatilization, dispersion and diffusion.

4.6.1.1 Advective Transport

Advective transport refers to the transport of chemicals (solutes) by the bulk movement of groundwater. Advection is the most important process driving the downgradient migration of dissolved contaminants in groundwater (Wiedemeier et. al, 1999). The estimated advective flow rate of groundwater at the Site ranged from less than 1 to approximately 30 feet per day (ATT, 1991), based on hydraulic conductivity (K) estimates of 60 to 440 feet/day developed from pumping tests performed for both the A and B Zones at the Site (ATT, 1991).

Advective transport would be the dominant process contributing to the plume expansion following the shutdown of groundwater extraction. Although the magnitude of this process is likely less than is implied by the estimates above from ATT (1989), the effects of the process are apparent on the elongation and downgradient movement of the TCE plume in the B zone with time (ITSI, 2011b).

4.6.1.2 Sorption

Many organic contaminants, including the chlorinated aliphatic hydrocarbons present at the Site, can be removed from the dissolved phase in groundwater by sorption onto the soil matrix. This partitioning from the dissolved phase to the solid phase results in the slowing (retardation) of contaminant migration relative to groundwater flow[1].

Two components of an aquifer that have the greatest effect on sorption are clay minerals and organic matter. The presence of fine-grained sediments, including clays, in the A and B zones at the Site, as well as the likely presence of organic matter due to the shallow nature of the groundwater, contribute to sorption of the contaminants onto the aquifer materials.
Sorption is a reversible reaction, and at a given dissolved concentration some portion of the contaminant is adsorbing to the aquifer materials while some is also desorbing into the dissolved phase. As the concentration of a contaminant changes, the relative amount of contaminant that is adsorbing and desorbing will also change. Desorption is likely contributing to the relatively slow rate of decline in contaminant concentrations in the plumes since the initial rebound after the extraction system was shut down. Sorption does not permanently remove contaminant mass, rather it simply retards the transport and can result in a slow release to groundwater from fine-grained aquifer materials with time, which is generally consistent with contaminant concentration trends in groundwater at the Site.

[1] Several mechanisms contribute to sorption, including London-van der Waals forces, Coulomb forces, hydrogen bonding, ligand exchange, chemisorption (covalent bonding between chemical and soil matrix), dipole-dipole forces, dipole-induced dipole forces, and hydrophobic forces (Wiedemeier et al, 1999).

An example of sorption may be the residual mass of contaminant present just north of monitoring well 17W, in the area of MIPs borings 4 and 4-1 (Figure 4-3). Located just north of an extraction well, this residual mass was apparently never fully removed by groundwater extraction, likely due to a combination of its depth between the A and B zones (and thus likely outside the main groundwater flow paths) and strong adsorption to the aquifer materials. With likely fewer pore water exchanges during active groundwater extraction, less groundwater would have moved through the aquifer in this area, resulting in less desorption than in areas more directly within the flow paths established by groundwater extraction.

4.6.1.3 Volatilization

Volatilization is a process that can transfer VOCs from the shallow groundwater water table into the overlying vadose zone soil gas. Factors affecting the volatilization of contaminants from groundwater to soil gas in the vadose zone include the contaminant concentration, temperature of the water, Henry's law constant[2] for the contaminant, and diffusion and mass transport coefficients for the contaminant in both water and soil gas.

Due to volatilization, unconfined groundwater impacted with VOCs can result in a potential vapor intrusion risk. Volatilization occurs at the capillary fringe associated with the interface of the water table and the vadose zone. Therefore, the potential for volatilization from groundwater depends upon the concentration of contaminants at this interface, and a detailed understanding of the vertical distribution of contaminants is thus important to an assessment of potential risk associated with the volatilization of contaminants into overlying soil gas, and the subsequent potential for vapor intrusion into buildings.

Recent sub-slab sampling of several buildings within the footprint of the Site plume identified the presence of TCE in soil gas. To evaluate whether the historical or current concentrations of TCE in the shallow ground water plume could account for the concentrations reported in the sub-slab soil gas, the concentration of TCE in soil gas in direct equilibrium with groundwater was estimated using the following formula[3]:

$$C_g = (H)(C_w)$$

with:

Cg = soil gas concentration (in µg/L)

[2] Henry's law governs partitioning of a contaminant between groundwater and soil gas, and the Henry's law constant (H) at a given temperature determined the tendency for a given contaminant to volatize from groundwater into the soil gas.
[3] The formula for the equilibrium relationship between soil vapor and groundwater concentrations was obtained from the *Users Guide for Evaluating Subsurface Vapor Intrusion into Buildings*, published in 2004 by EPA as a companion to the Johnson and Ettinger (J&E) model for estimating subsurface vapor intrusion into buildings (EPA, 2004).

Cw = groundwater concentration (in µg/L)
H = Henry's law coefficient (dimensionless)

Using the maximum historical concentration of TCE in shallow groundwater in the portion of the plume near the buildings where the sub-slab soil gas samples were collected, the "theoretical" soil vapor concentrations present at equilibrium with the maximum historical groundwater concentrations can be calculated using the appropriate Henry's law constant.

The Henry's Law constant (H) for TCE, 0.421, was obtained from Appendix C of the Users Guide for Evaluating Subsurface Vapor Intrusion into Buildings (EPA, 2004). The dimensionless Henry's Law constants (H) for the target VOCs are for water at a temperature of 25°C, a reasonable approximation for the ambient temperatures encountered in the subsurface at the site.

Based on the current groundwater concentrations of TCE in the area of the buildings, as shown on Figure 4-4, the "expected" soil gas concentrations in equilibrium with A zone groundwater is estimated below. Using an input of 15 ug/L TCE in shallow groundwater (as reported for monitoring well 12W), soil gas in equilibrium with the shallow groundwater would have a TCE concentration of 6.32 ug/L (or 6,320 ug/m^3).

$$C_g = (H)(C_w) = (0.421)(15) = 6.32$$

Using the same equilibrium formula, a theoretical TCE soil vapor concentration based on the historical maximum TCE concentration in the area of the buildings of 1,000 ug/L in the mid-1980s, soil gas concentration in equilibrium with A zone groundwater would be 421 ug/L (or 421,000 ug/m^3).

Recent sub-slab sampling of three buildings in the area reported TCE soil gas concentrations ranging to around 8,500 ug/m^3. Based on the above evaluation, these results are consistent with historical and recent TCE concentrations in the shallow groundwater in the area of the buildings sampled.

The transfer of contaminants from the shallow groundwater into the overlying soil gas will contribute to a reduction in mass of contaminants in groundwater over time, subject to the limits of equilibrium conditions and the loss of contaminants from the soil gas into the atmosphere.

4.6.1.4 Dispersion and Diffusion

Hydrodynamic dispersion is the process whereby a contaminant plume spreads out from the main direction of groundwater flow. Dispersion results in reduced contaminant concentrations as the plume migrates with groundwater flow. Two different processes cause dispersion,

mechanical dispersion and molecular diffusion (Walton, 1991). Mechanical dispersion is the dominant mechanism causing hydrodynamic dispersion at normal groundwater velocities, and occurs due to local variations in groundwater velocity[4]. Molecular diffusion occurs due to concentration gradients, causing solutes to migrate from zones of higher concentrations to zones of lower concentrations.

Another form of dispersion recognized in a fractured rock flow environment is matrix diffusion (Rasilainen, 1997). This process involves the diffusion of the contaminant into stagnant pore water in microfractures along the main groundwater flow path. This process also increases the surface area exposed to the contaminant, which may further retard contaminant flow, depending on the specific properties of the contaminant. Although principally associated with fractured rock, this process might also occur in settings with preferred flow paths consisting of coarse-grained sediments confined on one or more sides with fractured, fine-grained sediments.

4.7 BIOLOGICAL (BIOTIC) AND CHEMICAL (ABIOTIC) TRANSFORMATIONS

Chlorinated aliphatic hydrocarbons are subject to both biotic and abiotic transformations, with the resulting formation of other chlorinated and non-chlorinated products commonly referred to as “daughter products”. The expected dominant transformation mechanism for the chlorinated aliphatic hydrocarbons at the Site would be biotic, occurring under both aerobic and anaerobic conditions, but at least one of the chlorinated aliphatic hydrocarbons at the Site is subject to abiotic transformation.

4.7.1 Biotic Transformations

Chlorinated aliphatic hydrocarbons can be transformed through microorganisms under both aerobic and anaerobic conditions. In groundwater, chlorinated aliphatic hydrocarbons are most often subject to reductive dechlorination under anaerobic conditions, such as the sequential reaction shown below:

$$TCE \rightarrow DCE \rightarrow VC \rightarrow Ethene$$

In the above transformation, DCE can include 1,1-DCE, cis-1,2-DCE and trans-1,2-DCE, although the most common by-product is cis-1,2-DCE (McCarty, 1996). Such reductive dechlorination can occur as either direct or co-metabolic reactions[5], such as the reductive dechlorination of chlorinated ethenes. Historical data for monitoring well 39W provide an example that may indicate reductive dechlorination occurring at the Site. At this location, from 1992 to 1997, TCE concentrations were slowly decreasing while 1,2-DCE concentrations were

[4] Factors influencing mechanical dispersion are variations in pore size, tortuosity or the flow path length associated with groundwater movement through the soil pores, and variable friction within the soil pores.
[5] A transformation brought by microbial enzymes that the microorganism is using for other purposes.

slowly increasing, resulting in a decreasing TCE/1,2-DCE ratio, generally suggestive of the occurrence of biotic transformation.

Reductive dechlorination of the more chlorinated compounds (PCE and TCE) occurs more readily than the less chlorinated compounds (DCE and VC), thus DCE and VC may accumulate in anaerobic environments (EPA, 2000). This appears consistent with conditions at the Site, where 1,2-DCE is currently reported in more groundwater samples collected in 2010 than TCE, and only very low levels of VC are reported.

Less efficient is the biotic transformation of TCE under aerobic conditions. These biotic transformations are generally co-metabolic. An example is the oxidation of TCE under aerobic conditions by methanotrophs that utilize oxygen as the electron acceptor and methane as the electron donor with TCE degradation by the same enzyme resulting in methane oxidation. Groundwater parameters collected during purging and sampling in 2010 generally indicate very low oxygen levels in the groundwater beneath the site, suggesting at least local mildly anaerobic conditions not conducive to co-metabolic, biotic transformations under aerobic conditions.

4.7.2 Abiotic Transformations

Abiotic transformations consist primarily of hydrolysis and elimination. Hydrolysis is a substitution reaction in which a chlorinated aliphatic hydrocarbons may react with water to substitute a chlorine atom with a hydroxyl group, producing organic alcohols, acids, or diols, such as the formation of acetic acid from 1,1,1-TCA. Elimination involves the removal of a hydrogen and chlorine atom from a chlorinated alkane, such as the formation of 1,1-DCE from 1,1,1-TCA. Hydrolysis and elimination reactions are generally independent of redox conditions, while abiotic reductive dechlorination is highly dependent on redox conditions (EPA, 2000).

Abiotic transformations are generally significantly slower than biotic transformations, but may play a more significant role in remediation under specific site conditions, such as in the presence of a slow moving plume. Although the Site conditions generally meet this criterion, chlorinated aliphatic hydrocarbons subject to abiotic transformations are limited, and of the Site COCs only 1,1,1-TCA is considered subject to abiotic transformation. Abiotic transformation of 1,1,1-TCA occurs by two different pathways, either by elimination leading to the formation of 1,1-DCE or by hydrolysis resulting in acetate (Vogel et. al., 1987).

4.8 UPDATED CONCEPTUAL SITE MODEL (CSM)

The CTS Printex manufacturing facility released chlorinated aliphatic hydrocarbons, principally TCE and 1,1,1-TCA, into underlying soils and shallow groundwater. Once the chlorinated aliphatic hydrocarbons were in the groundwater, they moved with the groundwater as aqueous-phase liquids in a northerly downgradient direction, subject to natural attenuation mechanisms such as dilution, sorption, dispersion, and volatilization, as well as biological and chemical

transformations. Although the time of release is unknown, chlorinated aliphatic hydrocarbons extended more than 1,400 feet downgradient of the former CTS Printex facility by the mid 1980's, and were present in both the A and B groundwater-bearing zones. In addition to the primary chemicals TCE and 1,1,1-TCA, potential daughter products 1,1- and 1,2-DCE and 1,1- and 1,2-DCA were as aerially extensive in groundwater in the mid 1980's.

The presence of abundant daughter products suggests that TCE and 1,1,1-TCA may have been subject to biotic transformation, although the presence of only low levels of additional daughter products such as vinyl chloride suggests the biotic transformation may be limited due to unfavorable ORP and other geochemical conditions at the Site.

Active groundwater extraction was reasonably effective in removing a significant mass of contaminants, but residual contamination is still present in the saturated soils and groundwater. A mass of residual contamination was encountered during recent the MIP investigation downgradient of monitoring well 17W in a generally isolated depth between the A and B zones. This residual mass will continue to contribute contaminants to the groundwater through desorption, prolonging the time-frame for natural processes to render the contaminants in groundwater to levels below cleanup levels.

Recent sub-slab sampling of three buildings overlying the plume suggests volatilization of the chlorinated aliphatic hydrocarbons in the shallow groundwater is occurring. Estimates of soil gas concentrations based on dissolved concentrations in the shallow-most groundwater are generally consistent with the concentrations of the same chlorinated aliphatic hydrocarbons in the sub-slab soil gas samples. The observed variability of the sub-slab soil gas sample results could relate to the heterogeneity of the vadose zone and its resulting attenuation effects.

Without further remediation, the shallow groundwater containing chlorinated aliphatic hydrocarbons from the Site will continue to move in a downgradient, generally northerly direction. The plume may then reach a relatively steady-state condition, subject to ongoing attenuation, including dilution, adsorption and desorption, dispersion, and volatilization, and possibly ongoing biotic transformation.

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5.0 BASELINE HEALTH RISK ASSESSMENT (BHRA)

The goal of this BHRA is to quantify the potential health risks associated with indoor air concentrations of COCs in commercial buildings located at 1914 Plymouth Street, 1924 Plymouth Street, 935-C Sierra Vista Avenue, and 935-F Sierra Vista Avenue. In addition, a hypothetical residential scenario is also included in this assessment. Indoor air samples were collected by ITSI only from these buildings as the other buildings at the site do not fully overlay the TCE plume; the likely source for VOC vapors (see Section 3.6.1). The multi-unit residential unit at 917 Sierra Vista Avenue only partially overlies the TCE plume. EPA conducted indoor air sampling in units at 917 Sierra Vista Avenue and did not detect concentrations above the regional screening levels (RSLs).

EPA has developed RSLs for indoor air in residential and commercial buildings. The RSLs are chemical-specific air concentrations that were calculated based upon the de minimis risk level of 1×10^{-6} (one in one million) for carcinogenic compounds and a hazard index of 1 for non-carcinogenic compounds. Further, RSLs represent air concentrations that would not result in unacceptable levels of risk to occupants (including sensitive receptors) of residential and commercial/industrial buildings as they are based on long-term exposure assumptions (EPA, 2010a). For this BHRA, the indoor air concentrations measured in the current commercial buildings were compared to "Industrial Air" RSLs for the commercial receptor and the "Residential Air" RSLs for the hypothetical residential receptor (EPA, 2010a). Further, the ratio of the RSL to the measured indoor air concentrations was used to estimate the cumulative health risks as described in further sections of this BHRA.

This BHRA was developed in accordance with applicable guidance from the EPA. In particular, the BHRA follows standard and customary practices for the performance of risk assessments, as specified by the EPA in the following documents:

Risk Assessment Guidance for Superfund: Human Health Evaluation Manual; Part A (EPA, 1989);

Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors (EPA, 1991a);

Final Guidance for Data Usability in Risk Assessment (EPA, 1992);

Exposure Factors Handbook, Volumes. I, II, and III (EPA, 1997);

Risk Assessment Guidance for Superfund, Human Health Evaluation Manual, Part D, Standardized Planning, Reporting, and Review of Superfund Risk Assessments (EPA, 2001);

Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual: Part F, Supplemental Guidance for Inhalation Risk Assessment (EPA, 2009a), and

Integrated Risk Information System (IRIS) (EPA, 2010b).

5.1 DATA EVALUATION

Section 4.2 discussed the data evaluation that was performed on the indoor air data and concluded that the analytical DQOs for the project were met. Because the analytical DQOs incorporated data usability requirements for the BHRA, the collected indoor air data are adequate for conducting this risk assessment.

5.2 IDENTIFICATION OF COPCS

As discussed in Section 4.4, all indoor air samples collected for this supplemental RI were analyzed for the chemicals of concern (COC) identified in the ROD (EPA, 1991), and also for other chemicals of potential concern (COPCs) such as TCE daughter-products cis-1,2-DCE and vinyl chloride. Although TCE and 1,1 DCA are not present in indoor air at levels that exceed acceptable indoor air criteria, these VOCs are still present in groundwater.

5.3 EXPOSURE ASSESSMENT

Exposure assessment is the process through which the exposure of human receptors to substances present in the environment is estimated. Exposure assessment generally involves analysis of the following variables: (1) magnitude, duration, and route of exposure; and (2) types of potential receptor populations.

5.3.1 Conceptual Site Model

The conceptual site model (CSM) (Figure 5-1) provides the framework of the exposure assessment. The physical characteristics of a site and its surroundings (such as location, land use, topography, hydrology, meteorology, and vegetation) are relevant to potential chemical exposures. Determination of the potential for exposure considers factors such as current and possible future uses of the property, the types of activities that might occur at the Site, the degree to which the Site is accessible to the general public, and the mechanisms that might result in the migration of COCs and COPCs to indoor air. The CSM is a schematic illustration of how chemicals released from the former CTS Printex operations are transported through environmental media and potentially come into contact with human and ecological receptors. The pathway of concern that is being evaluated in this BHRA is inhalation of VOCs in indoor air with shallow groundwater as the source (i.e., volatilization from groundwater and subsequent migration upward and into indoor air of the on-site buildings). There are no direct exposures to groundwater as a pathway (e.g., ingestion or dermal contact) because of institutional controls that prohibit current use of groundwater as a potable water source.

5.3.2 Exposure Area and Medium

The objective of this BHRA is to evaluate the likelihood of health effects to occupants of buildings located north of Plymouth Street. The exposure area, therefore, is each space (e.g., offices and warehouse areas) in the buildings where workers are present. The exposure medium is the indoor air in each of these spaces.

5.3.3 Identification of Potentially Exposed Populations

Currently, the Site area is occupied primarily by office buildings and small industrial buildings. There is one two-story apartment building in the area, but it is only partially within the boundary of the currently mapped contaminant plume. Although the current land use north of Plymouth Street is commercial/industrial, the BHRA also considers the possibility that a hypothetical residential development could occur in the future. Therefore this BHRA evaluates the potential human health effects to current commercial/industrial workers and to hypothetical future residents.

Pathways of exposure are the means through which an individual may come into contact with a chemical. Exposure pathways are determined by environmental conditions, the potential for a chemical to move from one medium to another, and the population's general lifestyles. For a complete exposure pathway to exist, each of the following elements must be present (EPA, 1989a):

- a source and mechanism for chemical release;
- an environmental transport medium (i.e., air, water, soil);
- a point of potential human contact with the medium; and
- a route of exposure (e.g., inhalation) and chemical uptake into the body.

If any one of these elements is missing, the exposure pathway is considered incomplete. For this health risk evaluation, based on vapor intrusion, the potentially complete exposure pathway is inhalation of indoor air emissions.

5.3.4 Reasonable Maximum Exposure

A reasonable maximum exposure (RME) is typically evaluated in a health risk assessment. The RME, as defined by the EPA, is the "highest exposure that is reasonably expected to occur" and is estimated by using a combination of upper-bound values and average values for the exposure parameters (EPA, 1989a). The RME approach of quantifying exposure relies upon conservative assumptions for the exposure parameters in order to ensure that the calculated dose is not underestimated. As such, the RME evaluation is recognized to overestimate the dose that would be expected for any member of the potentially exposed population (EPA, 1989a). The EPA RSLs used in this BHRA were calculated based upon RME exposure conditions and parameters (EPA, 2010a). The basis of the exposure evaluation in this BHRA is the RME exposure

conditions. Table 5-1 provides the exposure parameters of a resident and a commercial/industrial worker used to calculate the RSL.

5.3.5 Exposure Point Concentrations

Reliable estimates of exposure point concentrations in indoor air are required to calculate the magnitude of exposure. EPA guidance (EPA, 2002) recommends using a statistically calculated exposure point concentration, i.e., the 95 percent upper confidence limit (95% UCL) when the data set is adequate, or the maximum concentration when it is not. Because indoor air data collection was based on only the sampling events conducted in 2010 by ITSI, the maximum concentration is used as the exposure point concentration. Uncertainties associated with this approach are discussed in the Uncertainty Section (Section 5.7).

5.3.5.1 RSL Calculations

The exposure concentration (EC) is the representative concentration of a COPC in an environmental medium (i.e., for this HRA, indoor and outdoor air) that is potentially contacted by a receptor. The chemical concentration in air is used directly as the basis for estimating inhalation risks, as described in Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment (EPA, 2009). The exposure equation for inhalation (EPA, 2009) is as follows:

$$EC = \frac{C_a \ x \ ET \ x \ EF \ x \ ED}{AT}$$

Where:

EC Exposure concentration in indoor air (µg/m^3);
Ca Measured concentration in indoor air (µg/m^3);
ET Exposure time (hours/day);
EF Exposure frequency (days/year);
ED Exposure duration (years); ED in years x 365 days/year for noncarcinogens
AT Averaging time (70 years × 365 days/year) for carcinogens;

The Residential and Commercial RSLs used in this BHRA were calculated by EPA using the above described equation (EPA, 2010a).

5.4 TOXICITY ASSESSMENT

The risks associated with exposure to the constituents detected at a site are a function of the inherent toxicity (hazard) of each chemical and the absorbed dose. The toxicity assessment provides a summary of the information available regarding the potential for a chemical to cause an adverse health effect (hazard identification) and the relationship between the magnitude of exposure and the increased likelihood and/or severity of adverse effects (dose-response assessment). The toxicity criteria used to calculate the RSLs were obtained from is the EPA

Integrated Risk Information System (IRIS) on-line database (http://www.epa.gov/IRIS/) (EPA, 2010b).

Hazard identification refers to the process of determining if a chemical can cause an increase in a particular adverse effect (e.g., cancer) and the likelihood that the adverse effect will occur in humans. The dose-response assessment consists of quantifying the relationship between the received dose of a chemical and the incidence of adverse effects in the exposed population. The result of the dose-response assessment is a toxicity criterion that can be applied to the estimation of human health risk. For the inhalation pathway, the toxicity criteria used to evaluate non-carcinogenic risks are RfCs. Carcinogenic risks due to inhalation are evaluated with the use of IURs.

5.4.1.1 Toxicity Criteria for Non-carcinogenic Health Risks

Adverse non-carcinogenic health effects of chemicals are generally assumed to occur only after some threshold dose is reached. The threshold is often determined from toxicological data derived from animal or human studies, and is presumed to lie in the interval between the no observed adverse effect level (NOAEL) and the lowest observed adverse effect level (LOAEL). The NOAEL is defined as the highest dose at which no observable adverse effect occurs, whereas the LOAEL is defined as the lowest dose at which an observable adverse effect occurs. RfCs are expressed in terms of mass of chemical per cubic meter of air. These RfCs are intended to represent the concentration of a chemical that is not expected to cause an adverse health effect over a lifetime of daily exposure, even in sensitive individuals, with a substantial margin of safety.

5.4.1.2 Toxicity Criteria for Carcinogenic Health Risks

Regulatory guidance for carcinogens, in general, recommends that the derivation of toxicity (risk) criteria values be conducted without the assumption of a threshold (EPA, 1989). This approach assumes that the dose-response for carcinogens allows for zero risk only at zero doses, and that some risk, however small, exists at all non-zero doses. To estimate plausible responses at low doses, various mathematical models are used. The accuracy of the projected risks depends on how well the model reflects the true relationship between dose and risk where the relationship cannot be measured. The accuracy of these models is currently unknown, but each is intended not to underestimate true risk.

Health risks for exposure to carcinogens are defined in terms of probabilities that quantify the likelihood of a carcinogenic response in an individual receiving a given dose of a particular compound. The IUR is the mass of chemical in air that would result in a one-in-one-million increase in the probability of cancer occurring.

5.5 RISK CHARACTERIZATION

Risk characterization represents the final step in the risk assessment process. The results of the exposure and toxicity assessments are integrated into quantitative or qualitative estimates of potential health risk. Potential non-carcinogenic health effects and carcinogenic health risks are characterized separately. Typically, the potential doses quantified in the Exposure Assessment are combined with the toxicity values from the Toxicity Assessment. However, this BHRA has relied upon the RSLs as calculated by EPA and discussed further below. In addition, potential sources of uncertainty are discussed.

5.5.1 Non-Carcinogenic effect

Potential adverse non-carcinogenic health effects are evaluated using the hazard index (HI) approach recommended by EPA (EPA, 1989). The first step in this process is to calculate the hazard quotient for each chemical. For inhalation, the hazard quotient is calculated as:

$$\textit{Hazard Quotient} = \frac{EC_i}{RSL_i}$$

Where:
EC_i = Exposure concentration for chemical i (mg/m^3)
RSL_i = EPA RSL for chemical i (mg/m^3)

A hazard quotient less than or equal to 1 indicates that the predicted exposure to that chemical should not result in an adverse non-carcinogenic effect (EPA, 1989). The potential additive effects may be addressed by calculating a hazard index as follows:

$$\textit{Hazard Index} = \sum_{i=1}^{n} \textit{Hazard Quotient}$$

Where:
Hazard Index = sum of all the chemical-specific hazard quotients.

A hazard index of less than or equal to 1 indicates acceptable levels of exposure for chemicals having an additive effect. This may overestimate potential non-carcinogenic health effects because it does not distinguish between different toxic endpoints and different exposure pathways (EPA, 1989). If the cumulative hazard index (all chemicals, all pathways) exceeds 1, then it is appropriate to conduct additional analyses to determine whether there are any underlying HQs which should not be summed.

5.5.2 Carcinogenic Effects

For carcinogens, risk estimates represent the incremental probability that an individual will develop cancer over a lifetime as a result of exposure to a particular carcinogen or group of carcinogens (EPA, 1989). For inhalation of constituents in indoor air, the cancer risk is calculated as follows:

$$ILCR = (ECi / RSLi) \times 0.000001$$

Where:
ILCR = Incremental lifetime cancer risk (unitless);
RSLi = EPA RSL for chemical i (in mg/m^3)

Because the target risk of the RSL for each chemical is 1×10^{-6}, the ratio of the concentration to its RSL is multiplied by 0.000001 (1×10^{-6}) to estimate the ILCR.

Similar to the hazard index, the total ILCR is calculated by summing the risk for all pathways and all chemicals, as follows:

$$ILCR = \sum_{i=1}^{n} ILCRi$$

Where:
ILCRi = Chemical-specific ILCR

5.6 RESULTS OF THE RISK CHARACTERIZATION

The development of EPA RSLs follows the methodology discussed in Sections 5.3 through 5.5. The acceptable indoor air level is based on EPA's de minimis target cancer risk of 1×10^{-6} (one in one million) for VOC a identified as a carcinogens or a target hazard quotient of 1 for a VOC identified as a noncarcinogen. To quantify the increased risk of cancer over a lifetime of 70 years, the highest detected indoor air concentrations collected during the sampling events for the supplemental RI are compared to the corresponding indoor air RSLs, as described in the previous sections.

Cumulative risks are compared to a risk management range of one in one million (1×10^{-6}) to one in 10,000 (1×10^{-4}) (EPA, 2004b). Risk estimates within or exceeding this range (that is, greater than 10^{-6}) could potentially require a risk management decision that includes evaluating site-specific characteristics and exposure scenario factors to assess whether remedial action is warranted. When the HI (the ratio of chemical intake to the RSL) is greater than 1, there may be concern for potential non-cancer health effects associated with exposure to the chemicals of concern (EPA, 1989).

Table 5-2 shows the estimated numerical HIs and ILCRs due to VOCs in existing commercial/industrial buildings at the Site. Table 5-2 also shows the HI and ILCR estimates if future hypothetical residents were to be exposed to the same concentrations. ILCR and HI estimates are presented based on indoor air concentrations detected in samples collected both when the HVAC systems were turned on and when the HVAC systems were turned off.

The results for samples collected when the HVAC systems were turned on show that the cumulative potential cancer risk estimates based on the current commercial use of buildings overlying the TCE plume range from 1×10^{-6} to 3×10^{-6}, which are in the lower end of the risk management range of one in one million (1×10^{-6}) to one in 10,000 (1×10^{-4}) (EPA, 2004b). The cumulative hazard indices range from 0.0007 to 0.002, which are well below the threshold level of 1. Under the future hypothetical residential use of the buildings, the cumulative potential cancer risk estimates range from 5×10^{-6} to 2×10^{-5}, still within the risk management range established by EPA. The cumulative hazard index ranges from 0.003 to 0.008, significantly below the threshold level of 1.

The results for samples collected when the HVAC systems were turned off show that the cumulative potential ILCR estimates based on the current commercial use of buildings overlying the TCE plume range from 1×10^{-7} to 2×10^{-6}, within the risk management range of one in one million to one in 10,000 (EPA, 2004b). The cumulative hazard indices range from 0.0001 to 0.002 and are significantly below the threshold level of 1. Under the future hypothetical residential use of the buildings, the cumulative potential cancer risk estimates range from 3×10^{-6} to 8×10^{-6}, also within the risk management range established by EPA. The cumulative hazard indices range from 0.0005 to 0.007, significantly below the threshold level of 1.

5.7 QUALITATIVE UNCERTAINTY ANALYSIS

Uncertainty is an inherent part of the risk assessment process, and generally arises from gaps in information regarding (1) site conditions, (2) toxicity and dose-response of COPCs, and (3) the extent to which an individual will be exposed to COPCs from the site. In most cases, additional information is difficult to obtain or is subject to variability, or there may be gaps in the current understanding regarding an environmental process or the toxicology of a chemical. This means that assumptions must be made based on information in the literature or on professional judgment. The assumptions that are judged to present the highest potential for introducing the greatest amount of uncertainty and their effect on non-carcinogenic and carcinogenic risk are discussed in this section.

5.7.1 Uncertainties in the Exposure Assessment

Assumptions regarding land use and receptor activities influence the selection of input parameters employed in the exposure assessment (e.g., time spent at a particular location, weight, age, breathing rate of potential receptors, and environmental media contacted by the

receptors). Based on the current use of the site, long-term and short-term workers were identified as the potential site receptors for the current commercial land use scenario.

To minimize uncertainty in the exposure parameter values, EPA has developed standard exposure factors that serve to "summarize data on human behaviors and characteristics which affect exposure to environmental contaminants" and to provide "recommend[ed] values to use for these factors" (EPA, 1997 [Exposure Factors Handbook]). The studies from which the recommended exposure factors are derived were selected by EPA based on a number of considerations (e.g., peer review, reproducibility, representativeness of the population, data quality, and validity) in order to minimize uncertainty in the data and their application in the preparation of health risk assessments. The Exposure Factors Handbook provides key information regarding variability in the parameters within the general population. The document provides upper-bound (e.g., 90th- to 95th-percentile) values as well as central tendency (e.g., 50th-percentile) values for many parameters and, in many cases, full data distributions. Upper-bound reasonable maximum exposure (RME) parameter values were employed in the BHRA. Based on the comprehensive database for exposure factors and the use of RME values, the potential for underestimation of exposures is low (EPA, 1997, 2002a).

Exposure may be overestimated if the estimated EPCs are overestimated. The indoor air EPCs used for this BHRA are based on the maximum concentrations reported, due to the availability of data for only two sampling events were conducted when the HVAC systems were turned on and for only one sampling event when the HVAC systems were turned off. There is increasing evidence that there are enormous variabilities in indoor air measurements. One factor that is being studied to reduce this variability is to have a tool for monitoring indoor air concentrations over a period of at least a week, rather than the current practice of collecting samples over a 24-hour period. Because indoor air samples were collected over a period of 24 hours, and the maximum reported concentrations were used in calculations, the potential for overestimation of the indoor air EPCs used in this BHRA is high.

Another source of uncertainty is the assumption that occupants of commercial buildings and future residential buildings are exposed to the same levels measured in these sampling events for the entire period of exposure duration. It is more likely that the concentrations will vary considerably with different temporal and Site conditions. Therefore, risk calculations tend to be overestimated rather than underestimated.

5.7.2 Uncertainties Associated with the Toxicity Criteria

One of the most significant sources of uncertainty in any risk assessment is associated with the limited understanding of the toxicity of most chemicals in humans following exposure to the low concentrations generally encountered in the environment. The majority of available toxicity data is from high exposure animal studies, which are then extrapolated, using mathematical models or

multiple uncertainty factors, to generate toxicity criteria used to predict what might occur in humans. Sources of conservatism in this process include:

- The use of conservative assumptions and methods to extrapolate from high-dose animal studies to predict the possible response in humans at exposure levels far below those administered in animals;
- The evaluation of toxicity assumes that the carcinogenicity of a chemical in an animal model is representative of response rates in humans. The statistical technique used to extrapolate from animals to humans generally assumes that the dose-response curve is linear in the low dose region and that the 95th UCL of the slope of that line is a reasonable representation of the response in humans.
- The assumption that chemicals considered to be carcinogens do not have exposure thresholds (i.e., for all doses greater than zero, some risk is assumed to be present); and
- The fact that epidemiological studies are limited and are not generally considered in a quantitative manner in deriving toxicity values.

In aggregate, these assumptions overestimate the actual risks estimates such that they are unlikely to be higher, and should be considerably lower.

Although the toxicity criteria developed by EPA and those promulgated by Cal/EPA formerly were divergent, EPA has agreed with the IUR for TCE developed by the Cal/EPA Office of Environmental Health Hazard Assessment (OEHHA). Nevertheless, EPA is still in the process of re-evaluating the toxicity criteria for TCE and may or may not agree with Cal/EPA's evaluation.

5.7.3 Uncertainty Associated with Risk Characterization

One source of uncertainty that is unique to risk characterization is the assumption that the total risk associated with exposure to multiple chemicals is equal to the sum of the individual risks for each of the chemicals (i.e., the risks are additive). Other possible interactions include synergism, where the total risk is higher than the sum of the individual risks, and antagonism, where the total risk is lower than the sum of the individual risks. Relatively little information is available regarding potential chemical interactions following environmental exposure to chemical mixtures.

Current EPA guidance for risk assessment of chemical mixtures recommends assuming an additive effect following exposure to multiple chemicals (EPA, 1989). As currently practiced, risk assessments of chemical mixtures generally sum cancer risks regardless of tumor type, and sum non-cancer hazard indices regardless of toxic endpoint or mode of action. Given the

available experimental data, this approach likely overestimates potential risks associated with simultaneous exposure to multiple chemicals.

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6.0 ECOLOGICAL EVALUATION

To be comprehensive, the risk assessment for the "off-property" area of the CTS Printex Site considered evaluating exposures of ecological receptors to VOCs present in the subsurface. However, the Site is a fully developed urban environment and potential habitats of ecological receptors have not been observed during investigation or remediation activities. Since it is unlikely that ecological receptors are present at the Site, an ecological evaluation is not warranted.

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7.0 DISCUSSION AND CONCLUSIONS

This updated evaluation builds upon the previous knowledge of the Site and utilizes the additional site characterization data gathered during the supplemental RI field efforts. The supplemental RI included:

- A complete round of sampling of the available remaining monitoring wells,
- Collection of additional groundwater samples from temporary monitoring wells in areas requiring additional characterization (based on previous published groundwater results),
- Analyses of the groundwater samples for the full suite of VOCs potentially associated with the Site
- A supplemental soil and groundwater investigation using the membrane interface probe (MIP) technique in the area of potential residual contaminant mass near monitoring well 17W, and
- Collection and analysis of sub-slab and indoor air samples for several commercial buildings overlying the TCE plume.

7.1 DISCUSSION OF CURRENT CONDITIONS

Following shutdown of the groundwater extraction system in 1996, VOC concentrations have continued to be monitored on an annual basis. The apparent trend in TCE concentrations since 1996 suggests that, following an initial increase after groundwater extraction ended, concentrations generally declined in in most wells, with the notable exception of an increasing trend in monitoring well 22W located at the downgradient edge of the B zone plume. The TCE plumes reflecting the post-remediation conditions are presented in detail in the Groundwater Focused Feasibility Study (ITSI, 2011b).

The initial concentration rebound observed in many of the wells suggests that residual VOCs remained in the aquifer (i.e., sorbed to soil); however, the subsequent declining trend suggests that some form of natural attenuation is effecting the concentration and distribution of TCE in the groundwater.

Although concentrations of TCE in monitoring well 17W have shown a generally declining trend since the extraction system was shut down, the current relatively high TCE concentration and presence of other COCs in groundwater from this well suggest possible residual contaminant mass in the shallow groundwater aquifer near well 17W. This possibility was reinforced by the results of the MIPs survey in the area of 17W, which identified a mass of residual VOC contamination in proximity to relatively coarse-grained soils situated between and potentially

connecting the A and B zones just north of 17W. The presence of this residual contaminant mass also could account for the increasing trend in TCE concentrations in monitoring well 22W, completed in the B zone downgradient of this residual mass.

Table 7-1 summarizes the results for groundwater COCs during sampling of monitoring wells and temporary wells as part of the supplemental RI by ITSI. Vinyl chloride was added to the analyte list because it is a common daughter product of TCE and 1,2-DCE. Sixteen existing monitoring wells and 23 temporary wells were sampled along with the collection of two grab samples during the MIPs investigation.

Eight of the COCs were detected in groundwater samples, with a total of five (TCE, cis-1-2-DCE, trans-1,2-DCE, 1,1-DCE, and 1.1-DCA) COCs reported at concentrations above the respective cleanup levels (i.e., current MCLs).

To address the DQO of evaluating potential vapor intrusion from the subsurface to buildings overlying the current VOC plume, sub-slab and indoor air samples were collected in several buildings within the footprint of the plume. Sub-slab sampling of three buildings in the area reported TCE soil gas concentrations ranging from 2,900 ug/m^3 to 8,500 ug/m^3 (Table 4-3). These results are consistent with historical and recent TCE concentrations in the shallow groundwater in the area of the buildings sampled. The observed variability of sub-slab soil gas sample results could relate to the variability of soil types in the vadose zone and its resulting attenuation effects.

By applying the default attenuation factor of 0.1 recommended by EPA, the VOC concentrations in the sub-slab could result in predicted indoor air concentrations that suggest a potential vapor intrusion concern. However, recent studies have shown that applying this default attenuation factor is extremely conservative based on different attenuation factors observed in several case studies. Therefore, the sub-slab sampling was supplemented with indoor air sampling.

Indoor air samples were collected primarily to address the DQO of evaluating potential exposures of current building occupants through vapor intrusion, though as mentioned above, these samples also complemented sub-slab sampling efforts. However, measured indoor air concentrations are considered more reliable for evaluating actual indoor air exposures compared to predicting indoor air concentrations from sub-slab data. The results from the indoor air sampling show that there is currently no significant potential health risk to occupants of buildings due to vapor intrusion. Although measured indoor air concentrations of TCE and 1,1-DCA do not exceed acceptable levels for residential and commercial buildings, these two VOCs are identified as COPCs for vapor intrusion because these were detected in groundwater. In the event that future Site conditions change, there is a possibility that vapors from these VOCs in

groundwater will migrate to the near-surface and, ultimately, enter the interior environment of buildings overlying the plume.

Another DQO of this supplemental RI was to evaluate the likelihood of increased cancer risk and other health effects associated with exposures to measured indoor air concentrations. Although each detected VOC does not exceed risk-based acceptable levels for indoor air, the BHRA conservatively assumes that building occupants are simultaneously exposed to all detected VOCs in indoor air for a period of 25 years (commercial worker) or 30 years (hypothetical future resident). Under sampling conditions wherein the HVAC systems are turned on and turned off, and under the current commercial and hypothetical future residential land use, the results demonstrate that the cumulative cancer risk and hazard index estimates are within EPA's risk management range.

7.2 CONCLUSIONS

The following conclusions are based on the results from the supplemental RI as well as other historical data for the Site:

- Five VOCs, all in the classification of CAHs, are currently present in groundwater at the Site at levels above their cleanup levels or current MCLs: TCE, cis-1,2-DCE (mentioned in the ROD but not specifically identified as a COC), trans-1,2-DCE, 1,1-DCE, and 1,1-DCA.
- The highest levels of CAHs are present in the shallow groundwater at 17W and surrounding area.
- The presence of abundant daughter products suggests that TCE and 1,1,1-TCA, the chlorinated solvents used by the former CTS Printex's manufacturing operation, may have been subject to transformation, primarily biotic transformations. The presence of only low levels of additional daughter products, such as vinyl chloride, suggests that further biotic transformation may be limited due to unfavorable ORP and other geochemical conditions at the Site.
- The MIP investigations identified a mass of residual contamination downgradient of monitoring well 17W in a generally isolated depth between the A and B zones (roughly between 15 and 30 feet bgs). This residual mass will continue to contribute contaminants to the groundwater through desorption, thus, prolonging the time-frame for natural processes to render the contaminants in groundwater to levels below cleanup levels.
- The multiple lines of evidence collected in the supplemental RI indicate that vapor intrusion is not a pathway of concern for existing buildings located at the Site under current conditions.

- The shallow groundwater at the Site contain CAHs that may move in a downgradient, generally northerly direction, due to the residual contaminant mass in the vicinity of well 17W if there is no further remediation of shallow groundwater.

In consideration of the above, two focused feasibility studies were prepared to support, along with this Supplemental RI, the preparation of a ROD Amendment:

- Focused Feasibility Study Part 1 - Vapor Intrusion: Evaluates remedial alternatives that would mitigate potentially unacceptable exposures through vapor intrusion under future conditions associated with new building construction or modification of existing buildings at the Site (ITSI, 2011a).
- Focused Feasibility Study Part 2 – Groundwater: Evaluates remedial alternatives addressing the goal of restoring groundwater to its beneficial use as a source of drinking water (ITSI, 2011b).

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TABLES

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Table 3-1
Well Construction Information
CTS Printex Superfund Site
Mountain View, California

Well ID	Borehole Depth (feet)	Well Screen Depth (feet)	Installation Date	Well Diameter (inches)	Current Status
1W	40	7-32	4/2/85	2	Destroyed
2W	31	7-27	4/3/85	2	Destroyed
3W	36	7-27	4/3/85	2	Destroyed
4W	41	7-35	4/4/85	2	Destroyed
5W	31	7-32	4/17/85	2	Destroyed 5/97
6W	30	7-30	4/17/85	2	Destroyed 5/97
7W	16	10-15	7/30/85	2	Present
8W	40	35-40	7/30/85	2	Present
9W	20	32-38	5/9/86	2	Destroyed 2007
10W	44	7-17	5/9/86	2	Destroyed 2007
11W	37	32-37	5/15/86	2	Present
12W	41	9-19	5/15/86	2	Present
13W	20	5-19	5/9/86	2	Present
14W	44	32-38	5/9/86	2	Present
15W	40	32-37	7/28/86	2	Destroyed 2007
15WR	38.5	28-38	06/24/2010	2	Present
16W	19	8-18	7/28/86	2	Destroyed 2007
16WR	20.5	10-20	06/24/2010	2	Present
17W	40	20-32	8/20/86	2	Present
19W	39	32-37	8/21/86	2	Present
20W	15	7-15	8/21/86	2	Present
21W	50	38-44	3/28/87	2	Present
22W	50	24-34	3/30/87	2	Present
23W	21	10-20	4/4/87	2	Present
24W	25	30-39	4/4/87	2	Converted to ED3W
25W	44	20-25	4/4/87	2	Present

Table 3-1
Well Construction Information
CTS Printex Superfund Site
Mountain View, California

Well ID	Borehole Depth (feet)	Well Screen Depth (feet)	Installation Date	Well Diameter (inches)	Current Status
26W	NA	17-22	NA	NA	Destroyed 1/01
27W	40	31-38	6/8/87	2	Destroyed 5/97
28W	24	14-24	6/8/87	2	Destroyed 1/01
29W	37.5	20-30	6/8/87	2	Destroyed 5/97
31W	43.5	28-38	5/30/87	2	Destroyed 1/01
32W	22	11-21	5/30/87	2	Converted to ES4W
33W	18	6-16	6/10/87	2	Present
34W	20	8-18	6/10/87	2	Present
35W	37.5	25-30	9/4/87	2	Destroyed 5/97
36W	16	5-16	9/4/87	2	Destroyed 5/97
37W	25	15-25	8/29/87	2	Destroyed 5/97
38W	NA	NA	NA	NA	Present
39W	NA	NA	NA	NA	Destroyed 12/98
D1W	101	10-15	7/29/86	2	Destroyed 2007
D2W	101	57-67	8/29/86	2	Present
ES1W	21	9-19	7/31/86	6	Destroyed
ES2W	24.5	12-24	8/1/86	6	Destroyed
ES3W	NA	NA	NA	NA	Destroyed 6/06
ED1W	40	29-35	8/20/86	2	Destroyed
ED2W	NA	NA	NA	NA	Destroyed 6/06
ED3W	NA	NA	NA	NA	Destroyed 1/01
ES4W	NA	NA	NA	NA	Destroyed 1/01

Notes:
E = Extraction well
NA = not available

Table 3-2
Summary of Groundwater Level Measurements
Former CTS Printex Superfund Site
Mountain View, California

		TOC	MEASURED GROUNDWATER ELEVATION[c]																			
Well[a]		(feet)[b]	12-Apr-85	22-Apr-85	14-May-85	25-Jun-85	10-Oct-85	10-Jun-86	20-Jun-86	16-Sep-86	15-Dec-86	23-Dec-86	04-Jan-87	22-Jan-87	30-Jan-87	03-Feb-87	13-Feb-87	24-Mar-87	17-Apr-87	29-May-87	27-Jun-87	12-Aug-87
1W	I	19.68	8.28	8.30	8.62	7.85	7.80	8.28	8.23	8.17	8.69	8.19	8.30	8.20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.36
2W	I	16.04	7.61	7.50	7.29	7.79	6.24	7.50	7.52	7.41	7.71	7.43	7.53	7.43	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.59
3W	I	17.12	7.77	7.68	7.25	7.12	7.12	7.66	7.64	7.53	8.13	7.60	7.71	7.59	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.76
4W	I	20.46	8.13	8.10	7.63	7.63	7.55	8.08	8.07	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5W	I	17.57	7.15	6.97	6.91	5.57	6.55	7.20	7.16	7.06	7.46	7.02	7.15	6.99	6.31	6.22	6.30	6.21	6.20	6.23	6.27	7.19
6W	I	20.10	8.52	8.91	8.79	8.35	8.38	8.94	8.96	8.96	9.34	8.84	9.00	8.82	8.24	8.21	8.31	8.22	8.24	8.32	8.36	9.05
7W	S	17.55	----[d]	----	----	----	7.49	8.05	8.06	7.91	8.48	7.96	8.05	7.95	6.99	7.00	7.03	6.99	6.81	7.02	6.98	8.12
8W	D	17.59	----	----	----	----	7.53	8.07	8.04	7.99	8.51	7.99	8.11	8.00	7.16	7.14	6.48	6.42	6.43	6.57	6.56	8.14
9W	D	16.07	----	----	----	----	----	7.29	7.28	7.17	7.64	7.21	7.28	7.21	6.35	6.30	6.60	6.29	6.27	N/A	6.33	7.35
10W	S	16.15	----	----	----	----	----	7.22	7.22	7.10	7.15	7.15	7.24	7.17	6.25	6.21	6.55	6.21	6.18	6.63	6.24	7.30
11W	D	13.28	----	----	----	----	----	7.03	7.03	6.92	7.43	6.98	7.06	6.96	6.00	5.91	6.03	5.88	5.85	5.97	5.91	7.10
12W	S	13.47	----	----	----	----	----	7.14	7.12	7.06	7.58	7.06	7.15	7.08	5.86	5.79	5.89	5.75	5.68	5.77	5.75	7.22
13W	S	16.40	----	----	----	----	----	6.94	6.96	6.89	7.27	6.90	6.99	6.90	5.85	5.77	5.86	5.74	5.71	5.75	5.76	7.05
14W	D	16.19	----	----	----	----	----	7.03	7.02	6.94	7.30	6.95	7.05	6.96	6.00	5.91	6.00	5.89	5.85	5.91	5.91	7.11
15W	D	18.35	----	----	----	----	----	----	----	8.65	9.16	8.66	8.77	8.66	8.11	8.10	8.16	8.11	8.08	8.12	8.16	8.81
16W	S	18.35	----	----	----	----	----	----	----	8.43	8.92	8.45	8.55	8.48	7.96	8.03	8.07	8.05	8.03	8.06	8.09	8.61
17W	I	14.89	----	----	----	----	----	----	----	5.62	6.14	5.68	5.78	5.69	3.77	3.66	3.77	3.61	3.55	3.86	3.91	5.84
19W	D	10.92	----	----	----	----	----	----	----	4.86	5.44	4.93	5.07	5.01	4.30	4.40	4.37	4.32	4.21	4.11	4.14	5.13
20W	S	11.00	----	----	----	----	----	----	----	4.62	5.31	4.75	4.83	4.80	4.28	4.16	4.11	4.04	3.87	3.78	3.78	4.90
21W	D	11.66	----	----	----	----	----	----	----	----	----	----	----	----	2.94	2.88	2.86	2.81	2.77	2.50	2.51	N/A
22W	D	9.99	----	----	----	----	----	----	----	----	----	----	----	----	3.35	3.25	3.21	3.12	2.98	2.85	2.86	N/A
23W	S	9.87	----	----	----	----	----	----	----	----	----	----	----	----	3.28	3.17	3.10	3.02	2.85	2.71	2.73	N/A
25W	S	10.71	----	----	----	----	----	----	----	----	----	----	----	----	3.57	3.45	3.54	2.45	3.37	3.38	3.38	N/A
26W	S	11.61	----	----	----	----	----	----	----	----	----	----	----	----	2.98	2.91	2.92	2.74	2.71	2.54	2.52	N/A
27W	D	13.49	----	----	----	----	----	----	----	----	----	----	----	----	5.32	5.23	5.30	5.20	5.16	5.16	5.19	N/A
28W	S	13.33	----	----	----	----	----	----	----	----	----	----	----	----	5.06	4.97	5.03	4.96	4.91	4.91	4.92	N/A
29W	I	9.01	----	----	----	----	----	----	----	----	----	----	----	----	3.19	3.05	3.24	3.19	3.04	3.12	3.00	N/A
31W	D	8.69	----	----	----	----	----	----	----	----	----	----	----	----	1.40	1.28	1.24	1.21	1.06	0.97	1.02	N/A
33W	S	9.99	----	----	----	----	----	----	----	----	----	----	----	----	3.34	3.24	3.20	3.11	2.96	2.82	2.83	N/A
34W	S	12.44	----	----	----	----	----	----	----	----	----	----	----	----	5.07	5.04	5.07	5.02	4.98	4.99	5.00	N/A
35W	D	8.80	----	----	----	----	----	----	----	----	----	----	----	----	0.94	0.87	0.93	0.87	0.82	0.79	0.80	N/A
36W	S	8.84	----	----	----	----	----	----	----	----	----	----	----	----	0.94	0.87	0.94	0.88	0.82	0.80	0.80	N/A
37W	D	10.22	----	----	----	----	----	----	----	----	----	----	----	----	2.35	2.21	2.37	2.36	2.43	1.28	2.21	N/A
38W	S	5.18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
39W	S	5.97	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
D1W	D	17.43	----	----	----	----	----	----	----	8.74	9.22	8.73	8.83	8.73	8.04	8.00	8.13	8.04	7.85	8.11	8.09	8.08
D2W	D	13.44	----	----	----	----	----	----	----	7.06	N/A	6.98	7.07	6.99	6.12	6.03	5.97	6.01	5.90	5.24	6.26	7.12
ES1W	S	16.76	----	----	----	----	----	----	----	----	----	----	----	----	7.25	7.14	7.12	16.76	6.47	6.08	6.07	N/A
ED1W	D	16.62	----	----	----	----	----	----	----	----	----	----	----	----	7.17	7.16	4.97	4.90	5.31	5.54	5.51	N/A
ES2W	S	14.19	----	----	----	----	----	----	----	----	----	----	----	----	4.88	4.79	4.91	4.77	4.72	4.84	4.77	N/A
ED2W	D	12.25	----	----	----	----	----	----	----	----	----	----	----	----	-3.43	-3.59	-3.55	-3.72	-3.82	-0.98	N/A	N/A
ES3W	S	7.24	----	----	----	----	----	----	----	----	----	----	----	----	2.55	2.44	2.29	2.27	2.26	N/A	7.24	N/A
ED3W	D	10.71	----	----	----	----	----	----	----	----	----	----	----	----	2.74	2.61	3.07	2.61	2.56	2.57	2.54	N/A
ES4W	S	7.67	----	----	----	----	----	----	----	----	----	----	----	----	-4.24	-4.51	-4.66	-4.84	-5.10	-5.45	-5.26	N/A

Table 3-2
Summary of Groundwater Level Measurements
Former CTS Printex Superfund Site
Mountain View, California

Well[a]		TOC (feet)[b]	09-Oct-87	23-Nov-87	08-Dec-87	02-Jan-88	08-Mar-88	27-May-88	16-Jun-88	13-Oct-88	14-Nov-88	07-Dec-88	10-Jan-89	15-Feb-89	27-Feb-89	28-Feb-89	01-Mar-89	02-Mar-89	03-Mar-89	07-Mar-89	16-Mar-89	20-Mar-89
1W	I	19.68	8.38	8.83	8.54	8.31	8.11	8.03	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2W	I	16.04	7.60	8.06	7.78	7.53	7.31	7.20	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3W	I	17.12	7.78	8.25	7.95	7.69	7.48	7.37	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4W	I	20.46	N/A	N/A	N/A	N/A	N/A	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5W	I	17.57	7.18	7.87	7.33	7.07	6.88	6.77	6.69	6.12	6.75	7.06	6.77	6.78	6.60	6.50	6.26	6.42	6.55	6.76	6.20	6.47
6W	I	20.10	9.05	9.86	9.18	8.96	8.74	8.65	8.61	8.25	8.67	9.12	8.80	8.77	8.55	8.45	8.21	8.29	9.02	8.58	8.26	8.25
7W	S	17.55	8.14	8.55	8.34	8.10	7.86	7.75	7.63	6.40	7.69	7.79	7.25	7.74	7.46	7.43	7.01	7.14	7.10	7.55	N/A	7.20
8W	D	17.59	8.18	8.44	8.36	8.12	7.89	7.78	7.60	5.95	7.71	7.84	6.86	7.75	7.52	7.20	6.95	7.06	7.01	7.49	6.67	7.24
9W	D	16.07	7.37	7.97	7.52	7.31	7.08	6.97	6.86	5.62	----	6.66	----	----	----	6.42	6.15	6.52	6.32	6.76	6.59	6.44
10W	S	16.15	7.33	N/A	7.51	7.26	7.02	6.91	6.80	5.43	6.74	6.55	6.38	6.55	6.51	6.41	6.13	6.48	6.22	6.69	6.20	6.32
11W	D	13.28	7.16	7.47	7.33	7.06	6.86	----	6.64	5.09	6.56	6.21	6.08	6.38	6.25	6.16	5.89	6.25	6.00	6.43	5.90	6.11
12W	S	13.47	7.26	7.58	7.43	7.18	6.98	6.88	6.77	4.90	6.71	6.25	6.08	6.28	6.27	6.11	5.88	6.27	5.87	6.45	5.72	6.01
13W	S	16.40	7.09	7.53	7.25	6.98	6.77	6.66	6.55	5.27	6.52	6.45	6.23	6.32	6.28	6.18	5.92	6.19	5.96	6.43	5.71	6.08
14W	D	16.19	7.13	7.64	7.29	7.04	6.84	6.72	6.62	5.61	6.61	6.69	6.45	6.53	6.44	6.33	6.06	6.30	6.14	6.58	5.86	6.24
15W	D	18.35	8.84	9.29	9.03	8.80	8.57	8.48	8.38	7.88	8.44	8.66	8.47	8.62	8.38	8.24	7.93	8.03	8.04	8.40	8.11	8.12
16W	S	18.35	8.63	8.99	8.81	8.57	8.36	8.28	8.20	7.93	8.34	8.52	8.37	8.45	8.20	8.11	7.88	7.97	7.99	8.38	8.08	8.04
17W	I	14.89	5.85	6.20	6.00	5.73	5.52	5.40	4.32	2.72	3.32	4.06	5.37	4.00	14.89	4.07	3.63	3.81	3.57	4.14	3.47	3.99
19W	D	10.92	5.17	N/A	5.29	5.06	4.83	4.70	4.57	4.14	4.53	4.80	4.94	4.87	4.65	4.57	4.22	4.37	4.07	4.75	4.47	4.63
20W	S	11.00	4.95	5.19	5.06	4.88	4.57	4.44	4.31	3.88	4.28	4.51	4.71	4.64	4.37	4.31	3.95	4.11	3.69	4.50	4.28	4.40
21W	D	11.66	N/A	N/A	N/A	3.26	3.03	2.89	2.81	2.49	2.86	3.12	3.31	3.20	2.94	2.81	2.41	2.56	2.34	2.92	3.01	3.02
22W	D	9.99	N/A	N/A	N/A	3.96	3.68	3.55	3.42	3.10	3.51	0.77	3.99	3.89	3.57	3.52	3.12	2.97	2.55	3.67	3.66	3.71
23W	S	9.87	N/A	N/A	N/A	4.00	3.71	3.58	3.45	3.10	3.51	0.74	3.98	3.89	3.57	3.52	3.12	3.26	2.42	3.65	3.66	3.70
25W	S	10.71	N/A	N/A	N/A	5.04	4.96	4.77	4.62	4.24	4.76	5.05	4.91	4.73	4.75	4.58	4.40	4.58	4.39	4.84	3.36	4.63
26W	S	11.61	N/A	N/A	N/A	3.30	3.04	2.91	2.84	2.50	2.85	3.11	3.33	3.23	2.85	2.83	2.40	2.54	2.24	2.82	3.01	3.01
27W	D	13.49	N/A	N/A	N/A	N/A	N/A	5.79	5.69	5.19	5.77	6.03	5.86	5.81	5.69	5.59	5.40	5.57	5.46	5.87	5.18	5.64
28W	S	13.33	N/A	N/A	N/A	N/A	N/A	5.71	5.61	5.11	5.67	5.96	5.79	5.72	5.62	5.48	5.15	5.34	5.23	5.63	4.91	5.39
29W	I	9.01	N/A	N/A	N/A	N/A	N/A	3.45	3.30	3.36	3.65	4.01	3.73	3.42	3.59	3.39	3.17	3.48	3.18	3.57	3.03	3.45
31W	D	8.69	N/A	N/A	N/A	N/A	N/A	1.87	1.74	1.49	1.81	2.75	2.25	2.15	1.82	1.78	1.97	1.58	1.43	1.14	2.16	2.06
33W	S	9.99	N/A	N/A	N/A	N/A	N/A	3.36	3.21	2.89	3.29	3.55	3.81	3.74	3.36	3.30	2.88	3.01	2.45	3.46	3.53	3.52
34W	S	12.44	N/A	N/A	N/A	N/A	N/A	5.19	5.12	4.79	5.13	5.26	5.30	5.33	5.12	N/A	4.82	4.92	4.89	5.20	5.08	5.08
35W	D	8.80	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.63	0.78	1.19	1.13	1.05	0.94	0.90	0.61	0.65	0.54	0.85	1.08	0.97
36W	S	8.84	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.71	0.88	1.21	1.17	1.12	0.99	0.93	0.61	0.69	0.57	0.87	1.09	0.99
37W	D	10.22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.98	2.56	3.78	2.70	2.25	2.52	2.31	2.14	2.40	2.06	2.42	2.27	2.38
38W	S	5.18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
39W	S	5.97	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
D1W	D	17.43	8.91	9.37	9.11	8.87	8.65	8.56	8.47	7.88	8.52	8.70	8.48	8.61	8.33	8.30	7.96	8.09	8.06	8.43	8.01	8.12
D2W	D	13.44	7.14	7.59	7.32	7.07	6.88	6.76	6.64	5.42	6.58	6.56	6.45	6.57	6.46	6.37	6.08	6.37	7.08	6.43	5.96	6.16
ES1W	S	16.76	N/A	N/A	N/A	N/A	N/A	N/A	5.68	-0.14	7.74	4.58	3.28	5.05	16.76	N/A	2.29	2.44	1.82	2.48	7.06	7.11
ED1W	D	16.62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.72	7.74	6.17	5.80	7.19	16.62	N/A	6.76	6.89	6.65	7.27	4.87	4.91
ES2W	S	14.19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.83	6.65	-0.12	-0.56	2.33	14.19	N/A	4.05	6.42	4.85	5.34	4.68	5.01
ED2W	D	12.25	N/A	N/A	N/A	N/A	N/A	N/A	1.77	-16.05	-9.41	-11.47	5.46	N/A	N/A	N/A	N/A	-3.20	-4.35	-3.27	-4.79	-3.38
ES3W	S	7.24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.99	1.57	3.80	3.79	3.82
ED3W	D	10.71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.64	4.45	4.89	2.52	4.70
ES4W	S	7.67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.26	1.10	-6.03	1.83	1.70

Table 3-2
Summary of Groundwater Level Measurements
Former CTS Printex Superfund Site
Mountain View, California

Well[a]		TOC (feet)[b]	28-Mar-89	11-Apr-89	09-May-89	06-Jun-89	07-Jul-89	17-Aug-89	13-Sep-89	06-Oct-89	01-Nov-89	27-Dec-89	25-Jan-90	20-Feb-90	13-Mar-90	09-Apr-90	25-May-90	05-Jun-90	03-Jul-90	06-Aug-90	21-Sep-90	05-Oct-90
1W	I	19.68	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2W	I	16.04	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3W	I	17.12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4W	I	20.46	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5W	I	17.57	6.10	6.14	6.07	5.45	5.77	5.42	5.52	5.44	-3.50	5.57	6.26	6.53	6.30	5.91	6.10	5.97	7.56	5.08	N/A	4.83
6W	I	20.10	8.21	8.16	8.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.36	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7W	S	17.55	6.87	6.63	6.44	5.94	6.09	5.82	6.36	6.10	6.03	6.03	6.55	7.47	6.78	6.14	8.86	6.26	6.84	5.40	5.44	5.32
8W	D	17.59	6.47	6.21	6.05	5.59	5.61	5.41	5.73	6.17	5.70	5.73	6.23	6.44	6.27	6.41	6.48	5.93	5.49	5.02	N/A	4.99
9W	D	16.07	N/A	N/A	N/A	5.36	N/A	N/A	N/A	5.49	5.58	5.70	6.32	16.07	6.46	6.06	5.97	6.13	5.64	5.35	N/A	5.09
10W	S	16.15	6.11	5.98	5.90	5.65	5.60	5.30	5.47	5.40	5.52	5.62	6.27	6.53	6.40	4.09	5.83	6.10	5.61	5.34	N/A	5.03
11W	D	13.28	5.80	5.69	5.66	N/A	5.29	4.82	5.01	4.93	5.16	5.24	6.02	6.21	6.17	5.69	5.69	5.89	5.26	4.86	4.66	4.65
12W	S	13.47	5.61	5.52	5.57	4.61	5.27	4.77	4.94	4.89	5.07	5.22	6.04	6.33	6.14	5.64	5.66	5.89	5.20	4.88	4.63	4.56
13W	S	16.40	5.60	5.67	5.63	4.82	5.29	4.86	5.04	4.96	5.14	5.27	6.06	6.33	6.10	5.67	5.65	6.03	5.17	4.82	N/A	4.52
14W	D	16.19	5.76	5.76	5.79	5.04	5.44	5.07	5.20	5.10	4.24	5.37	6.14	6.40	6.19	5.76	5.72	5.86	5.24	4.94	N/A	4.60
15W	D	18.35	8.09	7.93	7.78	10.10	7.44	7.33	7.41	7.27	7.25	7.25	7.66	7.91	7.85	7.49	7.31	7.43	7.12	6.83	6.71	6.67
16W	S	18.35	8.02	7.92	7.83	7.75	7.55	7.46	7.50	7.36	7.35	7.30	7.76	8.96	7.92	7.61	7.34	7.55	7.17	6.78	6.74	6.69
17W	I	14.89	3.76	3.07	3.26	2.54	2.68	2.36	2.50	2.29	2.76	4.35	5.26	8.92	3.54	3.29	3.26	5.04	2.75	2.99	3.56	2.39
19W	D	10.92	4.01	3.92	3.87	3.30	3.67	3.18	3.25	3.36	3.56	3.99	4.70	4.74	4.64	4.43	3.79	4.56	3.67	3.34	N/A	2.95
20W	S	11.00	3.66	3.51	3.46	2.80	3.32	2.72	2.83	3.01	3.18	3.18	4.56	3.00	4.50	8.17	4.34	4.38	3.37	2.90	N/A	2.52
21W	D	11.66	2.36	2.19	2.18	1.55	1.91	1.37	1.51	1.46	1.72	2.09	2.71	3.02	2.88	2.63	2.50	2.78	1.88	1.68	N/A	1.27
22W	D	9.99	2.74	2.43	2.42	1.80	2.94	1.50	1.82	1.79	1.92	2.92	3.55	3.85	3.44	9.21	3.31	3.51	2.18	1.85	1.33	1.24
23W	S	9.87	2.62	2.30	2.28	1.62	1.77	1.32	1.70	1.62	1.75	2.89	3.54	3.86	3.38	3.44	3.30	3.54	2.02	0.98	1.08	1.05
25W	S	10.71	3.16	4.11	4.12	2.58	3.81	2.89	2.91	2.92	3.21	3.33	4.05	4.94	4.62	4.33	4.69	4.06	3.86	2.92	2.51	2.27
26W	S	11.61	2.37	2.16	2.16	1.53	1.96	1.36	1.53	1.48	1.74	2.19	2.73	3.04	2.63	2.69	2.52	2.09	3.77	3.55	N/A	1.27
27W	D	13.49	5.03	5.23	5.19	4.38	4.91	4.41	4.47	4.44	4.62	4.74	5.59	5.86	5.55	5.23	5.21	5.32	4.63	4.13	N/A	3.89
28W	S	13.33	4.76	5.00	4.97	4.13	4.68	4.18	4.25	4.22	4.34	4.45	4.73	5.53	5.23	4.92	4.89	5.01	4.32	3.84	N/A	3.62
29W	I	9.01	2.68	2.91	2.91	2.44	2.78	2.53	N/A	2.55	2.78	2.86	3.50	3.73	3.48	3.23	3.64	3.28	2.46	2.07	1.98	1.79
31W	D	8.69	0.85	1.42	1.43	-0.26	1.17	0.29	0.34	0.02	0.31	0.76	1.22	1.59	1.46	1.23	1.96	1.96	1.83	2.26	1.74	0.52
33W	S	9.99	2.71	2.48	2.37	N/A	N/A	1.41	1.63	1.62	1.89	2.72	3.31	3.62	3.37	3.27	3.19	3.33	2.14	1.10	1.33	0.28
34W	S	12.44	4.93	4.82	4.74	N/A	N/A	4.28	4.38	4.37	4.45	4.58	4.94	5.09	5.01	4.84	4.84	4.82	4.50	4.25	4.01	3.97
35W	D	8.80	0.65	0.67	0.73	0.23	0.59	0.25	0.32	0.11	0.27	0.45	0.76	1.09	0.91	0.74	0.92	1.13	0.52	0.63	0.33	0.26
36W	S	8.84	0.67	0.69	0.75	0.24	0.59	0.27	0.28	0.11	0.27	0.50	0.76	1.09	0.91	0.76	0.91	1.12	0.52	0.61	0.30	0.25
37W	D	10.22	1.81	1.91	1.87	1.72	1.73	1.89	N/A	1.82	1.99	2.07	6.05	2.58	2.46	2.24	2.60	2.32	2.12	1.84	1.70	1.18
38W	S	5.18	----	----	----	----	----	----	----	----	3.86	4.34	N/A	4.72	4.71	4.40	4.20	4.72	3.89	3.59	N/A	3.32
39W	S	5.97	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
D1W	D	17.43	8.01	7.91	7.78	7.34	N/A	7.23	17.43	N/A	9.32	N/A	N/A	N/A	7.68	7.33	7.41	7.36	N/A	N/A	N/A	6.49
D2W	D	13.44	5.88	5.76	5.78	5.04	N/A	5.16	5.28	5.24	5.34	N/A	6.17	N/A	6.23	5.83	6.01	5.88	N/A	N/A	N/A	4.81
ES1W	S	16.76	5.90	4.99	3.71	-0.04	N/A	5.81	6.18	-0.89	4.68	N/A	3.78	3.22	3.29	-1.44	-3.16	5.16	1.24	5.37	5.62	5.32
ED1W	D	16.62	5.42	4.93	4.81	4.30	N/A	3.84	5.58	5.47	4.96	N/A	5.47	5.66	6.91	6.35	5.04	5.02	4.65	4.21	5.62	4.16
ES2W	S	14.19	4.65	4.59	4.55	3.99	N/A	4.04	5.27	4.89	4.66	N/A	5.72	6.07	5.91	5.76	6.05	5.97	5.43	5.03	5.97	4.68
ED2W	D	12.25	-0.41	-11.55	-9.53	-9.15	N/A	-10.85	-10.15	N/A	-10.75	N/A	5.23	5.48	-10.75	N/A	-0.15	-10.22	N/A	3.85	-8.36	-4.15
ES3W	S	7.24	1.93	1.49	1.40	0.56	N/A	-0.69	N/A	N/A	0.01	N/A	3.72	4.02	2.94	3.59	2.32	2.57	0.80	0.45	-0.82	-0.91
ED3W	D	10.71	2.33	4.17	4.17	1.74	N/A	2.32	2.31	N/A	2.73	N/A	4.72	4.99	4.67	4.38	4.67	3.15	3.91	0.08	-1.38	1.55
ES4W	S	7.67	-5.61	1.08	1.11	0.93	N/A	7.67	N/A	N/A	-1.23	N/A	-5.56	-4.20	-4.34	-4.42	1.60	-8.93	0.02	0.37	-8.54	0.06

Table 3-2
Summary of Groundwater Level Measurements
Former CTS Printex Superfund Site
Mountain View, California

Well[a]		TOC (feet)[b]	08-Nov-90	03-Dec-90	09-Jan-91	13-Feb-91	18-Mar-91	25-Apr-91	29-May-91	11-Jun-91	08-Jul-91	30-Aug-91	17-Sep-91	09-Oct-91	13-Nov-91	03-Dec-91	07-Jan-92	27-Feb-92	11-Mar-92	06-Apr-92	21-May-92	16-Jun-92
1W	I	19.68	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2W	I	16.04	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3W	I	17.12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4W	I	20.46	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5W	I	17.57	5.09	5.15	5.63	5.19	6.01	6.23	5.92	5.93	5.87	5.39	5.43	5.01	5.00	5.05	6.06	10.73	6.76	6.49	5.96	5.46
6W	I	20.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.61	8.58	8.39	N/A	N/A
7W	S	17.55	6.11	5.75	6.57	5.76	5.96	6.92	6.66	6.60	6.54	5.91	6.38	5.74	5.69	5.95	6.33	7.90	7.82	7.60	6.87	6.20
8W	D	17.59	6.00	5.21	5.91	5.24	6.59	6.96	6.66	5.99	6.58	5.44	6.38	5.77	5.82	5.31	5.87	7.90	7.72	6.93	6.23	5.56
9W	D	16.07	5.38	5.41	5.81	5.46	6.07	6.31	5.99	6.00	5.90	5.50	5.65	5.12	5.20	5.31	5.95	6.97	6.87	6.54	5.97	5.34
10W	S	16.15	5.32	5.33	6.05	5.46	6.08	6.31	6.03	6.00	5.94	5.51	5.69	5.15	5.24	5.19	6.00	6.99	6.96	6.54	5.97	5.33
11W	D	13.28	4.90	4.90	5.43	5.03	5.49	6.03	5.73	5.73	5.68	5.18	5.40	4.69	4.75	4.73	1.46	6.37	6.75	6.21	5.64	4.93
12W	S	13.47	4.87	4.92	5.42	4.99	5.67	6.06	5.68	5.69	5.83	5.12	5.55	4.62	4.70	4.69	1.62	7.00	6.92	6.43	5.59	4.79
13W	S	16.40	4.85	4.89	5.41	4.99	5.69	6.04	5.69	5.72	5.68	5.11	5.29	4.66	4.68	4.72	5.59	6.67	7.46	6.16	5.61	4.94
14W	D	16.19	4.97	4.98	5.51	5.09	5.90	6.12	5.81	5.82	5.77	5.21	5.36	4.78	4.78	4.83	5.69	6.72	6.65	6.28	5.75	5.15
15W	D	18.35	6.92	6.92	7.46	6.94	7.46	7.93	7.66	7.58	7.46	7.11	7.10	6.84	6.77	6.85	7.39	8.63	8.62	N/A	7.83	7.33
16W	S	18.35	6.94	6.94	7.51	6.96	7.49	7.97	7.69	7.61	7.51	7.14	7.13	6.83	6.77	6.86	7.42	8.50	N/A	N/A	7.81	7.41
17W	I	14.89	4.01	4.04	4.51	4.22	4.99	4.56	4.06	4.65	4.59	4.12	4.29	2.05	1.88	1.99	3.66	3.59	3.34	3.16	2.26	2.03
19W	D	10.92	3.72	3.67	4.16	3.78	4.32	4.44	4.03	4.59	4.26	3.92	3.92	2.25	3.73	2.90	3.85	4.78	4.62	4.40	3.73	3.25
20W	S	11.00	3.46	3.38	3.93	3.48	3.95	1.16	3.72	4.07	4.02	3.70	3.66	2.81	2.50	2.45	3.41	4.53	4.35	4.12	3.34	2.79
21W	D	11.66	1.84	1.84	3.33	4.00	2.70	2.64	2.21	2.18	2.21	2.05	1.98	1.60	1.36	1.36	2.36	3.20	3.03	2.77	1.85	1.51
22W	D	9.99	2.48	2.34	3.00	2.41	2.93	3.11	2.57	3.10	3.09	2.89	2.81	1.88	1.32	0.99	2.08	3.34	3.07	2.80	1.70	1.22
23W	S	9.87	2.41	2.24	2.93	0.39	2.77	3.02	2.44	3.11	3.08	2.88	2.81	1.71	1.07	0.85	1.94	3.17	2.90	2.69	1.58	1.10
25W	S	10.71	2.82	2.95	3.22	3.06	3.97	4.40	4.21	4.25	4.25	3.29	3.25	2.77	2.82	2.79	3.90	4.48	4.50	4.20	3.60	3.29
26W	S	11.61	1.83	3.61	2.33	2.06	2.69	2.65	2.02	2.20	2.21	2.06	1.98	1.60	1.36	1.38	2.39	3.25	3.05	2.83	1.89	1.54
27W	D	13.49	4.25	4.30	4.74	4.52	5.30	5.44	5.19	5.19	5.14	4.61	4.59	4.13	4.10	4.11	5.17	5.86	5.79	5.51	5.06	4.52
28W	S	13.33	3.98	4.03	4.45	4.21	4.98	5.13	4.88	4.89	4.87	4.33	4.32	3.88	3.88	3.87	4.85	5.54	5.50	5.26	4.80	4.28
29W	I	9.01	2.50	2.51	2.82	2.74	3.37	3.33	3.09	3.06	3.17	2.57	2.48	2.27	2.51	2.43	3.52	3.37	3.59	3.21	2.86	2.54
31W	D	8.69	0.63	0.80	1.16	1.13	1.35	1.11	0.69	0.67	0.80	0.78	0.74	0.69	0.17	0.54	1.11	2.03	1.83	1.53	0.72	0.47
33W	S	9.99	2.36	2.26	2.92	2.17	2.95	3.09	2.54	2.94	2.88	2.72	2.64	1.87	1.33	1.22	N/A	3.49	3.23	2.97	N/A	1.44
34W	S	12.44	4.42	4.39	4.72	4.91	4.92	5.00	4.76	4.83	4.76	4.60	4.59	4.29	4.13	4.12	4.75	5.50	5.38	5.25	4.79	4.45
35W	D	8.80	0.33	0.50	0.64	0.69	1.26	0.88	0.64	0.50	0.50	0.57	0.52	0.40	0.20	0.30	1.18	1.65	1.47	1.18	0.63	0.44
36W	S	8.84	0.32	0.48	0.62	0.67	1.26	0.87	0.62	0.49	0.49	0.55	0.51	0.39	0.17	0.28	1.17	1.59	1.44	1.15	0.62	0.42
37W	D	10.22	1.79	1.83	2.01	2.02	2.32	2.27	2.04	2.05	2.05	1.77	1.64	1.60	1.70	1.70	2.45	2.35	2.59	2.23	1.94	1.69
38W	S	5.18	3.73	3.76	4.24	4.13	4.59	4.53	4.22	4.26	4.16	4.00	3.98	3.65	3.52	3.49	4.29	5.08	4.97	4.77	4.11	3.80
39W	S	5.97	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
D1W	D	17.43	6.79	6.77	7.34	6.80	5.77	7.80	7.45	7.51	7.38	7.02	7.03	6.63	6.59	5.72	7.37	8.54	8.48	8.28	7.68	7.22
D2W	D	13.44	5.15	5.17	5.67	5.27	5.84	6.15	5.79	5.86	5.83	5.35	5.49	4.94	4.89	4.97	1.72	6.71	6.74	6.36	5.84	5.21
ES1W	S	16.76	6.11	5.69	-1.84	1.25	1.26	2.56	N/A	N/A	1.91	5.85	6.41	5.73	5.28	5.93	N/A	7.86	7.74	5.09	6.84	-1.44
ED1W	D	16.62	6.13	4.43	6.58	4.08	6.52	6.97	N/A	N/A	6.57	4.60	6.42	5.87	5.43	5.98	5.02	7.93	6.39	6.33	6.94	4.73
ES2W	S	14.19	4.17	4.14	4.85	4.37	4.02	5.69	N/A	N/A	N/A	4.68	5.04	4.34	4.30	4.48	5.31	6.47	6.75	4.84	4.30	3.64
ED2W	D	12.25	3.99	4.02	4.48	4.37	2.12	3.79	N/A	N/A	4.30	3.90	4.25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-10.60	N/A
ES3W	S	7.24	2.78	2.59	3.25	1.38	-0.32	2.28	N/A	N/A	0.74	1.54	2.94	-0.63	-1.14	-2.09	-0.60	1.33	1.04	0.81	-1.02	-1.95
ED3W	D	10.71	2.16	3.22	2.34	2.18	3.36	4.41	N/A	N/A	4.20	2.84	2.77	2.37	2.38	2.31	3.41	4.15	4.26	3.96	3.36	3.07
ES4W	S	7.67	-7.67	0.26	0.66	0.55	0.66	N/A	N/A	N/A	0.27	N/A	N/A	-6.28	-4.64	N/A	N/A	-3.33	-3.84	-4.36	-5.62	-6.06

Table 3-2
Summary of Groundwater Level Measurements
Former CTS Printex Superfund Site
Mountain View, California

Well[a]		TOC (feet)[b]	06-Jul-92	28-Aug-92	03-Sep-92	12-Oct-92	17-Nov-92	09-Dec-92	08-Jan-93	22-Feb-93	09-Mar-93	07-Apr-93	10-May-93	03-Jun-93	07-Jul-93	16-Aug-93	29-Sep-93	26-Oct-93	15-Nov-93	10-Dec-93	04-Jan-94	15-Feb-94
1W	I	19.68	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2W	I	16.04	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3W	I	17.12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4W	I	20.46	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5W	I	17.57	5.42	4.95	5.00	4.93	5.28	5.73	6.90	7.92	7.37	7.11	6.37	6.20	5.87	5.81	5.85	5.95	6.00	6.49	6.43	6.72
6W	I	20.10	N/A	N/A	N/A	N/A	N/A	N/A	8.62	9.83	9.27	8.99	8.40	8.30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7W	S	17.55	6.38	4.91	4.91	4.82	5.10	5.98	7.00	8.46	7.96	7.69	7.04	6.91	5.59	6.46	6.49	6.61	6.79	7.23	N/A	7.78
8W	D	17.59	6.39	4.57	4.57	4.50	4.78	5.83	6.99	8.40	7.96	7.73	7.03	7.05	5.47	6.40	6.42	6.53	6.69	7.14	N/A	7.61
9W	D	16.07	5.32	4.64	4.66	4.59	5.01	5.40	6.57	7.76	7.35	7.10	5.24	6.10	4.72	5.52	5.48	5.83	5.94	6.34	N/A	6.79
10W	S	16.15	5.32	4.63	4.65	4.59	5.01	5.46	6.59	7.79	7.40	7.17	5.22	6.16	4.69	5.52	5.49	5.83	5.87	6.35	6.38	6.78
11W	D	13.28	4.91	4.30	4.32	4.28	4.77	N/A	6.21	7.11	7.12	6.82	5.82	5.66	5.29	5.19	5.16	5.50	5.53	5.90	6.40	6.51
12W	S	13.47	4.81	4.15	4.19	4.15	4.68	N/A	6.30	7.47	7.25	7.02	5.73	5.57	5.17	5.06	4.97	5.52	5.49	6.08	6.12	6.86
13W	S	16.40	4.94	4.32	4.38	4.32	4.80	5.23	6.39	7.46	7.13	6.87	5.86	5.75	5.33	5.24	5.25	5.64	5.56	6.08	6.20	6.51
14W	D	16.19	5.14	4.55	4.61	4.53	4.96	6.41	6.54	7.61	7.22	6.98	6.07	6.04	5.54	5.48	5.49	5.81	5.73	6.23	6.15	6.63
15W	D	18.35	7.32	6.66	6.64	6.53	6.76	7.22	8.22	9.62	9.17	8.90	7.36	8.11	6.84	7.69	7.69	7.80	7.91	6.25	6.26	8.68
16W	S	18.35	7.36	6.67	6.65	6.56	6.78	7.21	8.13	10.32	8.75	8.62	7.24	8.21	6.89	7.74	7.73	7.83	7.92	8.21	8.32	8.59
17W	I	14.89	2.01	1.67	1.76	1.92	3.95	2.51	3.72	4.56	4.33	4.04	3.24	7.09	1.78	2.79	2.89	4.65	4.47	3.28	3.24	3.64
19W	D	10.92	3.18	2.77	2.84	2.78	3.18	3.55	4.48	5.51	5.25	4.91	4.12	3.91	3.01	3.44	3.47	3.86	3.75	4.16	3.30	4.42
20W	S	11.00	2.68	2.33	2.40	2.41	2.79	3.14	4.12	5.27	5.05	4.68	3.78	3.58	3.59	2.95	3.01	3.50	3.29	3.78	4.21	4.09
21W	D	11.66	1.40	1.22	1.32	1.21	1.46	1.99	2.92	3.95	3.73	3.26	1.54	2.30	1.71	1.64	1.70	1.94	1.85	2.48	3.92	2.69
22W	D	9.99	1.12	0.74	0.79	0.71	1.06	1.57	2.73	4.11	3.88	3.42	2.57	2.01	1.69	1.49	1.54	1.88	1.89	2.25	2.50	2.69
23W	S	9.87	1.02	0.61	0.68	0.58	0.94	1.45	2.58	4.01	3.79	3.28	2.25	1.88	1.49	1.34	1.42	1.78	1.75	2.29	2.39	2.68
25W	S	10.71	3.23	2.97	3.07	2.98	3.35	3.88	4.89	5.56	5.59	5.06	4.14	4.10	3.52	3.61	3.91	4.12	3.57	4.00	2.40	4.75
26W	S	11.61	1.42	1.23	1.31	1.23	1.48	1.98	2.92	3.94	3.78	3.32	2.44	2.25	1.73	1.64	1.61	1.83	1.95	2.07	4.51	2.59
27W	D	13.49	4.47	4.15	4.18	4.11	4.52	4.96	6.10	6.89	6.48	6.18	5.41	5.28	4.88	4.84	4.94	5.18	5.01	5.47	2.39	5.77
28W	S	13.33	4.24	3.91	3.95	3.91	4.23	4.69	5.78	6.56	6.16	5.90	5.13	4.89	4.62	4.63	4.49	4.90	4.76	5.20	5.51	5.52
29W	I	9.01	2.48	2.29	2.58	2.29	2.62	3.30	4.01	4.42	4.05	3.88	3.28	2.90	2.59	2.81	3.01	2.94	3.06	3.49	5.27	3.60
31W	D	8.69	0.31	0.27	0.38	0.26	0.38	0.97	2.06	3.10	3.08	2.14	1.10	1.14	0.61	0.50	0.51	0.63	0.87	1.33	3.46	1.49
33W	S	9.99	1.33	1.45	1.05	0.99	N/A	1.71	2.86	4.29	4.01	3.52	N/A	2.31	N/A	1.54	1.55	1.84	1.90	2.37	1.26	2.80
34W	S	12.44	4.41	3.93	3.91	3.85	4.21	4.58	5.22	6.12	5.85	5.65	5.12	4.85	4.69	4.45	4.54	4.73	4.72	5.01	2.50	5.24
35W	D	8.80	0.30	0.36	0.47	0.30	0.28	0.90	1.87	2.58	2.04	0.74	0.91	0.94	0.57	0.54	0.51	0.50	0.75	1.15	5.02	1.15
36W	S	8.84	0.30	0.36	0.46	0.31	0.25	0.92	1.85	2.58	2.03	1.60	0.92	0.86	0.55	0.53	0.48	0.47	0.74	1.14	0.96	1.12
37W	D	10.22	1.66	1.52	1.82	1.57	1.80	2.22	2.78	3.03	2.89	2.67	N/A	N/A	N/A	N/A	2.15	1.57	1.70	N/A	0.97	N/A
38W	S	5.18	3.68	3.36	3.38	3.30	3.57	3.96	4.91	6.60	5.47	5.18	4.58	4.50	4.04	2.88	N/A	4.08	4.12	4.48	N/A	4.79
39W	S	5.97	----	9.26	9.25	4.17	4.31	4.38	5.19	6.90	6.29	5.97	4.39	5.40	3.89	4.71	4.72	4.80	4.88	5.12	4.51	5.50
D1W	D	17.43	7.19	6.53	6.51	6.47	6.73	7.20	8.23	9.54	9.17	8.89	8.23	N/A	7.45	7.54	7.61	7.74	7.78	8.21	5.24	8.58
D2W	D	13.44	5.17	4.73	4.65	4.58	5.06	N/A	6.42	7.60	7.25	7.00	6.11	6.11	5.58	5.47	5.49	5.83	5.79	6.19	N/A	6.63
ES1W	S	16.76	6.33	1.96	-1.14	2.17	-3.15	N/A	N/A	N/A	6.21	2.66	3.62	N/A	-2.49	0.95	1.26	-1.42	6.79	7.22	6.29	7.80
ED1W	D	16.62	6.42	3.69	3.69	3.64	3.85	5.57	6.67	8.14	7.72	7.60	5.85	N/A	5.27	N/A	6.22	6.30	6.47	6.90	7.31	7.44
ES2W	S	14.19	3.64	2.92	2.94	2.86	3.47	3.99	5.27	7.12	6.92	6.98	3.92	N/A	2.54	3.36	1.21	3.64	3.71	4.39	6.96	5.80
ED2W	D	12.25	N/A	N/A	N/A	N/A	N/A	-9.15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.56	4.42	N/A	4.92	N/A
ES3W	S	7.24	-1.98	-3.20	-3.20	-3.53	-2.60	-1.53	-0.29	2.26	2.17	1.64	0.03	N/A	-2.31	-1.41	-1.61	-0.95	-0.94	-0.14	-0.21	0.07
ED3W	D	10.71	3.06	2.76	2.91	2.78	3.19	3.69	-1.01	5.28	5.43	4.68	3.89	N/A	3.31	3.44	-4.53	4.18	3.06	3.47	3.53	4.78
ES4W	S	7.67	-6.63	-6.96	-6.83	-7.31	-7.10	-7.02	1.65	2.97	2.78	-1.91	-4.06	N/A	-7.13	-7.95	0.75	-7.26	-6.45	-5.13	-5.63	-5.08

Table 3-2
Summary of Groundwater Level Measurements
Former CTS Printex Superfund Site
Mountain View, California

Well[a]		TOC (feet)[b]	10-Mar-94	08-Apr-94	23-May-94	07-Jun-94	07-Jul-94	22-Aug-94	13-Sep-94	06-Oct-94	23-Nov-94	01-Dec-94	16-Jan-95	13-Feb-95	15-Mar-95	26-Apr-95	15-May-95	02-Jun-95	19-Jul-95	08-Aug-95	12-Sep-95	09-Oct-95
1W	I	19.68	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2W	I	16.04	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3W	I	17.12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4W	I	20.46	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5W	I	17.57	6.73	6.57	6.69	6.49	6.30	6.41	5.96	6.54	6.77	6.96	8.30	7.21	8.02	6.90	6.81	6.61	6.42	6.36	6.20	6.18
6W	I	20.10	N/A	N/A	N/A	8.32	8.20	8.25	N/A	8.28	8.53	8.70	10.08	9.15	9.90	8.92	8.83	8.66	8.49	8.44	8.32	8.29
7W	S	17.55	7.82	7.66	7.49	7.24	6.92	7.35	6.95	7.44	7.80	8.01	9.53	8.39	9.20	9.90	7.75	7.55	7.29	7.13	6.96	6.90
8W	D	17.59	7.69	7.51	7.45	7.28	6.90	7.37	7.03	7.47	7.84	8.04	9.53	8.33	9.02	7.80	7.64	7.46	7.21	7.11	6.97	6.90
9W	D	16.07	6.78	6.61	6.81	6.56	6.29	6.47	6.10	6.62	6.94	7.14	8.60	7.18	8.02	7.02	6.86	6.70	6.47	6.27	6.33	6.01
10W	S	16.15	6.79	6.62	6.85	6.59	6.33	6.51	6.15	6.66	6.99	7.20	8.64	7.17	8.00	6.92	6.78	6.60	6.21	6.16	6.00	5.99
11W	D	13.28	6.56	6.33	6.42	6.32	6.07	6.27	5.75	6.51	6.79	6.93	8.12	6.89	7.53	6.64	6.53	6.32	6.03	5.88	5.73	5.71
12W	S	13.47	6.71	6.45	6.77	6.43	6.05	6.39	5.76	6.64	6.99	7.09	8.56	7.17	8.02	6.58	6.72	6.48	6.02	5.82	5.60	5.60
13W	S	16.40	6.51	6.34	6.57	6.25	6.02	6.21	5.64	6.42	6.72	6.92	8.32	6.90	7.80	6.61	7.39	6.30	6.02	5.90	5.72	5.72
14W	D	16.19	6.61	6.44	6.63	6.37	6.15	6.31	5.75	6.49	6.78	6.98	8.23	7.18	7.92	6.80	6.68	6.48	7.01	6.14	5.97	5.94
15W	D	18.35	5.64	8.48	8.58	8.40	8.16	8.23	8.03	8.26	8.62	8.80	10.35	9.35	10.15	9.02	8.85	8.70	8.46	8.37	8.30	8.23
16W	S	18.35	8.44	8.32	8.37	8.24	8.06	8.10	7.95	8.17	8.46	8.60	10.10	9.04	9.85	8.66	8.48	8.38	8.23	8.17	8.10	8.08
17W	I	14.89	3.91	3.68	5.38	3.39	3.28	3.48	2.78	5.28	5.48	5.74	6.97	4.39	5.14	3.99	3.84	3.64	3.41	3.34	3.22	3.23
19W	D	10.92	4.97	4.79	4.65	4.56	4.39	4.41	3.80	4.64	4.92	5.13	6.07	5.40	5.93	5.13	5.03	4.90	4.61	4.43	4.31	4.23
20W	S	11.00	4.80	4.60	4.39	4.33	4.17	4.22	3.40	4.45	4.73	4.92	5.61	5.11	5.55	4.91	4.79	4.68	4.43	4.19	4.04	3.94
21W	D	11.66	3.26	3.02	2.84	2.74	2.55	2.45	2.06	2.69	3.31	3.53	4.63	3.91	4.54	3.57	3.46	3.31	3.06	2.86	2.68	2.60
22W	D	9.99	3.86	3.71	3.22	3.45	3.33	3.28	2.37	3.47	3.25	3.96	4.68	4.48	4.89	4.20	4.22	4.00	3.55	3.39	3.26	3.21
23W	S	9.87	3.97	3.71	3.07	3.44	3.35	3.29	2.25	3.46	2.97	4.16	3.92	4.42	4.88	4.17	3.97	3.97	3.52	3.36	3.22	3.05
25W	S	10.71	4.87	4.81	4.48	4.54	1.33	2.41	3.30	4.71	4.91	5.09	6.26	5.30	6.02	4.99	4.94	4.72	4.41	4.36	4.21	4.11
26W	S	11.61	3.11	2.87	2.69	2.62	2.42	2.33	1.97	2.64	3.27	3.31	4.51	3.76	4.38	3.46	3.34	3.20	2.91	2.74	2.60	2.52
27W	D	13.49	5.85	5.70	5.73	5.57	5.48	5.45	4.82	5.67	5.89	6.05	7.21	6.19	6.94	5.89	5.79	5.62	5.39	5.30	5.14	5.11
28W	S	13.33	5.59	5.43	5.48	5.33	5.17	5.22	4.56	5.41	5.62	5.79	7.04	6.03	6.76	5.71	5.66	5.48	5.23	5.17	5.03	5.01
29W	I	9.01	3.66	1.61	3.31	3.33	3.08	3.19	2.65	3.59	3.68	3.83	4.67	3.96	3.54	3.76	3.79	3.60	3.12	3.18	3.07	2.91
31W	D	8.69	1.86	1.58	1.52	1.35	1.22	4.02	1.46	1.74	2.38	2.61	4.04	3.04	3.94	N/A	2.60	2.41	2.20	2.06	1.86	1.79
33W	S	9.99	3.89	3.62	3.20	N/A	3.22	3.07	2.30	3.23	3.83	N/A	5.05	4.42	4.99	N/A	4.02	3.88	3.58	3.34	N/A	3.06
34W	S	12.44	5.44	5.32	5.32	5.19	4.97	5.00	4.83	5.08	5.32	5.45	6.23	5.86	6.28	5.61	5.54	5.43	5.23	5.10	5.00	4.99
35W	D	8.80	1.32	1.09	1.09	0.90	0.84	0.68	0.60	0.92	1.37	1.56	2.85	1.93	1.72	1.60	1.64	1.42	1.36	1.30	1.09	1.02
36W	S	8.84	1.32	1.08	1.08	0.90	0.83	0.67	0.59	0.92	1.37	1.55	2.82	1.94	2.77	1.59	1.65	1.43	1.36	1.29	1.09	1.01
37W	D	10.22	2.56	2.21	2.24	2.20	2.00	2.06	1.83	2.48	2.53	2.63	3.26	2.76	4.12	2.65	2.63	2.57	2.12	2.22	2.14	1.92
38W	S	5.18	4.75	5.49	4.79	4.71	4.50	4.39	4.20	4.48	5.57	N/A	6.20	5.53	6.15	5.24	5.10	4.97	4.72	4.62	4.50	4.45
39W	S	5.97	5.66	5.40	5.49	5.32	5.15	3.97	4.93	7.78	8.18	8.35	10.21	9.19	10.14	8.79	8.63	8.46	8.19	8.09	7.96	7.92
D1W	D	17.43	8.76	N/A	8.52	8.28	8.02	8.17	7.88	8.25	8.56	8.73	10.24	9.23	N/A	8.92	8.73	8.63	8.35	N/A	8.16	8.13
D2W	D	13.44	6.69	6.52	6.59	6.39	6.18	6.33	5.85	6.56	6.77	7.04	8.33	7.24	7.89	6.89	6.75	6.59	6.29	6.19	6.02	6.01
ES1W	S	16.76	4.45	6.96	7.07	6.67	4.09	7.35	6.82	7.44	7.82	8.01	N/A	8.32	9.02	7.71	N/A	7.36	7.01	6.73	6.46	6.28
ED1W	D	16.62	7.27	7.10	7.26	7.02	6.75	7.41	6.59	7.49	7.82	8.04	9.58	8.18	8.59	7.44	7.32	7.15	6.87	6.78	6.65	6.64
ES2W	S	14.19	5.82	5.55	6.64	6.27	5.99	6.42	5.72	6.67	6.91	7.11	8.57	3.14	5.49	4.21	4.09	3.84	3.60	3.04	2.82	2.79
ED2W	D	12.25	N/A	N/A	N/A	N/A	N/A	-6.85	N/A	5.23	5.45	5.68	6.92	-2.55	-1.85	-5.20	-5.98	-6.95	0.30	-7.05	-7.05	dry
ES3W	S	7.24	4.11	2.99	3.08	N/A	N/A	3.40	0.84	3.61	4.06	4.19	-0.21	3.59	4.16	4.24	N/A	2.69	2.46	3.09	3.04	2.86
ED3W	D	10.71	4.80	4.76	4.70	4.59	4.39	4.41	3.49	4.74	4.93	5.13	6.26	5.32	6.68	4.99	4.97	4.72	4.89	4.43	4.21	4.14
ES4W	S	7.67	-3.93	-4.59	-4.93	-5.51	-5.12	3.40	-0.07	1.39	2.05	2.27	3.77	2.70	2.92	2.34	2.25	2.17	1.30	1.69	1.50	1.42

Table 3-2
Summary of Groundwater Level Measurements
Former CTS Printex Superfund Site
Mountain View, California

Well[a]		TOC (feet)[b]	16-Nov-95	27-Dec-95	17-Jan-96	12-Mar-96	13-May-96	14-Jun-96	09-Jul-96	13-Aug-96	12-Nov-96	24-Mar-97	02-Jul-97	11-Aug-97	25-Sep-97	22-Dec-97	29-Dec-98	04-Nov-99	08-Nov-00	01-Nov-01	25-Nov-02
1W	I	19.68	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2W	I	16.04	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3W	I	17.12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4W	I	20.46	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5W	I	17.57	6.47	7.25	7.25	7.69	6.78	6.64	6.54	6.55	6.82	7.17	N/A	N/A	N/A	N/A	N/A	N/A	----	----	----
6W	I	20.10	8.45	9.20	9.23	9.67	8.80	8.65	8.59	8.58	8.77	9.63	N/A	N/A	N/A	N/A	N/A	N/A	----	----	----
7W	S	17.55	7.33	8.25	8.15	8.67	7.92	7.75	7.64	7.59	7.90	8.35	8.00	7.92	7.97	8.82	9.22	8.73	8.45	8.82	8.40
8W	D	17.59	7.40	8.29	8.11	8.71	7.90	7.74	7.64	7.58	7.91	8.34	7.99	7.92	7.96	8.80	9.27	8.75	8.44	8.80	8.37
9W	D	16.07	6.26	7.19	7.18	7.92	7.09	6.92	6.62	6.56	6.92	7.39	N/A	6.99	6.87	7.93	8.73	7.16	7.52	7.93	7.44
10W	S	16.15	6.24	7.19	7.19	8.00	6.89	6.75	6.60	6.57	7.00	7.42	N/A	7.02	7.04	7.85	8.78	8.32	7.55	7.85	7.46
11W	D	13.28	6.03	6.98	6.93	7.43	6.67	6.53	N/A	6.38	6.83	7.24	6.90	6.89	6.92	7.69	6.08	7.01	7.33	7.69	7.27
12W	S	13.47	6.00	7.19	7.13	7.66	6.88	6.74	N/A	6.48	6.96	7.37	7.06	7.02	7.04	7.79	6.13	7.15	7.47	7.79	7.41
13W	S	16.40	6.05	6.99	6.95	7.43	6.55	6.40	6.25	6.25	6.70	7.10	6.80	6.79	7.40	7.59	9.31	7.15	N/A	7.59	7.17
14W	D	16.19	6.24	7.09	7.07	7.59	6.71	6.54	6.44	6.41	6.76	7.17	6.85	6.86	6.81	7.63	9.03	6.91	N/A	7.63	7.23
15W	D	18.35	8.40	9.20	9.15	9.72	8.84	8.70	11.98	8.54	8.74	9.14	N/A	8.69	8.72	9.56	9.26	8.90	9.24	9.56	9.19
16W	S	18.35	8.24	8.75	8.81	9.20	8.57	8.45	11.65	8.30	8.48	8.81	N/A	8.43	8.47	9.31	9.59	8.63	8.80	9.31	8.89
17W	I	14.89	3.48	4.73	4.60	5.44	4.66	4.46	4.28	4.22	5.44	5.04	5.51	5.52	5.55	6.22	6.17	5.55	N/A	6.20	5.96
19W	D	10.92	4.21	5.17	5.08	5.59	4.27	4.70	4.55	4.44	4.81	5.18	N/A	4.88	1.90	5.54	5.78	4.96	5.21	5.54	5.16
20W	S	11.00	3.86	4.78	4.78	5.14	4.60	4.43	4.30	4.18	4.86	4.92	4.66	4.66	1.64	5.21	6.11	4.70	4.85	5.21	4.91
21W	D	11.66	2.54	3.66	3.53	4.12	3.21	3.06	2.86	2.73	3.09	3.56	3.13	3.19	N/A	3.97	8.18	N/A	N/A	3.97	3.67
22W	D	9.99	2.89	3.96	3.90	4.36	3.79	3.69	3.44	3.29	3.74	3.96	N/A	3.85	N/A	4.47	5.92	4.08	4.24	----	4.17
23W	S	9.87	2.79	3.95	3.82	4.47	3.77	3.50	3.42	3.24	3.76	4.18	3.72	3.85	0.89	4.45	5.75	3.95	4.17	4.45	4.16
25W	S	10.71	4.41	5.28	5.26	5.69	4.74	4.56	3.93	4.46	4.81	5.13	4.91	4.91	N/A	4.55	5.71	4.87	5.11	0.00	N/A
26W	S	11.61	2.49	3.50	3.48	3.97	3.12	2.96	2.81	2.66	3.01	3.46	3.03	3.09	N/A	4.08	8.27	N/A	N/A	----	----
27W	D	13.49	5.27	6.19	6.19	6.61	5.70	5.55	5.41	5.47	5.74	6.01	N/A	N/A	N/A	N/A	N/A	N/A	----	----	----
28W	S	13.33	5.27	6.03	6.04	6.45	5.58	5.43	5.30	5.33	5.62	6.02	N/A	5.70	5.79	6.35	7.44	5.43	N/A	----	----
29W	I	9.01	3.35	4.02	4.05	4.46	3.39	3.27	3.11	3.11	3.98	3.71	N/A	N/A	N/A	N/A	N/A	N/A	----	----	----
31W	D	8.69	2.39	2.94	2.81	3.36	2.41	2.96	2.04	1.94	2.10	3.36	2.20	2.25	2.36	3.15	6.09	2.46	N/A	----	----
33W	S	9.99	2.79	3.99	3.88	4.53	3.75	3.55	3.38	N/A	3.59	4.09	N/A	3.70	N/A	4.42	5.97	3.85	4.09	4.42	2.11
34W	S	12.44	5.04	5.66	5.62	5.94	5.41	5.29	5.20	5.13	5.29	5.59	5.34	5.30	5.31	5.81	6.94	6.40	N/A	5.81	5.55
35W	D	8.80	0.98	1.96	1.84	2.25	1.56	1.50	1.30	1.20	1.21	1.82	N/A	N/A	N/A	N/A	N/A	N/A	----	----	----
36W	S	8.84	0.95	1.95	1.85	2.27	1.54	1.47	1.30	1.22	1.21	1.82	N/A	N/A	N/A	N/A	N/A	N/A	----	----	----
37W	D	10.22	2.34	2.84	2.84	3.09	2.41	2.19	2.18	2.04	2.37	2.59	N/A	N/A	N/A	N/A	N/A	N/A	----	----	----
38W	S	5.18	4.50	5.32	5.28	5.68	4.95	4.80	4.65	4.55	4.74	5.14	4.77	4.79	4.69	5.55	6.59	N/A	N/A	----	-1.27
39W	S	5.97	8.03	8.93	8.85	9.38	8.50	8.35	8.18	8.10	8.25	8.72	N/A	8.15	8.17	9.21	7.53	N/A	----	----	----
D1W	D	17.43	8.33	9.16	9.11	9.62	8.80	8.65	8.53	8.49	8.70	9.13	N/A	8.72	8.65	9.56	8.33	7.89	9.22	----	----
D2W	D	13.44	6.26	6.99	7.07	7.51	6.78	6.64	N/A	6.46	6.85	7.21	N/A	6.90	6.91	7.68	6.25	7.14	7.33	----	----
ES1W	S	16.76	7.01	7.97	7.86	N/A	7.85	7.66	7.56	7.49	7.89	8.35	N/A	7.92	N/A	8.81	8.43	N/A	----	----	----
ED1W	D	16.62	7.47	8.42	8.37	N/A	7.84	7.67	7.57	7.52	7.92	8.37	N/A	7.96	N/A	10.56	8.27	N/A	----	----	----
ES2W	S	14.19	3.24	4.81	4.99	6.01	5.05	4.84	4.78	4.74	6.91	7.34	N/A	7.01	N/A	7.82	6.81	6.39	----	----	----
ED2W	D	12.25	dry	-5.09	-5.03	1.85	-4.63	1.87	0.35	0.05	5.37	N/A	N/A	5.48	N/A	4.44	6.57	6.86	----	----	----
ES3W	S	7.24	2.11	3.44	3.20	4.09	3.54	3.28	3.34	3.04	3.84	N/A	N/A	3.95	N/A	4.50	3.01	1.34	----	----	----
ED3W	D	10.71	4.44	5.31	5.31	5.74	4.91	4.63	4.41	4.61	4.85	5.17	N/A	4.98	N/A	4.63	5.65	5.08	----	----	----
ES4W	S	7.67	0.71	2.57	2.49	3.22	1.70	1.27	1.69	1.46	1.77	1.67	N/A	1.90	N/A	2.84	5.39	1.83	----	----	----

Table 3-2
Summary of Groundwater Level Measurements
Former CTS Printex Superfund Site
Mountain View, California

Well[a]		TOC (feet)[b]	04-Dec-02	03--Dec-03	29-Dec-04	30-Dec-05	07-Sep-06	27-Dec-07	25-Sep-08	02-Dec-09	11-Jan-10	24-Feb-10
1W	I	19.68	----	----	----	----	----	----	----	----	----	----
2W	I	16.04	----	----	----	----	----	----	----	----	----	----
3W	I	17.12	----	----	----	----	----	----	----	----	----	----
4W	I	20.46	----	----	----	----	----	----	----	----	----	----
5W	I	17.57	----	----	----	----	----	----	----	----	----	----
6W	I	20.10	----	----	----	----	----	----	----	----	----	----
7W	S	17.55	8.38	9.17	8.51	9.31	8.34	8.88	9.10	8.59	----	8.65
8W	D	17.59	8.36	9.23	8.50	9.27	8.34	8.87	9.18	8.58	----	8.70
9W	D	16.07	7.45	8.62	7.97	8.25	7.36	----	----	----	----	----
10W	S	16.15	7.47	8.68	7.98	8.26	7.40	----	----	----	----	----
11W	D	13.28	7.06	6.22	7.55	8.93	7.16	7.36	6.12	7.29	5.86	----
12W	S	13.47	7.39	6.08	7.68	9.21	7.29	7.51	6.15	7.49	5.90	----
13W	S	16.40	7.18	9.22	N/A	8.07	7.15	7.41	9.23	7.39	9.00	----
14W	D	16.19	7.24	8.95	7.52	8.10	7.19	7.44	8.99	7.41	8.72	----
15W	D	18.35	9.18	9.17	8.50	10.06	9.17	----	----	----	----	----
16W	S	18.35	8.85	9.5	8.82	9.75	8.92	----	----	----	----	----
17W	I	14.89	5.72	9.17	8.65	6.49	5.67	9.09	9.28	5.87	8.99	----
19W	D	10.92	4.94	5.98	5.36	5.70	5.07	5.32	5.99	5.20	5.65	----
20W	S	11.00	4.90	6.1	5.78	5.50	4.81	5.27	6.32	4.95	5.99	----
21W	D	11.66	----	8.2	7.81	4.28	3.31	4.14	8.49	3.46	7.40	7.40
22W	D	9.99	4.13	5.86	5.40	4.80	3.99	4.14	6.17	4.11	5.75	----
23W	S	9.87	4.14	5.73	5.32	4.76	4.01	3.08	6.03	4.15	5.62	----
25W	S	10.71	N/A	5.97	N/A	5.86	5.03	5.70	6.04	5.19	----	5.12
26W	S	11.61	----	----	----	----	----	----	----	----	----	----
27W	D	13.49	----	----	----	----	----	----	----	----	----	----
28W	S	13.33	----	----	----	----	----	----	----	----	----	----
29W	I	9.01	----	----	----	----	----	----	----	----	----	----
31W	D	8.69	----	----	----	----	----	----	----	----	----	----
33W	S	9.99	4.07	5.92	N/A	4.83	3.88	4.04	6.30	4.05	5.82	----
34W	S	12.44	5.52	6.92	6.57	5.99	5.55	6.48	6.99	5.62	6.76	----
35W	D	8.80	----	----	----	----	----	----	----	----	----	----
36W	S	8.84	----	----	----	----	----	----	----	----	----	----
37W	D	10.22	----	----	----	----	----	----	----	----	----	----
38W	S	5.18	-1.33	6.51	5.95	-0.57			----	----	----	----
39W	S	5.97	----	----	----	----	----	----	----	----	----	----
D1W	D	17.43	----	----	----	----	----	----	----	----	----	----
D2W	D	13.44	----	----	----	----	----	----	----	----	5.91	----
ES1W	S	16.76	----	----	----	----	----	----	----	----	----	----
ED1W	D	16.62	----	----	----	----	----	----	----	----	----	----
ES2W	S	14.19	----	----	----	----	----	----	----	----	----	----
ED2W	D	12.25	----	----	----	----	----	----	----	----	----	----
ES3W	S	7.24	----	----	----	----	----	----	----	----	----	----
ED3W	D	10.71	----	----	----	----	----	----	----	----	----	----
ES4W	S	7.67	----	----	----	----	----	----	----	----	----	----

a. S/D = Well screened in both the 10 to 20 and 30 to 40 foot zone, S = well screened in the 10 to 20 foot zone only, D = well screened in the 30 to 40 foot zone only, I = well screened in the 60 to 75 foot zone only

b. Top of casing (TOC) elevation in feet above mean sea level (City of Mountain View datum)

c. Groundwater elevation in feet above mean sea level (City of Mountain View datum)

d. well did not exist

N/A Groundwater elevation not available (e.g. well was blocked)

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
5W	4/85	2	<1	<1	<1	<1						
	6/85	<1	<1	<1	<1	<1						
	8/85	<1	<1	<1	<1	<1						
	5/86	<1	<1	<1	<1	<1						
	8/86	<1	<1	<1	<1	<1						
	9/86	<1	<1	<1	<1	<1						
	1/87	<1	<1	<1	<1	<1						
	4/87	<1	<1	<1	<1	<1						
	3/88	<1	<1	<1	<1	<1						
	9/88	<1	<1	<1	<1	<1						
	6/89	<1	<1	<1	1.5	<1						
	12/89	<1	<1	<1	<1	<1						
	5/90	<1	<1	<1	1.5	<1						
	11/90	<1	<1	<1	3.2	<1						
	5/91	<1	<1	<1	2.9	<1						
	11/91	<0.2	0.3	<0.2	2.7	0.28						
	5/92	<0.2	0.38	<0.2	2.7	0.31						
	8/92	<0.2	0.53	<0.2	3.4	<0.2						
	11/92	<0.2	<0.25	<0.2	2.4	0.28						
	2/93	0.41	0.53	<0.2	3.4	0.33						
	5/93	0.42	0.66	<0.2	3.5	0.35						
	8/93	0.46	0.29	<0.2	3.6	<0.2						
	2/94	0.22	0.32	<0.2	3.9	0.29						
	8/94	0.21	0.23	<0.2	3.4	0.32						
	11/94	<0.5	<0.5	<0.5	3.4	<0.5						
	2/95	<0.5	<0.5	<0.5	2.7	<0.5						
	6/95	<0.5	<0.5	<0.5	1.6	<0.5						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	3.7	<1						
	1/96	<0.5	<0.5	<0.5	2	<0.5						
	6/96	<1	<1	<1	2.6	<1						
	7/96	<1	<1	<1	2.9	<1						
	11/96	NS	NS	NS	NS	NS						
	Well Decommissioned 05/97											
6W	4/85	2.6	<1	<1	<1	<1						
	6/85	<1	<1	<1	<1	<1						
	5/86	<1	<1	<1	<1	<1						
	8/86	<1	<1	<1	<1	<1						
	9/86	<1	<1	<1	<1	<1						
	1/87	<1	<1	<1	<1	<1						
	4/87	<1	<1	<1	<1	<1						
	3/88	<1	1.3	<1	<1	1						
	9/88	<1	<1	<1	<1	<1						
	2/92	<0.2	<0.2	<0.2	<0.2	<0.2						
	2/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	8/94	<0.2	<0.2	<0.2	0.28	<0.2						
	11/94	<0.5	<0.5	<0.5	<0.5	<0.5						
	2/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	6/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	<1						
	1/96	<0.5	<0.5	<0.5	<0.5	<0.5						
	6/96	<1	<1	<1	<1	<1						
	7/96	<1	<1	<1	<1	<1						
	11/96	NS	NS	NS	NS	NS						
	Well Decommissioned 05/97											
7W	8/85	122	<1	<1	<1	<1						
	5/86	37	34	7.6	36	11						
	8/86	39	35	17	24	12						
	9/86	35	36	<1	11	11						
	10/86	34	45	<1	16	13						
	1/87	37	37	<1	<1	10						
	4/87	30	27	3.2	15	3						
	10/87	41	25	2.8	12	8.5						
	3/88	34	17	3.3	8.9	6.8						
	9/88	33	15	1.6	4	3.8						
	6/89	29	22	2.3	6.7	6.1						
	9/89	43	23	3.7	11	10						
	12/89	21	8.8	<1	8.5	3.2						
	3/90	19	9.1	<1	7.5	4.7						
	5/90	18	9	1.2	5.1	3.1						
	9/90	24	9.6	1.9	4.1	5.7						
	11/90	20	6.2	1.4	5.3	4						
	2/91	16	6.7	1	4.6	3.4						
	5/91	16	9.3	6.6	<1	5.4						
	8/91	12	4.1	0.68	3.4	2.6						
	11/91	15	3.9	1.4	<0.4	2.9						
	2/92	16	5.2	1.1	5.3	3.1						
	5/92	9.5	1.8	0.83	2.5	0.93						
	8/92	14	3.5	1.1	1.8	2.9						
	11/92	14	4	1.5	2	3.8						
	11/93	12	3.1	2.3	0.4	3.5						
	11/94	13	3.4	1.3	4.2	2.8						
	10/95	18	3.7	1.2	5.3	2.8						
	11/96	NS	NS	NS	NS	NS						
	6/97	7.9	<0.5	<0.5	7.7	1.3						
	11/00	12	<0.5	<1	<1	<1						
	11/01	NS	NS	NS	NS	NS						
	11/02	14	1.0	<0.5	3.8	<1.0						
	12/03	14	0.56	<0.5	4.8	0.86						
	12/04	26	6.3	0.9	5.3	<0.5						
	12/05	9	0.56	<0.5	3.4	0.56						
	9/06	8	<0.5	<0.5	3.8	<0.5						
	1/08	7.3	<0.5	<0.5	1.5	<0.5						
	9/08	9.5	<0.5	<0.5	2	0.51						
	12/09	9.5	<0.5	<0.5	1.8	<0.5						
	2/10	7.4	0.33	<0.5	NA	NA	<0.5	<0.5	1.5	<0.5	0.35	<0.5
	12/10	10	<0.5	<0.5	1.7	<0.5		<1.0				

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
8W	8/85	123	<1	<1	<1	<1						
	5/86	250	440	300	14	20						
	8/86	7,500	13,000	1,000	<55	<35						
	9/86	3,000	9,300	<100	<100	<120						
	10/86	3,500	10,000	<100	<100	<100						
	1/87	3,000	5,900	<2	<2	<2						
	4/87	1,700	4,200	<100	<100	<100						
	10/87	210	140	16	<4	19						
	3/88	150	48	11	<5	13						
	9/88	140	25	6.5	2	8.9						
	6/89	49	4.9	2.4	<2	3						
	3/90	26	1.8	<1	1.5	<1						
	8/92	51	<1.0	2.1	<1.0	1.5						
	11/92	21	<0.8	0.82	1.1	<0.8						
	11/93	20	0.8	0.86	0.8	1.6						
	11/94	31	10	1.7	5.6	<0.5						
	10/95	9.2	<1	<1	<1	<1						
	11/96	NS	NS	NS	NS	NS						
	6/97	8.4	<0.5	<0.5	<0.5	<0.5						
	11/00	25	3	<1	4	<1		<1				
	11/01	NS	NS	NS	NS	NS	NS	NS				
	11/02	28	6.3	0.64	5.7	<1		<0.5				
	12/03	27	5.1	0.74	5.8	<1		<0.5				
	12/04	12	0.8	<0.5	2.7	0.6	<0.5	<1.0				
	12/05	19	4.7	0.77	4.8	<0.5	<0.5	<1.0				
	9/06	25	3.3	0.81	6	3.3		<1.0				
	1/08	14	1.3	<0.5	1.4	<0.5	<0.5	<1.0				
	9/08	19	1.7	0.6	4.7	<0.5						
	12/09	21	1.5	<0.5	5.3	<0.5						
	2/10	0.19	0.33	<0.5	NA	NA	<0.5	<0.5	0.62	<0.5	<0.5	<0.5
	12/10	23	1.3	<0.5	4.7	<0.5		<1.0				
9W	5/86	9.3	1.3	2.1	<1	<1			5/86	5/86	5/86	5/86
	8/86	14	4.5	<1	<1	<1			8/86	8/86	8/86	8/86
	9/86	26	<2	<2	2.2	<2			9/86	9/86	9/86	9/86
	10/86	3.7	2.1	<1	<1	<1			10/86	10/86	10/86	10/86
	1/87	14	1.2	<1	<1	<1			1/87	1/87	1/87	1/87
	4/87	6.8	2.3	<1	<1	<1			4/87	4/87	4/87	4/87
	3/88	4.4	1.9	<1	<1	<1			3/88	3/88	3/88	3/88
	9/88	1.3	1.3	<1	<1	<1			9/88	9/88	9/88	9/88
	6/89	1.3	1.9	<1	<1	<1			6/89	6/89	6/89	6/89
	12/89	28	<1	<1	2	<1			12/89	12/89	12/89	12/89
	5/90	41	<1	<1	2.9	<1			5/90	5/90	5/90	5/90
	11/90	6.8	<1	<1	<1	<1			11/90	11/90	11/90	11/90
	5/91	2.1	1.6	<1	<1	<1			5/91	5/91	5/91	5/91
	11/91	7.7	1.5	0.39	0.89	0.57			11/91	11/91	11/91	11/91
	5/92	7.8	0.51	0.26	0.38	<0.2			5/92	5/92	5/92	5/92
	8/92	1.7	0.94	0.34	<0.2	0.29			8/92	8/92	8/92	8/92
	11/92	0.7	0.79	0.34	<0.2	0.26			11/92	11/92	11/92	11/92
	11/93	0.71	0.99	0.79	<0.2	0.64			11/93	11/93	11/93	11/93
	11/94	1.8	<0.5	<0.5	<0.5	<0.5			11/94	11/94	11/94	11/94
	2/95	3.6	1.3	<0.5	<0.5	<.05			2/95	2/95	2/95	2/95
	10/95	<1	1	<1	<1	<1			10/95	10/95	10/95	10/95
	1/96	<0.5	<0.5	<0.5	<0.5	<0.5			1/96	1/96	1/96	1/96
	11/96	NS	NS	NS	NS	NS			11/96	11/96	11/96	11/96
	3/97	2.4	<1	<1	<1	<1			3/97	3/97	3/97	3/97
	10/97	<0.5	<0.5	0.6	<0.5	<0.5			10/97	10/97	10/97	10/97
	12/97	15	0.9	<0.5	2.4	0.5			12/97	12/97	12/97	12/97
	11/99	2.9	<0.5	<0.5	<0.5	<0.5		<0.5	11/99	11/99	11/99	11/99
	11/00	<1	<0.5	<1	<1	<1		<1	11/00	11/00	11/00	11/00
	11/01	<1	<1	<1	<1	<1		<1.0	11/01	11/01	11/01	11/01
	11/02	<0.5	0.6	<0.5	<1	<1		<0.5	11/02	11/02	11/02	11/02
	12/03	5.3	<0.5	0.66	1.5	<1		<0.5	12/03	12/03	12/03	12/03
	12/04	1.2	<0.5	0.8	0.7	<0.5	<0.5	<1.0	12/04	12/04	12/04	12/04
	12/05	0.97	<0.5	0.78	0.7	<0.5	<0.5	<1.0	12/05	12/05	12/05	12/05
	9/06	1.1	<0.5	0.63	0.58	<0.5		<1.0	9/06	9/06	9/06	9/06
	Well Destroyed 05/97											
10W	5/86	28	<1	<1	2	<1						
	8/86	6.5	<1	<1	<1	2						
	9/86	12	<1	<1	1.2	1.8						
	10/86	6.4	<1	<1	<1	1.8						
	1/87	8.6	3.5	<1	<1	1.8						
	4/87	4.9	<1	<1	<1	1.5						
	3/88	11	<1	<1	<1	1.1						
	9/88	5.3	<1	<1	<1	<1						
	6/89	8.1	<1	<1	<1	<1						
	12/89	2.2	<1	<1	<1	<1						
	5/90	3	<1	<1	<1	<1						
	11/90	14	<1	<1	1.2	<1						
	5/91	3.1	<1	<1	<1	<1						
	11/91	5.5	<0.2	<0.2	<0.2	<0.2						
	5/92	0.45	<0.2	<0.2	<0.2	<0.2						
	8/92	0.39	<0.2	<0.2	<0.2	<0.2						
	11/92	0.77	<0.2	<0.2	<0.2	<0.2						
	11/93	2.1	<0.2	<0.2	<0.2	0.45						
	11/94	18	<0.5	<0.5	2.1	<0.5						
	2/95	10	<0.5	<0.5	0.6	<0.5						
	10/95	<1	<1	<1	<1	<1						
	1/96	<0.5	<0.5	<0.5	<0.5	<0.5						
	11/96	NS	NS	NS	NS	NS						
	3/97	<1	<1	<1	<1	<1						
	10/97	<0.5	<0.5	<0.5	<0.5	<0.5						
	12/97	9.6	<0.5	<0.5	<0.5	<0.5						
	11/00	10	<0.5	<1	<1	<1		<1				
	11/01	<1	<1	<1	<1	<1		<1.0				
	11/02	<0.5	<0.5	<0.5	<1	<1		<0.5				
	12/03	3.8	<0.5	<0.5	<1	<1		<0.5				
	12/04	4.1	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	12/05	4.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	9/06	2.8	<0.5	<0.5	<0.5	<0.5		<1.0				

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
	Well Destroyed 2007											
11W	5/86	93	42	11	220	120						
	8/86	42	8.7	29	69	180						
	9/86	120	24	<10	240	330						
	10/86	84	36	70	170	340						
	1/87	58	1.9	24	110	170						
	4/87	32	<1	26	84	160						
	10/87	47	<4	12	74	110						
	9/88	19	<1	6.6	28	39						
	6/89	16	<1	6.3	19	28						
	9/89	21	<1	5.9	24	37						
	12/89	27	<1	5.7	63	33						
	3/90	17	<1	2	35	24						
	5/90	17	<1	2.7	2.1	16						
	9/90	20	<1	4.6	36	27						
	11/90	16	<1	2.3	30	19						
	2/91	12	<1	2	25	15						
	5/91	7.8	<1	1.9	13	11						
	8/91	14	<1	3.5	26	15						
	11/91	15	<1	2.8	24	16						
	2/92	12	<0.8	1.2	15	10						
	5/92	6.8	<0.2	0.97	7.9	5.3						
	8/92	8.9	<0.4	1.8	15	10						
	11/92	11	<0.4	2.4	18	13						
	11/93	6.5	<0.2	1	<0.2	4.9						
	11/94	7.1	<0.5	1.1	6.4	2						
	10/95	5.8	<1	<1	3.4	1.7						
	11/96	2.8	<0.5	0.5	4.3	1.2						
	3/97	2.8	<1	<1	2.4	1.3						
	6/97	6.9	<0.5	1.4	4.4	3.2						
	10/97	8.2	<0.5	2.1	9.6	5.8						
	12/97	9.6	<0.5	1.3	15	8						
	11/99	3.9	<0.5	<0.5	2.3	1		0.69				
	11/00	48	<0.5	8.7	48	16		<0.5				
	11/01	30	<1	5.5	26	13		<1.0				
	11/02	59	<1	8.2	69	15		<1.0				
	12/03	45	<0.5	8.5	68	13		<0.5				
	12/04	3.9	<0.5	<0.5	4.4	1	<0.5	1.3	40	1.3	5.6	<0.5
	12/05	1.5	<0.5	<0.5	1.5	<0.5	<0.5	<1.0				
	9/06	26	<0.5	5.5	57	8.8		<1.0				
	12/07	<0.5	<0.5	<0.5	1.3	0.99	<0.5	<1.0				
	9/08	15	<0.5	4.3	57.2	6.8						
	12/09	16	<0.5	3.9	54.6	6.6						
	12/10	3.4	<0.5	0.62	7.4	1.1		<1.0				
12W	5/86	1500	2400	420	470	130						
	8/86	930	2300	160	340	230						
	9/86	1100	2500	<40	540	300						
	10/86	770	2300	150	420	330						
	1/87	700	2300	59	610	160						
	4/87	610	1200	55	200	120						
	10/87	760	1100	98	360	130						
	3/88	470	470	66	350	120						
	9/88	260	220	27	250	52						
	6/89	370	440	55	360	84						
	9/89	420	160	56	270	120						
	12/89	480	87	48	530	100						
	3/90	560	180	37	440	80						
	5/90	560	130	56	280	88						
	9/90	500	100	95	440	57						
	11/90	520	140	47	580	64						
	2/91	470	65	56	430	100						
	5/91	470	140	62	380	82						
	8/91	480	98	63	370	87						
	11/91	500	96	75	350	75						
	2/92	200	14	<8	69	11						
	5/92	500	61	36	300	38						
	8/92	450	50	52	300	55						
	11/92	530	76	49	360	46						
	11/93	400	48	51	260	58						
	11/94	130	9.1	<0.5	67	10						
	10/95	250	14	<10	74	12						
	11/96	77	4	<0.5	24	3.2						
	3/97	73	3.3	4.2	35	1.4						
	6/97	75	2.9	1.1	21.6	3.1						
	10/97	56	<0.5	1.2	22	3.3						
	12/97	61	2.2	<0.5	20	2.2						
	11/99	37	1.5	<0.5	14	1.6		<0.5				
	11/00	27	0.96	<0.5	10	1.3		<0.5				
	11/01	30	1.3	<1	9	1.6		<1.0				
	11/02	28	1.0	<0.5	11	1.2		<0.5				
	12/03	26	0.85	<0.5	8.5	1.2		<0.5				
	12/04	23	1	<0.5	6.6	1	<0.5	<1.0				
	12/05	18	0.73	<0.5	4.9	<0.5	<0.5	<1.0				
	9/06	22	0.82	<0.5	5.2	1		<1.0				
	12/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	9/08	21	0.99	<0.5	3.6	2.6						
	12/09	17	0.74	<0.5	3	1.2						
	1/10	16	0.82	<0.5	NA	NA	<0.5	<0.5	3.8	<0.5	1.7	<0.5
	12/10	18	0.58	<0.5	2.6	1.1		<1.0				

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
13W	5/86	110	250	120	1.7	5.7						
	8/86	1.3	2.1	<1	<1	2.8						
	9/86	<1	<1	<1	<1	13						
	10/86	<1	2.2	<1	<1	2.8						
	1/87	<1	<1	<1	<1	2.1						
	4/87	<1	1.5	<1	<1	2.1						
	10/87	<1	1.7	<1	<1	2						
	3/88	<1	1.3	<1	<1	1.5						
	9/88	<1	<1	<1	<1	1						
	6/89	7.3	3.1	<1	<1	1.1						
	12/89	<1	<1	<1	<1	<1						
	5/90	<1	<1	<1	<1	<1						
	11/90	<1	<1	<1	<1	1.3						
	5/91	<1	<1	<1	<1	1.7						
	11/91	0.37	<0.2	<0.2	<0.2	<0.2						
	5/92	<0.2	<0.2	<0.2	0.21	0.74						
	8/92	<0.2	<0.2	<0.2	0.34	0.66						
	11/92	<0.2	<0.2	<0.2	<0.2	0.5						
	5/93	<0.2	0.32	<0.2	<0.2	0.38						
	11/93	<0.2	<0.2	<0.2	<0.2	0.64						
	5/94	<0.2	<0.2	<0.2	<0.2	0.42						
	11/94	<0.5	<0.5	<0.5	<0.5	<0.5						
	6/95	<1.0	<1.0	<1.0	<1.0	<1.0						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	<1						
	1/96	<0.5	<0.5	<0.5	<0.5	<0.5						
	6/96	<1	<1	<1	<1	<1						
	7/96	<1	<1	<1	<1	<1						
	11/96	<0.5	<0.5	<0.5	<0.5	<0.5						
	3/97	<1	<1	<1	<1	1.2						
	6/97	<0.5	<0.5	<0.5	<0.5	0.7						
	10/97	<0.5	<0.5	<0.5	<0.5	<0.5						
	12/97	<0.5	<0.5	<0.5	<0.5	0.9						
	11/00	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5				
	11/01	NS	NS	NS	NS	NS	NS	NS				
	11/02	<0.5	<0.5	<0.5	1.2	0.73		<0.5				
	12/03	<0.5	<0.5	<0.5	3.3	1.1		<0.5				
	12/05	<0.5	<0.5	<0.5	2.5	0.53	<0.5	<1.0				
	9/06	<0.5	<0.5	<0.5	3.8	0.74		<1.0				
	12/07	<0.5	<0.5	<0.5	4.5	0.64	<0.5	<1.0				
	9/08	<0.5	<0.5	0.59	4.2	0.71						
	12/09	<0.5	<0.5	<0.5	0.92	<0.5						
	1/10	0.51	<0.5	<0.5	NA	NA	<0.5	<0.5	2.4	<0.5	0.55	<0.5
	12/10	<0.5	<0.5	<0.5	2	<0.5		<1.0				
14W	5/86	<1	10	1.7	<1	1.3						
	8/86	160	1000	<7	2.5	7.2						
	9/86	130	890	<20	<20	<20						
	10/86	170	900	<20	<20	<20						
	1/87	300	1,100	16	<1	4.7						
	4/87	190	690	24	<5	<5						
	10/87	270	210	21	<10	<10						
	9/88	150	58	9.6	1	1.5						
	6/89	120	43	7.4	<5	<5.0						
	12/89	79	15	5.4	<1.0	<1.0						
	5/90	88	17	4.5	<1.0	<1.0						
	11/90	74	12	2.8	<2.0	<2.0						
	5/91	73	11	<2	<2	3.5						
	11/91	64	7.4	3.9	<2.0	<2.0						
	5/92	14	<0.4	0.78	<0.4	<0.4						
	8/92	51	3.5	1.3	<1.0	<1.0						
	11/92	34	1.8	<0.8	<0.8	<0.8						
	5/93	10	0.41	<0.4	<0.4	<0.4						
	12/93	20	1.3	0.86	<0.4	<0.80						
	5/94	8.9	0.49	0.25	0.28	<0.2						
	11/94	44	3.3	2.6	2.1	<0.5						
	6/95	31	1.7	<1.0	1.4	<1.0						
	10/95	24	<1	<1	1.3	<1						
	6/96	35	2.3	1.5	1.9	<1						
	11/96	20	1	0.9	<0.5	<0.5						
	3/97	15	<1	<1	<1	<1						
	6/97	15	0.7	0.6	1	<0.5						
	10/97	8.7	<0.5	<0.5	<0.5	<0.5						
	12/97	33	2.3	<0.5	1.9	0.6						
	11/99	18	0.61	0.66	0.81	<0.5		<0.5				
	11/00	11	<0.5	<0.5	<0.5	<0.5		<0.5				
	11/01	13	<1	<1	<1	<1		<1.0				
	11/02	6.5	<0.5	<0.5	<1	<1		<0.5				
	12/03	9.5	<0.5	<0.5	<1	<1		<0.5				
	12/04	<0.5	<0.5	0.5	4.5	1	<0.5	<1.0				
	12/05	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	9/06	5.6	<0.5	<0.5	<0.5	<0.5		<1.0				
	12/07	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	9/08	8.2	<0.5	0.54	<0.5	0.67						
	12/09	12	<0.5	0.57	1.1	<0.5						
	1/10	19	0.72	1.2	NA	NA	<0.5	<0.5	3.5	<0.5	0.6	<0.5
	12/10	17	<0.5	0.85	2.2	<0.5		<1.0				
15W	8/86	29	<1	<1	3.8	<1						
	9/86	54	13	<1	14	<1						
	10/86	8.4	<1	<1	3.3	0.6						
	1/87	12	<1	<1	3.6	<1						
	4/87	8.7	<1	<1	2.8	<1						
	10/87	15	<1	<1	3.3	<1						
	9/88	13	<1	<1	2.3	<1						
	6/89	16	<1	<1	2.3	<1						
	12/89	14	<1	<1	5.2	<1						
	5/90	7.7	<1	<1	6.2	<1						
	11/90	6.7	<1	<1	7	<1						
	2/91	<1	<1	<1	<1	<1						
	5/91	9.4	<1	<1	2.7	<1						
	11/91	11	<0.2	<0.2	3	<0.2						

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
15W (Continued)	5/92	11	<0.4	<0.4	2.5	<0.4						
	8/92	15	<0.4	<0.4	2.5	<0.4						
	11/92	13	<0.4	<0.4	3.2	<0.4						
	5/93	8	<0.4	<0.4	3.5	<0.4						
	5/94	13	<0.5	<0.5	4	<0.5						
	11/94	13	<1.0	<1.0	6	<1.0						
	6/95	31	<1	<1	2	<1						
	10/95	9.6	<1	<1	2	<1						
	6/96	9.8	<1	<1	2.3	<1						
	11/96	NS	NS	NS	NS	NS						
	3/97	14	<1	<1	3.1	<1						
	10/97	9.5	<0.5	<0.5	1.8	<0.5						
	12/97	11	<0.5	<0.5	3.5	<0.5						
	11/99	9.3	<0.5	<0.5	2.9	<0.5		<0.5				
	11/00	8	<0.5	<1	2	<1		<1				
	11/01	10	<1	<1	1.9	<1		<1				
	12/02	9.2	<0.5	<0.5	2.1	<1		<0.5				
	12/03	8.9	<0.5	<0.5	2.8	<1		<0.5				
	12/04	9.1	<0.5	<0.5	3.4	<0.5	<0.5	<1.0				
	12/05	7.6	<0.5	<0.5	3	<0.5	<0.5	<1.0				
	9/06	7.3	<0.5	<0.5	3.3	<0.5		<1.0				
	Well Destroyed 2007											
15WR	12/10	0.7	<0.5	0.5	0.7	<0.5		<1.0				
16W	8/86	3.4	<1	<1	5.5	<1						
	9/86	<1	<1	<1	1.2	<1						
	10/86	1.1	<1	<1	6.4	0.6						
	1/87	1.9	<1	<1	7.8	<1						
	4/87	1.4	<1	<1	4.5	<1						
	10/87	4.1	<1	<1	5.5	<1						
	9/88	2.8	<1	<1	3.6	<1						
	6/89	7.2	<1	<1	4	<1						
	12/89	7.9	<1	<1	9.4	<1						
	5/90	7.7	<1	<1	6.2	<1						
	11/90	6.7	<1	<1	7	<1						
	5/91	4.3	<1	<1	3.7	<1						
	11/91	5.2	<0.2	<0.2	5.3	<0.2						
	5/92	4.7	<0.2	<0.2	5.5	<0.2						
	8/92	5.5	<0.2	<0.2	5.4	<0.2						
	11/92	5.4	<0.2	<0.2	6.4	<0.2						
	5/93	7.9	<0.2	<0.2	5.7	<0.2						
	5/94	6.6	<0.2	<0.2	4.2	<0.2						
	11/94	5.3	<0.5	<0.5	4.8	<0.5						
	6/95	10	<1.0	<1.0	6.3	<1.0						
	10/95	11	<1	<1	5.4	<1						
	6/96	11	<1	<1	6.4	<1						
	11/96	NS	NS	NS	NS	NS						
	3/97	11	<1	<1	5.2	<1						
	10/97	3	<0.5	<0.5	1.9	<0.5						
	12/97	6.4	<0.5	<0.5	3.3	<0.5						
	11/99	6.5	<0.5	<0.5	2.9	<0.5		<0.5				
	11/00	6	<0.5	<1	<1	<1		<1				
	11/01	3.7	<1	<1	2.4	<1		<1				
	12/02	4.4	<0.5	<0.5	2.4	<1		<0.5				
	12/03	6.4	<0.5	<0.5	3.1	<1		<0.5				
	12/04	5.8	<0.5	<0.5	2.4	<0.5	<0.5	<1.0				
	12/05	4.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	9/06	6.2	<0.5	<0.5	2.6	<0.5		<1.0				
	Well Destroyed 2007											
16WR	12/10	3.4	<0.5	<0.5	0.7	<0.5		<1.0				
17W	6/89	120	14	41	98	120						
	9/89	78	6.1	28	72	88						
	12/89	89	4.9	26	130	71						
	3/90	320	12	350	520	70						
	5/90	310	8.5	110	300	190						
	9/90	160	<10	77	380	310						
	11/90	200	<10	140	550	310						
	2/91	170	<10	110	430	280						
	5/91	180	<10	50	190	110						
	8/91	380	<10	120	510	280						
	11/91	99	<4	27	110	64						
	2/92	82	<2	23	96	59						
	5/92	190	<10	46	330	190						
	8/92	98	<4.0	21	120	75						
	11/92	180	<10	71	330	190						
	5/93	57	<2	11	69	54						
	11/93	190	<10	57	<10	120						
	5/94	52	<10	19	81	77						
	11/94	150	1.8	58	230	110						
	6/95	33	<1.0	9.7	65	74						
	10/95	28	<1	8.2	44	54						
	6/96	19	<1	4.8	28	33						
	11/96	NS	NS	NS	NS	NS						
	6/97	280	<0.5	88	444	220						
	10/97	160	<0.5	86	323	170						
	12/98	120	<0.5	35	190	<0.5						
	11/99	350	<1	130	530	170		<5.0				
	11/00	290	<0.5	69	380	100		<1.0				
	11/01	220	<1	66	259	81		<1.0				
	12/02	250	<0.5	45	380	73		<5.0				
	12/03	230	<0.5	54	406	71		<5.0				
	12/04	170	<0.5	37	326	51	<0.5	<1.0				
	12/05	120	<0.5	33	280	41	<0.5	<1.0				
	9/06	130	<0.5	35	360	47		<1.0				
	12/07	4.5	<0.5	2.0	4.4	1.5	<0.5	<1.0				
	9/08	87	<0.5	26	330	35						
	12/09	63	<0.5	20	320	30						
	1/10	79	<0.5	31	NA	NA	<0.5	<0.5	330	11	30	<0.5
	12/10	51	<0.5	19	266	26		<1.0				

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
19W	9/86	<1	<1	<1	<1	<1						
	10/86	<1	<1	<1	<1	<1						
	1/87	<1	1.1	<1	<1	<1						
	4/87	<1	<1	<1	<1	<1						
	3/88	<1	1.2	<1	<1	1.3						
	9/88	<1	<1	<1	<1	<1						
	6/89	<1	<1	<1	<1	<1						
	12/89	<1	<1	<1	<1	<1						
	5/90	<1	<1	<1	<1	<1						
	11/90	<1	<1	<1	<1	<1						
	5/91	<1	<1	<1	<1	<1						
	11/91	<0.2	<0.2	<0.2	<0.2	<0.2						
	5/92	<0.2	<0.2	<0.2	<0.2	<0.2						
	8/92	<0.2	0.54	<0.2	<0.2	<0.2						
	11/92	<0.2	0.26	<0.2	<0.2	<0.2						
	5/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/93	0.2	0.25	0.2	0.2	<0.47						
	5/94	<0.2	<0.2	<0.2	<0.2	<0.2						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	<1						
	6/96	<1	<1	<1	<1	<1						
	7/96	<1	<1	<1	<1	<1						
	11/96	NS	NS	NS	NS	NS						
	3/97	<1	<1	<1	<1	<1						
	12/97	<0.5	<0.5	<0.5	<0.5	<0.5						
	11/99	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5				
	11/00	<1	<0.5	<1	<1	<1		<1.0				
	11/01	NS	NS	NS	NS	NS	NS	NS				
	12/02	<0.5	<0.5	<0.5	<1	<1		<0.5				
	12/03	<0.5	<0.5	<0.5	<1	<1		<0.5				
	12/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	12/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	9/06	<0.5	<0.5	<0.5	<0.5	<0.5		<1.0				
	12/07	4.8	0.54	2.5	16.0	5.7	<0.5	<1.0				
	12/09	<0.5	<0.5	<0.5	<0.5	<0.5						
	1/10	<0.5	0.054	<0.5	NA	NA	<0.5	<0.5	<0.5	<0.5	0.41	<0.5
	12/10	<0.5	<0.5	<0.5	<0.5	<0.5		<1.0				
20W	9/86	90	100	<20	83	110						
	10/86	110	190	<2	51	22						
	10/86	130	210	58	80	<10						
	1/87	110	150	<2	110	16						
	4/87	190	250	32	87	41						
	3/88	38	11	2.3	8.8	3						
	9/88	88	72	10	31	12						
	6/89	19	20	3.6	9.5	6.2						
	8/92	0.7	1.8	0.74	2	1.7						
	11/92	0.68	1.2	0.32	1.7	1.4						
	5/93	8.2	1.5	0.76	1.9	0.87						
	5/94	8.1	1.2	<0.2	1.2	0.36						
	8/94	8.1	1.4	0.23	1.8	0.59						
	11/94	3.3	1.4	<0.5	3.1	1.7						
	8/95	12	<0.5	<0.5	<0.5	<0.5						
	10/95	13	1.5	<1	2.2	<1						
	6/96	12	<1	<1	2.3	<1						
	7/96	11	1.3	<1	2	<1						
	11/96	3.3	<0.5	<0.5	1.4	0.7						
	3/97	12	1.6	<1	4.7	2.1						
	6/97	5.9	<0.5	<0.5	2.7	1.4						
	10/97	5.2	0.8	<0.5	2.7	1.4						
	12/97	46	4.8	2.4	15	5.1						
	11/99	5.1	<0.5	<0.5	2.2	1.3		1.9				
	11/00	5	<0.5	<1	3	2		<1				
	11/01	21	1.8	1.2	7	8.5		2.3				
	12/02	24	1.6	1.1	11	4.8		0.71				
	12/03	26	1.6	2.1	14	6.4		0.58				
	12/04	32	1.6	2.4	15	5	<0.5	<1.0				
	12/05	20	0.87	2.1	13	4.2	<0.5	2.5				
	9/06	27	1.3	2	15	8.2		1.4				
	12/07	1.9	<0.5	0.98	4.9	1.8	<0.5	<1.0				
	9/08	15	0.59	1.6	11	5.5						
	12/09	23	0.9	1.7	16	6						
	1/10	7	0.45 J	1.4	NA	NA	<0.5	<0.5	5.9	0.11	2.4	0.5
	12/10	24	0.9	2.4	16	4.5		<1.0				
21W	4/87	<1	<1	<1	<1	<1						
	12/87	<1	<1	<1	<1	<1						
	9/88	<1	11	1.5	2.2	8.7						
	6/89	<1	<1	<1	<1	<1						
	12/89	<1	<1	<1	<1	<1						
	5/90	<1	<1	<1	<1	<1						
	11/90	<1	<1	<1	<1	<1						
	5/91	<1	<1	<1	<1	1.2						
	11/91	<0.2	<0.2	<0.2	<0.2	<0.2						
	5/92	<0.2	<0.2	<0.2	<0.2	<0.2						
	8/92	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/92	<0.2	<0.2	<0.2	<0.2	<0.2						
	2/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	5/93	<0.2	<0.2	<0.2	<0.2	1						
	8/93	<0.2	<0.2	<0.2	<0.2	0.9						
	11/93	0.2	0.2	0.2	0.2	4.1						
	2/94	<0.2	<0.2	<0.2	<0.2	4.7						
	5/94	<0.2	<0.2	<0.2	<0.2	2.9						
	8/94	<0.2	<0.2	<0.2	<0.2	3.7						
	11/94	<0.5	<0.5	<0.5	<0.5	3.4						
	2/95	<0.5	<0.5	<0.5	<0.5	2.8						
	6/95	<0.5	<0.5	<0.5	<0.5	1.5						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	2.5						
	7/96	<1	<1	<1	<1	3.6						
	11/96	<0.5	<0.5	<0.5	<0.5	4.2						
	3/97	<1	<1	<1	<1	3.5						

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
21W (Continued)	6/97	<0.5	<0.5	<0.5	<0.5	4						
	12/97	<0.5	<0.5	<0.5	<0.5	3.6						
	11/00	<0.5	<0.5	<0.5	<0.5	2		<0.5				
	11/01	<1	<1	<1	<1	2.1		<1.0				
	12/02	NS	NS	NS	NS	NS	NS	NS				
	12/03	NS	NS	NS	NS	NS	NS	NS				
	12/04	NS	NS	NS	NS	NS	NS	NS				
	12/05	NS	NS	NS	NS	NS	NS	NS				
	9/06	NS	NS	NS	NS	NS	NS	NS				
	12/07	NS	NS	NS	NS	NS	NS	NS				
	2/10	<0.5	<0.5	<0.5	NA	NA	<0.5	<0.5	0.4	<0.5	1.1	<0.5
22W	4/87	<1	1.9	<1	<1	2.3						
	12/87	<1	2.1	<1	<1	<2.5						
	9/88	<1	<1	<1	<1	8.6						
	6/89	<1	<1	<1	<1	<1						
	9/89	<1	<1	<1	<1	<1						
	12/89	<1	<1	<1	<1	<1						
	3/90	<1	4.3	1	3.2	10						
	5/90	<1	4	1	3.4	8.4						
	9/90	<1	<1	<1	<1	<1						
	11/90	<1	<1	<1	<1	<1						
	2/91	<1	<1	<1	<1	<1						
	5/91	<1	<1	<1	<1	<1						
	8/91	<0.2	1.7	1.9	8.1	5.8						
	11/91	<0.2	<0.2	<0.2	0.7	0.43						
	2/92	<0.2	<0.2	<0.2	1.2	1.1						
	5/92	<0.2	<0.2	<0.2	0.68	0.54						
	8/92	<0.2	<0.2	<0.2	0.23	0.2						
	11/92	<0.2	<0.2	<0.2	1.5	1.2						
	8/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/93	0.2	0.2	0.64	0.2	1.7						
	2/94	<0.2	<0.2	<0.2	0.23	<0.2						
	5/94	<0.2	<0.2	<0.2	0.59	0.36						
	8/94	0.54	0.9	2.2	9	4.4						
	11/94	0.9	1.1	2.7	13	5.3						
	2/95	<0.5	<0.5	<0.5	4.1	1						
	6/95	<1.0	<1.0	<1.0	2.1	<1.0						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	<1						
	1/96	<0.5	<0.5	<0.5	<0.5	<0.5						
	6/96	<1	<1	<1	<1	<1						
	7/96	<1	<1	<1	<1	<1						
	11/96	NS	NS	NS	NS	NS						
	3/97	<1	<1	<1	2.6	1.3						
	12/97	0.8	<0.5	<0.5	4.6	1.3						
	11/00	3.6	<0.50	1	4.3	<0.50		<0.5				
	11/01	2	<1	<1	2.7	<1		<1.0				
	11/02	6.2	<0.5	0.75	6.3	1.3		<0.5				
	12/03	7.1	<0.5	1.2	5.2	1.3		<0.5				
	12/04	4.8	<0.5	1	3.9	0.9	<0.5	<1.0				
	12/05	2.5	<0.5	<0.5	1.8	<0.5	<0.5	<1.0				
	9/06	6.2	<0.5	0.96	4.3	1.2		<1.0				
	12/07	4.0	<0.5	0.53	8.4	1.6	<0.5	1.3				
	9/08	6.6	<0.5	1.1	3.9	1.1						
	12/09	7.7	<0.5	0.89	4.2	0.99						
	1/10	7.9	0.12	1.3	NA	NA	<0.5	<0.5	4.6	<0.5	1.1	<0.5
	12/10	7.6	<0.5	0.94	3.6	1		<1.0				
23W	4/87	3	57	5.5	9.7	29						
	12/87	2.6	43	5.9	21	45						
	9/88	4.9	45	8.8	28	47						
	6/89	4.1	10	4.5	11	19						
	9/89	3.5	13	7.3	18	41						
	12/89	16	9.9	6.1	52	29						
	3/90	2.8	2.3	1	7.6	5.7						
	5/90	12	9.1	5.2	23	17						
	9/90	3	8.5	10	37	52						
	11/90	2.6	5.2	5.8	32	24						
	2/91	4.3	4.3	5.1	28	64						
	5/91	2.1	3.2	3.4	17	13						
	8/91	14	5.3	4.3	33	14						
	11/91	4.9	2.8	5.1	23	19						
	2/92	2.7	3.8	7.9	38	29						
	5/92	2.9	3	9	45	26						
	8/92	4.8	2.7	7.7	51	30						
	11/92	2.6	2.4	9.3	50	22						
	2/93	3.2	3.4	8.5	50	8.5						
	5/93	3.4	2.8	9.1	52	27						
	8/93	4.3	2.4	8.1	49	22						
	2/94	4.5	2	8.3	45	20						
	5/94	3.9	1.7	5.4	26	10						
	8/94	22	3.9	5.3	31	11						
	11/94	17	3.3	6.8	34	11						
	2/95	7.5	1.8	5.5	32	10						
	6/95	34	5.4	4.9	38	12						
	8/95	8.9	<0.5	7.8	<0.5	22						
	10/95	8.1	1.5	5	26	9.5						
	1/96	2.1	<0.5	1	7.4	2						
	6/96	5.3	1.1	3.7	18	6.1						
	7/96	8.6	1.3	4.1	25	7.5						
	11/96	NS	NS	NS	NS	NS						
	3/97	30	4	3.6	26	11						
	6/97	0.5	<0.5	0.6	2.6	2						
	10/97	34	4.8	5.7	29.5	10.5						
	12/97	5.2	1	2	14	4.5						
	11/99	4.9	0.7	1.3	12	5.3		<0.5				
	11/00	4.5	<0.50	<0.50	8	3.8		<0.5				
	11/01	5.8	<1	1.6	10.6	5.7		<1.0				
	12/02	7.2	0.59	1.1	13	5.1		<0.5				
	12/03	7.0	0.62	2.1	14	5.6		<0.5				
	12/04	6.4	0.65	2.2	13	5.5	<0.5	<1.0				

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
23W (Continued)	12/05	4.9	0.51	1.8	<0.5	4.4	<0.5	<1.0				
	9/06	5.9	<0.5	0.6	12	4		<1.0				
	12/07	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	9/08	6.0	0.54	2.7	15	5.1						
	12/09	6.7	<0.5	2.1	17	4.7						
	1/10	7.3	<0.5	3	NA	NA	<0.5	<0.5	16	<0.5	4.8	<0.5
	12/10	6.6	<0.5	2	15	4.4		<1.0				
24W[4]	4/87	13	78	<2	<2	<2						
	12/87	9.7	8.6	<1	<1	<1						
	6/88	5.7	3.8	<1	<1	<1						
	Well Destroyed 1/01											
25W	4/87	<1	10	<1	9.3	<1						
	12/87	<1	5.7	<1	7.8	<1						
	9/88	<1	2.9	<1	6.5	<1						
	6/89	<1	<1	<1	<1	<1						
	9/89	<1	<1	<1	7.2	<1						
	12/89	<1	<1	<1	18	<1						
	3/90	<1	<1	<1	20	<1						
	5/90	<1	<1	<1	9.6	<1						
	9/90	<1	<1	<1	14	<1						
	11/90	<1	<1	<1	<1	<1						
	2/91	<1	<1	<1	14	<1						
	5/91	<1	<1	<1	15	<1						
	8/91	0.77	<0.4	<0.4	14	<0.4						
	11/91	0.74	<0.4	<0.4	12	<0.4						
	2/92	0.77	<0.4	<0.4	13	<0.4						
	5/92	0.76	<0.4	<0.4	10	<0.4						
	8/92	0.82	<0.4	<0.4	11	<0.4						
	11/92	0.48	<0.2	<0.2	10	<0.2						
	2/93	0.36	<0.2	<0.2	9.2	<0.2						
	5/93	0.76	<0.2	<0.2	11	<0.2						
	8/93	0.78	<0.2	<0.2	11	<0.2						
	2/94	0.87	<0.2	<0.2	11	<0.2						
	5/94	1	0.22	<0.2	10	<0.2						
	8/94	1	<0.2	<0.2	11	<0.2						
	11/94	1.4	<0.5	<0.5	14	<0.5						
	2/95	1.7	<0.5	<0.5	15	<0.5						
	6/95	<0.5	<0.5	<0.5	2.9	<0.5						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	3.9	<1						
	7/96	1.4	<1	<1	12	<1						
	11/96	<0.5	<0.5	<0.5	8	<0.5						
	3/97	1.6	<1	<1	13	<1						
	6/97	2.1	<0.5	<0.5	11	0.5						
	12/97	1.6	<0.5	<0.5	9.2	<0.5						
	11/99	2	<0.5	<0.5	7.8	<0.5						
	12/00	2.2	<0.5	<0.5	7.7	<0.5						
	11/01	NS	NS	NS	NS	NS						
	12/02	NS	NS	NS	NS	NS						
	12/03	NS	NS	NS	NS	NS						
	9/06	NS	NS	NS	NS	NS						
	12/07	NS	NS	NS	NS	NS						
	2/10	2.6	<0.5	<0.5	NA	NA	<0.5	<0.5	4.5	<0.5	0.11	<0.5
26W	4/87	<1	<1	<1	<1	<1						
	12/87	<1	<1	<1	<1	<1						
	9/88	<1	<1	<1	<1	<1						
	6/89	<1	<1	<1	<1	<1						
	12/89	<1	<1	<1	<1	<1						
	5/90	<1	<1	<1	<1	<1						
	11/90	<1	<1	<1	<1	1.3						
	5/91	<1	<1	<1	<1	<1						
	11/91	<0.2	<0.2	<0.2	<0.2	1.6						
	5/92	<0.2	<0.2	<0.2	<0.2	2.6						
	8/92	<0.2	<0.2	<0.2	<0.2	2.8						
	11/92	<0.2	<0.2	<0.2	<0.2	3.8						
	2/93	<0.2	<0.2	<0.2	<0.2	1.6						
	5/93	<0.2	<0.2	<0.2	<0.2	3.2						
	8/93	<0.2	<0.2	<0.2	<0.2	3.5						
	11/93	0.2	0.2	0.2	0.2	0.83						
	2/94	<0.2	<0.2	<0.2	<0.2	3.8						
	5/94	<0.2	<0.2	<0.2	<0.2	3.2						
	8/94	<0.2	<0.2	<0.2	<0.2	2.5						
	11/94	<0.5	<0.5	<0.5	<0.5	1.7						
	2/95	<0.5	<0.5	<0.5	<0.5	2.9						
	6/95	<0.5	<0.5	<0.5	<0.5	3						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	1.4						
	7/96	<1	<1	2.4	<1	<1						
	11/96	<0.5	<0.5	<0.5	<0.5	<0.5						
	3/97	<1	<1	<1	<1	4.3						
	6/97	<0.5	<0.5	<0.5	<0.5	3.1						
	12/97	<0.5	<0.5	<0.5	<0.5	1						
	Well Destroyed 1/01											
27W	6/87	<1	<1	<1	<1	<1						
	8/87	<1	<1	<1	<1	<1						
	9/88	<1	<1	<1	<1	<1						
	6/89	<1	<1	<1	3.1	<1						
	12/89	<1	<1	<1	6.7	<1						
	5/90	<1	<1	<1	5.2	<1						
	11/90	<1	<1	<1	6.4	<1						
	5/91	<1	<1	<1	4.6	<1						
	11/91	<0.2	<0.2	<0.2	4.1	<0.2						
	5/92	<0.2	<0.2	<0.2	3.9	<0.2						
	8/92	<0.2	<0.2	<0.2	2.2	<0.2						
	11/92	<0.2	<0.2	<0.2	3.8	<0.2						
	2/93	<0.2	<0.2	<0.2	0.92	<0.2						
	5/93	<0.2	<0.2	<0.2	1.7	<0.2						
	8/93	0.4	<0.2	<0.2	5.2	<0.2						
	11/93	0.4	0.2	0.2	0.2	0.2						
	2/94	0.21	<0.2	<0.2	2.7	<0.2						

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
27W (Continued)	5/94	<0.2	<0.2	<0.2	1.4	<0.2						
	8/94	0.47	<0.2	<0.2	4.3	<0.2						
	11/94	0.6	<0.5	<0.5	5.7	<0.5						
	2/95	<0.5	<0.5	<0.5	4.9	<0.5						
	6/95	<0.5	<0.5	<0.5	1.1	<0.5						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	<1						
	7/96	<1	<1	<1	1.3	<1						
	11/96	<0.5	<0.5	<0.5	2.1	<0.5						
	3/97	<1	<1	<1	2.1	<1						
	Well Destroyed 5/97											
28W	6/87	<1	<1	<1	3.2	<1						
	8/87	<1	<1	<1	2.5	<1						
	9/88	<1	<1	<1	3	<1						
	6/89	<1	<1	<1	<1	<1						
	12/89	<1	<1	<1	<1	<1						
	5/90	<1	<1	<1	<1	<1						
	11/90	<1	<1	<1	<1	<1						
	5/91	<1	<1	<1	<1	<1						
	5/92	<0.2	<0.2	<0.2	0.33	<0.2						
	8/92	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/92	<0.2	<0.2	<0.2	<0.2	<0.2						
	2/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	5/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	8/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/93	0.2	0.2	0.2	0.2	0.2						
	2/94	<0.2	<0.2	<0.2	<0.2	<0.2						
	5/94	<0.2	<0.2	<0.2	<0.2	<0.2						
	8/94	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/94	<0.5	<0.5	<0.5	<0.5	<0.5						
	2/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	6/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	<1						
	7/96	<1	<1	<1	<1	<1						
	11/96	<0.5	<0.5	<0.5	<0.5	<0.5						
	3/97	<1	<1	<1	<1	<1						
	12/97	<0.5	<0.5	<0.5	<0.5	<0.5						
	Well Destroyed 1/01											
29W	6/87	<1	49	2.8	1.6	2.5						
	8/87	<1	42	1.7	1.6	2						
	9/88	2.8	34	3.6	2.4	3						
	6/89	2.9	13	2.3	1.9	2.7						
	9/89	2.5	12	2.6	1.9	2.6						
	12/89	3.2	15	5.2	<1	3.4						
	3/90	4.2	14	3.9	<1	2.8						
	5/90	3.4	7.4	2.6	3.3	1.9						
	9/90	2.8	5.4	4.2	3.2	1.9						
	11/90	3.9	8.4	3.5	3.5	2.5						
	2/91	3.4	5.8	3.1	3.2	2						
	5/91	2.9	4.3	1.8	2.6	1.9						
	8/91	3.2	2.8	1.8	4.3	1.5						
	11/91	3.1	2.9	2.3	3.3	1.8						
	2/92	3.4	4.2	2.3	3.2	1.7						
	5/92	2.9	0.59	1.7	3.1	1.3						
	8/92	2.4	1.7	1.7	2.5	1.2						
	11/92	3.1	3	1.6	2.9	1.5						
	2/93	0.99	0.96	0.61	1	0.46						
	5/93	2	0.86	0.69	2	0.51						
	8/93	3.7	2	2.4	3.7	1.5						
	11/93	3.8	2.2	2.1	<0.2	1.8						
	2/94	3.7	2	1.5	3.1	1.3						
	5/94	4.7	2	1.6	4.3	1.3						
	8/94	3.8	1.2	1.7	3.7	0.99						
	11/94	4.4	1.4	1.6	5	1.3						
	2/95	5.3	1.3	1.1	4.1	0.7						
	6/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	<1						
	7/96	<1	<1	<1	<1	<1						
	11/96	NS	NS	NS	NS	NS						
	Well Destroyed 5/97											
31W	6/87	<1	4.2	<1	<1	1.4						
	8/87	<1	12	<1	<1	4.4						
	9/88	<1	<1	<1	<1	<1						
	6/89	<1	11	<1	<1	<1						
	9/89	<1	2.7	<1	<1	<1						
	12/89	<1	1.7	<1	<1	<1						
	3/90	<1	4.5	<1	<1	<1						
	5/90	<1	<1	<1	<1	<1						
	9/90	<1	2.9	<1	<1	<1						
	11/90	<1	3..6	<1	<1	<1						
	2/91	<1	3.2	<1	<1	<1						
	5/91	<1	2.9	<1	<1	<1						
	8/91	<0.2	2.1	<0.2	<0.2	<0.2						
	11/91	<0.2	1.5	<0.2	<0.2	0.22						
	2/92	<0.2	1.6	<0.2	<0.2	<0.2						
	5/92	<0.2	<0.2	<0.2	<0.2	<0.2						
	8/92	<0.2	0.94	<0.2	<0.2	<0.2						
	11/92	<0.2	0.45	<0.2	<0.2	<0.2						
	2/93	<0.2	0.43	<0.2	<0.2	<0.2						
	5/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	8/93	<0.2	1.4	0.43	<0.2	0.24						
	11/93	<0.2	0.95	0.28	<0.2	0.4						
	2/94	<0.2	0.57	<0.2	<0.2	<0.2						
	5/94	<0.2	<0.2	<0.2	<0.2	<0.2						
	8/94	<0.2	0.32	<0.2	<0.2	<0.2						
	11/94	<0.5	<0.5	<0.5	0.6	<0.5						
	2/95	0.9	<0.5	<0.5	2.3	1.2						
	6/95	<0.5	<0.5	<0.5	<0.5	<0.5						

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
31W (Continued)	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	<1						
	7/96	<1	<1	<1	<1	<1						
	11/96	<0.5	<0.5	<0.5	<0.5	<0.5						
	3/97	<1	<1	<1	<1	<1						
	6/97	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/97	<0.5	<0.5	<0.5	<0.5	<0.5						
	12/97	0.6	0.8	<0.5	4.2	2.5						
	11/99	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5				
	Well Destroyed 1/01											
32W	6/87	<1	87	8.9	4.8	25						
	8/87	<1	120	7.8	7.3	29						
	6/88	<1	68	8.2	7.7	29						
	Well Destroyed 1/01											
33W	6/87	<1	<1	<1	<1	1.3						
	8/87	<1	<1	<1	<1	2						
	9/88	<1	<1	<1	<1	27						
	4/89	<1	<1	1.6	<1	4.3						
	9/89	<1	1.2	<1	<1	3						
	12/89	4.4	<1	2.1	3.6	3.5						
	3/90	4.8	<1	1.8	2.6	3.3						
	5/90	9.4	<1	3	5	4.3						
	9/90	7.6	<1	2.4	4.3	3.6						
	11/90	5.8	<1	1.8	3.3	3.2						
	2/91	9.8	<1	2.7	4.5	3.4						
	5/91	9.7	<1	1.9	3.6	3.3						
	8/91	9.2	<0.2	2.6	4.8	3.2						
	11/91	8.2	<0.2	2	4.1	3.1						
	2/92	6.6	<0.2	1.6	3.2	2.6						
	8/92	7.2	<0.2	1.1	2.3	2						
	2/93	6.5	0.22	1.1	1.9	2.1						
	11/93	6	0.2	0.9	0.2	1.9						
	2/94	5.5	<0.2	1.1	1.6	1.8						
	5/94	7.9	<0.2	1.4	1.8	2.1						
	8/94	6.3	<0.2	1.3	2.1	2.1						
	11/94	8.2	<0.5	1.9	----	2.8						
	2/95	11	<0.5	2.6	3.4	2.6						
	6/95	9	<1.0	<1.0	3.2	2.5						
	8/95	7.4	<0.5	<0.5	<0.5	<0.5						
	10/95	9.3	<1	1.8	3.4	2.8						
	1/96	7.7	<0.5	1.1	2.2	1.6						
	6/96	9.9	<1	1.6	3.5	2.6						
	7/96	12	<1	2	4.3	2.8						
	11/96	NS	NS	NS	NS	NS						
	11/99	5.4	<0.5	1	3	2		<0.5				
	11/00	6	<0.50	1	2.6	1.6		<0.5				
	11/01	NS	NS	NS	NS	NS	NS	NS				
	12/02	NS	NS	NS	NS	NS	NS	NS				
	12/03	5.6	<0.5	1.2	3.2	1.4		<0.5				
	12/05	6.6	<0.5	1.7	4.2	1.4	<0.5	<1.0				
	9/06	2.6	<0.5	<0.5	1.3	<0.5		<1.0				
	12/07	18	0.93	<0.5	3.4	2.5	<0.5	<1.0				
	9/08	6	<0.5	2.1	4.8	1.5						
	12/09	2.7	<0.5	0.55	2.6	0.67						
	1/10	8.3	<0.5	2.8	NA	NA	<0.5	<0.5	8.3	0.2	1.7	<0.5
	12/10	4	<0.5	1	4.8	0.97		<1.0				
34W	6/87	39	2.3	<20	8.8	<20						
	8/87	43	4.6	<1	7.3	2.4						
	9/88	45	3.6	1	6.1	1.4						
	4/89	33	1.6	1.2	4.2	<1						
	9/89	37	2.9	<1	4.7	1						
	12/89	32	1.4	<1	7.1	<1						
	3/90	37	3	<1	5.8	<1						
	5/90	31	2	<1	<1	<1						
	9/90	44	3.8	<1	6.4	<1						
	11/90	30	1.5	<1	5.9	<1						
	2/91	25	1.6	<1	5.4	<1						
	5/91	23	1.7	<1	4.5	<1						
	8/91	25	1.2	<0.8	1.3	<0.8						
	11/91	32	2.1	<1	5.8	<1						
	2/92	27	1	<1	4.3	<1						
	5/92	22	<1	<1	4.6	<1						
	8/92	36	1.9	<1	6.5	<1						
	11/92	34	2.2	<1	7.3	<1						
	2/93	13	0.82	<0.4	2.6	<0.4						
	5/93	21	<1	<1	5	<1						
	8/93	28	1.2	<1	6.2	<1						
	11/93	24	1.2	<1.0	<1.0	<1.0						
	2/94	22	1.2	<1.0	4.3	<1.0						
	5/94	19	1.3	<1.0	4.2	<1.0						
	8/94	21	1.2	<1.0	5.5	<1.0						
	11/94	28	1.5	0.8	----	0.6						
	2/95	32	1.3	<0.5	6.5	<0.5						
	6/95	13	<1.0	<1.0	2.8	<1.0						
	8/95	12	<0.5	<0.5	<0.5	<0.5						
	10/95	21	<1	<1	4.2	<1						
	1/96	7.8	<0.5	<0.5	0.6	<0.5						
	6/96	12	<1	<1	2.5	<1						
	7/96	16	<1	<1	3.8	<1						
	11/96	NS	NS	NS	NS	NS						
	6/97	10	<0.5	<0.5	1.8	<0.5						
	11/00	11	<0.5	<1	2	<1		<1				
	11/01	15	<1	<1	2.4	<1		<1.0				
	12/02	NS	NS	NS	NS	NS	NS	NS				
	12/03	12	<0.5	<0.5	2.3	<1		<0.5				
	12/04	8.6	<0.5	<0.5	1.6	<0.5	<0.5	<1.0				
	12/05	6.5	<0.5	<0.5	1.3	<0.5	<0.5	<1.0				
	9/06	8.9	<0.5	<0.5	1.9	<0.5		<1.0				
	12/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	9/08	7.7	<0.5	<0.5	1.6	<0.5						

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
34W (Continued)	12/09	7.6	<0.5	<0.5	1.4	<0.5						
	1/10	6.2	0.2	<0.5	NA	NA	<0.5	<0.5	0.79	<0.5	0.19	<0.5
	12/10	8.5	<0.5	<0.5	1.5	<0.5		<1.0				
35W	9/87	<1	<1	<1	<1	<1						
	12/87	<1	<1	<1	<1	<1						
	2/88	<1	<1	<1	<1	<1						
	3/88	<1	<1	<1	<1	<1						
	9/88	<1	<1	<1	<1	<1						
	6/89	<1	<1	<1	<1	1.2						
	9/89	<1	<1	<1	<1	1.3						
	12/89	<1	<1	<1	<1	1						
	3/90	<1	<1	<1	<1	1.5						
	5/90	<1	<1	1.4	<1	<1						
	9/90	<1	<1	<1	<1	1.8						
	11/90	<1	<1	<1	<1	1.8						
	2/91	<1	<1	<1	<1	1.7						
	5/91	<1	1.1	<1	<1	1.9						
	8/91	<0.2	0.61	<0.2	<0.2	1.5						
	11/91	<0.2	0.6	<0.2	<0.2	1.7						
	2/92	<0.2	0.58	0.45	<0.2	1.6						
	5/92	<0.2	0.91	1.24	<0.2	1.9						
	8/92	<0.2	0.67	<0.2	<0.2	1.6						
	11/92	<0.2	0.91	<0.2	<0.2	2.1						
	2/93	<0.2	1.6	<0.2	<0.2	2.1						
	5/93	<0.2	2.3	1	<0.2	3						
	8/93	<0.2	2.1	0.98	<0.2	2.8						
	11/93	<0.2	2.4	0.26	<0.2	3.4						
	2/94	<0.2	3	0.34	<0.2	3.7						
	5/94	<0.2	2.6	0.21	<0.2	3.5						
	8/94	<0.2	3.5	0.56	<0.2	4						
	11/94	<0.5	3.7	<0.5	<0.5	4.4						
	2/95	<0.5	5.6	<0.5	<0.5	5						
	6/95	<0.5	4.4	1.3	<0.5	4.4						
	8/95	<0.5	<0.5	<0.5	<0.5	5.2						
	10/95	<1	7.1	<1	<1	6.6						
	7/96	<1	7.8	<1	<1	7.6						
	11/96	NS	NS	NS	NS	NS						
	Well Destroyed 5/97											
36W	9/87	<1	<1	<1	<1	<1						
	12/87	<1	<1	<1	<1	<1						
	2/88	<1	<1	<1	<1	<1						
	3/88	<1	<1	<1	<1	<1						
	9/88	<1	3.3	<1	<1	<1						
	6/89	<1	<1	<1	<1	<1						
	9/89	<1	<1	<1	<1	<1						
	12/89	<1	<1	<1	<1	<1						
	3/90	<1	1.3	<1	<1	<1						
	5/90	<1	1.1	<1	<1	<1						
	9/90	<1	1.8	<1	<1	<1						
	11/90	<1	1	<1	<1	<1						
	2/91	<1	1.4	<1	<1	<1						
	5/91	<1	3.3	<1	<1	<1						
	8/91	<0.2	1.1	0.5	<0.2	<0.2						
	11/91	<0.2	3.7	0.44	<0.2	0.75						
	2/92	<0.2	1.8	1.5	<0.2	0.61						
	5/92	<0.2	0.87	1.6	<0.2	0.68						
	8/92	<0.2	1.8	1.1	<0.2	0.68						
	11/92	<0.2	3.7	<0.2	<0.2	0.7						
	2/93	<0.2	1.4	<0.2	<0.2	0.45						
	5/93	<0.2	1.3	0.52	<0.2	0.43						
	8/93	<0.2	2.6	0.98	<0.2	0.93						
	11/93	<0.2	2.1	<0.2	<0.2	1						
	2/94	<0.2	2.2	<0.2	<0.2	0.75						
	5/94	<0.2	2.3	<0.2	<0.2	0.67						
	8/94	<0.2	0.59	<0.2	<0.2	0.28						
	11/94	<0.5	0.8	<0.5	<0.5	<0.5						
	2/95	<0.5	1.6	<0.5	<0.5	<0.5						
	6/95	<0.5	0.7	<0.5	<0.5	<0.5						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	<1						
	7/96	<1	<1	<1	<1	<1						
	11/96	NS	NS	NS	NS	NS						
	Well Destroyed 5/97											
37W	9/87	<1	3.6	<1	<1	<1						
	12/87	<1	18	<1	<1	1.5						
	2/88	<1	6	<1	<1	<1						
	3/88	<1	6	<1	<1	1.5						
	9/88	<1	9.3	<1	<1	1.5						
	6/89	<1	5.2	<1	<1	1.3						
	9/89	<1	14	1.1	<1	1.3						
	12/89	<1	11	2	<1	<1						
	3/90	<1	5.9	<1	<1	1.2						
	5/90	<1	4	<1	<1	<1						
	9/90	<1	5.3	3.4	<1	1.1						
	11/90	<1	8	1.7	<1	1.2						
	2/91	<1	4.4	<1	<1	<1						
	5/91	<1	4.8	<1	<1	1.3						
	8/91	<0.2	3.6	0.5	<0.2	1						
	11/91	<0.2	2.9	0.63	<0.2	0.8						
	2/92	<0.2	2.4	1.6	<0.2	1						
	5/92	<0.2	2.2	0.75	<0.2	0.82						
	8/92	<0.2	2.2	1	<0.2	0.89						
	11/92	<0.2	2.9	0.62	<0.2	0.75						
	2/93	<0.2	1.7	0.43	<0.2	0.92						
	5/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/93	<4.0	<4.0	<4.0	<4.0	<8.0						
	2/94	<4.0	<4.0	<4.0	<4.0	<4.0						
	5/94	<0.2	0.71	<0.2	<0.2	0.39						
	8/94	<0.2	0.96	0.45	<0.2	0.93						
	11/94	<0.5	0.7	<0.5	<0.5	1.1						

TABLE 3-3
SUMMARY OF HISTORICAL GROUNDWATER MONITOTING WELL DATA
Former CTS Printex Superfund Site
Mountain View, CA

Well Designation	Sampling Date	Chemical Concentration - Method 8010 (ug/L)[a]										
		TCE	TCA	DCE	c/t-DCE[2]	DCA[3]	Benzene	Chloroform	c-DCE	t-DCE	1,1-DCA	1,2-DCA
Screening Criteria[1]		5	200	6	10	0.5	1	100	6	10	5	0.5
37W (Continued)	2/95	<0.5	<0.5	<0.5	<0.5	0.7						
	6/95	<0.5	<0.5	<0.5	<0.5	0.74						
	8/95	<0.5	<0.5	<0.5	<0.5	<0.5						
	10/95	<1	<1	<1	<1	<1						
	7/96	<1	<1	<1	<1	<1						
	11/96	NS	NS	NS	NS	NS						
	Well Destroyed 5/97											
38W	10/89	50	5	<1	6	<1						
	12/89	46	3.5	<1	10	<1						
	3/90	25	2.3	<1	2.8	<1						
	5/90	54	4.4	<1	<1	<1						
	9/90	43	2.2	2.2	5.3	<1						
	11/90	60	3	<2	5.2	<2						
	2/91	45	3.9	<2	3.2	<2						
	5/91	38	3.4	<1	4.5	<1						
	11/91	42	2.5	1.2	5.2	<1						
	2/92	45	2	1.7	4.6	<0.2						
	5/92	35	1.1	2.5	3.5	<1						
	8/92	34	2.9	<1	2.9	<1						
	11/92	33	2.1	<1	4.1	<1						
	2/93	32	2.6	<1	3	<1						
	5/93	34	2.4	1.2	3.2	1.1						
	8/93	32	2	1.2	3.4	<0.8						
	11/93	44	2.9	1.5	<1.0	<1.0						
	2/94	28	1.9	<1.0	2.9	<1.0						
	5/94	22	2.5	<0.8	2.2	<0.8						
	8/94	37	2.5	<0.8	4.3	<0.8						
	11/94	41	2.6	0.8	5.4	0.7						
	2/95	49	2.5	<0.5	4.7	<0.5						
	6/95	38	1.9	<1.0	4.1	<1.0						
	8/95	35	<0.5	<0.5	<0.5	<0.5						
	10/95	50	2.1	<1	4.6	<1						
	1/96	18	1.4	<0.5	1.7	<0.5						
	6/96	29	<1	<1	4.3	<1						
	7/96	45	1.6	<1	4.5	<1						
	11/96	NS	NS	NS	NS	NS						
	6/97	7.9	1.8	1.1	2.5	1						
	11/02	22	<0.5	<0.5	1.3	<1		<0.5				
	12/03	19	0.55	<0.5	1.6	<1		<0.5				
	12/04	12	<0.5	<0.5	1.7	<0.5	<0.5	<1.0				
	12/05	9.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0				
	9/06	NS	NS	NS	NS	NS	NS	NS				
	12/07	No Access										
	12/09	No Access										
	12/10	6.4	<0.5	<0.5	1.1	<0.5		<1.0				
39W	8/92	39	<1	<1	6	<1						
	11/92	33	<1	<1	4.9	<1						
	2/93	42	<1	<1	5.6	<1						
	5/93	34	<1	<1	5.9	<1						
	8/93	35	<1	<1	5.5	<1						
	11/93	37	<1	<1	6	<1						
	2/94	31	<1	<1	5.1	<1						
	5/94	34	<1	<1	5.5	<1						
	8/94	33	<1	<1	5.8	<1						
	11/94	32	<0.5	<0.5	7.2	<0.5						
	2/95	43	<0.5	<0.5	6.8	<0.5						
	6/95	28	<0.5	<0.5	7.3	<0.5						
	8/95	30	<0.5	<0.5	5.6	<0.5						
	10/95	42	<1	<1	7.6	<1						
	1/96	28	<0.5	<0.5	4.8	<0.5						
	7/96	38	<1	<1	8.3	<1						
	11/96	NS	NS	NS	NS	NS						
	3/97	33	<1	<1	7.7	<1						
	12/97	33	<0.5	<0.5	7.7	<0.5						
	Well Destroyed 1998											
D1W	9/86	<0.2	<0.2	<0.2	<0.2	<0.2						
	10/86	<0.2	<0.2	<0.2	<0.2	<0.2						
	9/88	<0.2	<0.2	<0.2	<0.2	<0.2						
	6/89	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/92	<0.2	<0.2	<0.2	<0.2	<0.2						
	5/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	10/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/00	<1	<0.5	<1	<1	<1						
	Well Destroyed 2007											
D2W	9/88	<0.2	<0.2	<0.2	<0.2	<0.2						
	6/89	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/92	<0.2	<0.2	<0.2	<0.2	<0.2						
	5/93	<0.2	<0.2	<0.2	<0.2	<0.2						
	11/93	<0.2	<0.4	<1	<1	<1						
	11/00	<0.5	<0.5	<0.5	<0.5	<0.5						
	1/10	<0.5	<0.5	<0.5	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

bold Indicates values above the screening criteria.
1,1-DCA 1,1-dichloroethane
1,2-DCA 1,2-dichloroethane
TCE trichloroethene
TCA 1,1,1-trichloroethane
DCE 1,1-dichloroethene
c/t-DCE cis/trans-1,2-dichloroethene
c-DCE cis-1,2-dichloroethene
t-DCE trans-1,2-dichloroethene
DCA 1,1- and 1,2-dichloroethane
1 Record of Decision, CTS Printex Corporation Superfund Site, Mountain View, California (June, 1991), based on EPA and CA MCLs.
2 Geosyntech data (1987-2009) cis/trans dichloroethene data was combined.
3 Geosyntech data (1987-2009) 1,1-dichloroethane and 1,2-dichloroethane data was combined.
4 Monitoring well 24W was converted to extraction well ED3W.

Table 4-1
Summary of Groundwater Data from Supplemental RI
CTS Printex Superfund Site
Mountain View, California

	Station Location :	7W	7W	8W	11W	12W	13W	13W	14W	17W	17W	19W	20W	21W	22W	23W	25W	33W	34W	D2W	MIP-4	MIP-4-1
	Sample ID :	Y61B9	Y61C0	Y61B7	Y5QE9	Y5QE8	Y5QE1	Y5QE2	Y5QE3	Y5QA7	Y5QA8	Y5QB1	Y5QA9	Y61C1	Y5QE0	Y5QD9	Y61C2	Y5QA2	Y5QA5	Y5QE7	Y5QF1	Y61C6
	Collection Date :	2/24/2010	2/24/2010	2/24/2010	1/19/2010	1/19/2010	1/18/2010	1/18/2010	1/18/2010	1/12/2010	1/12/2010	1/13/2010	1/13/2010	2/24/2010	1/18/2010	1/18/2010	2/24/2010	1/12/2010	1/12/2010	1/19/2010	1/20/2010	2/25/2010
	Sample depth (feet bgs):	13	13	35	15	35	15	15	35	26	26	35	12	18	15	30	20	12	13	63	18	16
VOCs by EPA Method 8260B (µg/L)	**EPA MCL/CA MCL**																					
1,1,1-Trichloroethane	200	**0.33J**	**0.32J**	**0.19J**	<0.50	**0.82**	<0.50	<0.50	**0.72**	<0.50	<0.50	**0.054J**	**0.45J**	<0.50	**0.12J**	**0.50**	<0.50	<0.50	**0.20J**	<0.50	**0.17J**	**0.79**
1,1,2,2-Tetrachloroethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	-- / 5	**0.35J**	**0.35J**	<0.50	**5.6**	**1.7**	**0.55**	**0.6**	**0.60**	**30**	**31**	**0.41J**	**2.4**	**1.1**	**1.1**	**4.8**	**0.11J**	**1.7**	0.19J	<0.50	**9.3**	**8.7**
1,1-Dichloroethene	7 / 6	<0.50	<0.50	<0.50	2.8	<0.50	<0.50	<0.50	1.2	**31**	**33**	<0.50	**1.4**	<0.50	**1.3**	**3.0**	<0.50	**2.8**	<0.50	<0.50	**7.0**	**4.7**
1,2,3-Trichlorobenzene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dibromo-3-chloropropane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dibromoethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichlorobenzene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	5 / 0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dioxane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Hexanone	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	--	**5.9**	**<5.0**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**1.1J**	<5.0
Benzene	5 / 1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromochloromethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	--	**2.0**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Disulfide	--	**0.12J**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.11J
Carbon tetrachloride	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroform	100 / --	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloromethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.14J
cis-1,2-Dichloroethene	70/6	**1.5**	**1.4**	**0.62**	**40**	**3.8**	**2.4**	**2.6**	**3.5**	**330**	**340**	<0.50	**5.9**	**0.40J**	**4.6**	**16**	**4.5**	**8.3**	**0.79**	<0.50	**95**	**46E**
cis-1,3-Dichloropropene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cyclohexane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	--	**0.26J**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m,p-Xylene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl acetate	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether	--	**0.40J**	**0.42J**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.17J**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylcyclohexane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylene chloride	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<0.50	<0.50	<0.50	<0.50	<0.50	0.44J	0.63	<0.50	<0.50
o-Xylene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene	5 / 5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	1000 / 100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethene	100 / 10	<0.50	<0.50	<0.50	**1.3**	<0.50	<0.50	<0.50	<0.50	**11J**	**10**	<0.50	0.11J	<0.50	<0.50	<0.50	<0.50	0.20J	<0.50	<0.50	9.1	3.8
trans-1,3-Dichloropropene	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethene	5	**7.4**	**7.3**	**3.7**	**9.7J**	**16J**	**0.51J**	**0.48J**	**19J**	**79**	**75**	<0.50	**7**	<0.50	**7.9J**	**7.3J**	**2.6**	**8.3**	**6.2**	<0.50J	**53J**	**38E**
Trichlorofluoromethane	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl chloride	2 / 0.5	<0.50	<0.50	<0.50	<0.1J	<0.1J	<0.50	**0.05J**	**0.082J**	**0.24J**	**0.25J**	**<0.1J**	0.043 J	<0.50	0.052J	0.06J	<0.50	0.096J	<0.1	<0.1J	0.15	<0.50

Notes:
Bold - above screening criteria
-- Not Available
J - estimated value
R - rejected. Laboratory analysis did not meet quality control criteria.
B- Reported value is <Contract Required Detection Limit(CRDL), but >Instrument Detection Limit (IDL)

Table 4-1
Summary of Groundwater Data from Supplemental RI
CTS Printex Superfund Site
Mountain View, California

	TW1-D1	TW1-S1	TW2-D1	TW2-D2	TW2-D3	TW2-S1	TW2-S2	TW2-S3	TW3-D1	TW3-D2	TW3-D3	TW3-S1	TW3-S1	TW3-S2	TW3-S3	TW4-D1	TW4-D2	TW4-D3	TW4-S1	TW4-S2	TW4-S3	TW4-S3	TW5-S1
	Y5QC6	Y5QC5	Y5QB2	Y5QB5	Y5QB7	Y5QB3	Y5QB4	Y5QB6	Y5QC7	Y5QC2	Y5QC1	Y5QC3	Y5QC4	Y5QB8	Y5QC0	Y5QD0	Y5QD4	Y5QD7	Y5QC9	Y5QD1	Y5QD5	Y5QD6	Y61C4
	1/14/2010	1/14/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/13/2010	1/14/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	2/25/2010
Sa	35	15	35	35	35	15	15	15	35	35	35	15	15	15	15	35	35	35	15	15	15	15	15
VOCs by EPA Method 8260B (µg/L)																							
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.052J**	<0.50	**0.15J**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	<0.50	**0.14J**	**0.10J**	**0.12J**	<0.50	**0.13J**	**0.15J**	<0.50	**0.44J**	<0.50	<0.50	<0.50	<0.50	<0.50	0.18J	0.54	<0.50	<0.50	**1.4**	<0.50	<0.50	<0.50	**0.57**
1,1-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.7**	<0.50	<0.50	<0.50	**0.34J**
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dibromo-3-chloropropane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dibromoethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dioxane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Hexanone	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.12J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.12J**	<0.50	<0.50	<0.50	**0.083J**	<0.50	**0.046J**	**0.078J**	<0.50	<0.50	<0.50	<0.50	**0.21J**
Carbon tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.50U**
Chloroform	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethene	**1.2**	**1.7**	**0.26J**	**0.12J**	<0.50	**0.66**	**1.8**	**1.7**	**0.44J**	<0.50	**1.3**	**0.87**	**0.86**	**0.84**	**1.6**	**0.31J**	<0.50	<0.50	**2**	<0.50	<0.50	<0.50	**7.3**
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cyclohexane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m,p-Xylene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl acetate	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylcyclohexane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylene chloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	<0.50	**1**	**0.50J**	<0.50	<0.50	<0.50	<0.50	<0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	0.45J	0.050J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.057J**	**0.072J**	**0.19J**	**0.063J**	**0.057J**	<0.50	**0.11J**	**0.047J**	**0.11J**	**0.11J**	**0.048J**	**0.052J**	**0.26 J**	**0.17J**	**0.28J**
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethene	**2.7**	**4.4**	<0.50	<0.50	<0.50	<0.50	**0.77**	**3.9**	<0.50	<0.50	0.75	<0.50	<0.50	**1.1**	**2.6**	<0.50	<0.50	<0.50	4.7	<0.50	<0.50	<0.50	1.4
Trichlorofluoromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl chloride	<0.1	**0.037**	<0.1	<0.1	<0.1	<0.1J	0.079	**0.039**	<0.1	<0.1	<0.1	**0.12**	**0.055J**	**0.038**	**0.048**	**0.041 J**	<0.1	<0.1	**0.065**	<0.1	<0.1	<0.1	<0.50

Notes:
Bold - above screening criteria
-- Not Available
J - estimated value
R - rejected. Laboratory analysis did not m
B- Reported value is <Contract Required D

Table 4-1
Summary of Groundwater Data from Supplemental RI
CTS Printex Superfund Site
Mountain View, California

	TB-C1	TB-C2	TB-C3	TB-C4	TB-C5	TB-C6	TB-C7	TB-C8	TB-C9	Station Location :	MIP-4-1
	Y5QA6	Y5QB0	Y5QB9	Y5QC8	Y5QD8	Y5QE6	Y5QF0	Y61B8	Y61C3	Sample ID :	Y61C5
	1/12/2010	1/13/2010	1/15/2010	1/15/2010	1/18/2010	1/19/2010	1/20/2010	2/24/2010	2/25/2010	Collection Date :	2/25/2010
Sa	NA	NA	NA	NA	NA	NA	NA	NA	NA		16
VOCs by EPA Method 8260B (µg/L)										VOCs by EPA Method 8260B (mg/kg)	
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,1-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,2-Dibromo-3-chloropropane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,2-Dibromoethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
1,4-Dioxane	--	--	--	--	--	--	--	--	--		<120R
2-Butanone	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		<12
2-Hexanone	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		<12
4-Methyl-2-pentanone	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		<12
Acetone	<5.0	**2.3J**	**2.6J**	**2.4J**	**1.1J**	<5.0	<5.0	<5.0	<5.0		**12JB**
Benzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Bromoform	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Bromomethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Carbon Disulfide	**0.17J**	**0.19J**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Carbon tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Chloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Chloroform	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.29J		<6.1
Chloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		3.3J
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Cyclohexane	<0.50	<0.50	**0.11J**	0.089J	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Dichlorodifluoromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
m,p-Xylene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Methyl acetate	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Methyl tert-butyl ether	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Methylcyclohexane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Methylene chloride	**0.35J**	**0.40J**	**0.43J**	<0.50	<0.50	<0.50	<0.50	<0.50	**1.3**		**6.1JB**
o-Xylene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Styrene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Toluene	<0.50	<0.50	0.033J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		**6.1JB**
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		**0.37J**
trans-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Trichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50J	<0.50J	<0.50J	<0.50	<0.50		6.8
Trichlorofluoromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<6.1
Vinyl chloride	<0.1J	<0.1J	<0.1	<0.1	<0.1	<0.1J	<0.50	<0.50	<0.50		<6.1

Notes:
Bold - above screening criteria
-- Not Available
J - estimated value
R - rejected. Laboratory analysis did not m
B- Reported value is <Contract Required D

Table 4-2
Summary of Indoor Air Sampling Data
CTS Printex Superfund Site - Off-Property Area
Mountain View, California

Sample ID	Date Collected	Time Collected	Location	Ambient Temp Start (^oF)	Ambient Temp Stop (^oF)	Vinyl chloride (ug/m^3)	1,1-DCE (ug/m^3)	Methylene Chloride (ug/m^3)	t-1,2-DCE (ug/m^3)	Benzene[4,5] (ug/m^3)	1,1-DCA (ug/m^3)	Chloroform[5] (ug/m^3)	1,1,1-TCA (ug/m^3)	1,2-DCA[4] (ug/m^3)	TCE (ug/m^3)	Toluene (ug/m^3)	PCE (ug/m^3)
TRIP BLANKS																	
TB-030410	3/4/2010	8:00	Trip Blank - 1st sampling event	-	-	<0.13	<0.2	<0.17	<0.2	<0.16	<0.2	<0.24	<0.27	<0.2	***<0.27***	<0.19	<0.34
6TB-031010-E2	3/10/2010	11:00	Trip Blank - 2nd sampling event	-	-	<0.13	<0.2	<0.17	<0.2	<0.16	<0.2	<0.24	<0.27	<0.2	***<0.27***	<0.19	<0.34
TB-061810	6/18/2010	15:00	Trip Blank - 3rd sampling event	-	-	<0.13	<0.2	<0.17	<0.2	<0.16	<0.2	<0.24	<0.27	<0.2	***<0.27***	<0.19	<0.34
TB-061910	6/19/2010	13:00	Trip Blank - 3rd sampling event	-	-	<0.13	<0.2	<0.17	<0.2	<0.16	<0.2	<0.24	<0.27	<0.2	***<0.27***	<0.19	<0.34
OUTSIDE AIR SAMPLES																	
1st Sampling Event																	
935-OA-01-E1	3/5/2010	8:35	Outside behind Bldg 935-F	65	60	<0.13	<0.2	0.51	<0.2	1	<0.2	0.14 (J)	<0.27	0.11(J)	***0.45***	3.2(J)[1]	0.24(J)
2nd Sampling Event																	
935OA-01-E2	3/11/2010	14:21	Outside behind Bldg 935-F	70	72	<0.13	0.1	2.8	<0.2	1.5	0.17	0.95	1.3	0.17(J)	***0.89***	15(J)[1]	<0.34
Third Sampling Event																	
935OA-IA-01-E3	6/19/2010	14:29	Outside, North of Sequetech building	72	74	<0.13	<0.2	0.26	<0.2	0.77	<0.2	0.15(J)	<0.27	<0.2	***<0.27***	1.9	<0.34
935OA-02-E3	6/18/2010	16:08	Outside CODAR's front entrance.	68	65	<0.13	<0.2	0.2	<0.2	0.14(J)	<0.2	0.14(J)	<0.27	<0.2	***<0.27***	0.47	<0.34
INDOOR AIR SAMPLES																	
935-C Sierra Vista																	
1st Sampling Event																	
935IA-01-E1	3/5/2010	9:23	Sequetech	65	68	<0.13	<0.2	58(J)[1]	<0.2	1.3	<0.2	1	1.4	0.16(J)	***0.84***	15(J)[1]	0.18(J)
2nd Sampling Event																	
935IA-01-E2	3/11/2010	13:52	Sequetech	70	72	<0.13	<0.2	0.29	<0.2	1.3	<0.2	0.16 (J)	<0.27	0.11(J)	***<0.27***	4.1 (J)[1]	<0.34
Third Sampling Event																	
935-SQ-IA-01-E3	6/19/2010	14:05	Sequetech office adjacent to Biotech office	74	76	<0.13	<0.2	1.7	<0.2	0.34	<0.2	0.53	0.82	0.11(J)	***0.49***	6.6	<0.34
935-SQ-IA-02-E3	6/19/2010	14:08	Sequetech - office space	72	72	<0.13	<0.2	3.3	<0.2	0.22	<0.2	0.51	1.4	0.1(J)	***0.41***	11	<0.34
935-A Sierra Vista																	
1st Sampling Event																	
935IA-02-E1	3/5/2010	10:36	ROD-L	65	68	<0.13	<0.2	150(J)[1]	<0.2	1.3	<0.2	0.22(J)	3.3(J)[1]	0.13	***<0.27***	37 (J)[1]	<0.34
935IA-03-E1	3/5/2010	10:37	ROD-L (dup)	65	68	<0.13	<0.2	150 (J)[1]	<0.2	1.3	<0.2	0.23(J)	3.5 (J)[1]	0.13 (J)	***<0.27***	37(J)[1]	<0.34
2nd Sampling Event																	
935IA-02-E2	3/11/2010	14:30	ROD-L	70	72	<0.13	<0.2	5.5	<0.2	1.4	<0.2	0.22 (J)	3.2(J)[1]	0.13 (J)	***<0.27***	20	<0.34
935IA-03-E2	3/11/2010	14:32	ROD-L (dup)	70	72	<0.13	<0.2	5.6	<0.2	1.5	<0.2	0.27	3.4 (J)[1]	0.13 (J)	***<0.27***	20	<0.34
Third Sampling Event																	
935-RD-IA-03-E3	6/19/2010	14:25	ROD-L - corner rear office towards Hwy 101	72	71	<0.13	<0.2	6.1	<0.2	0.3	<0.2	0.22 (J)	3	<0.2	***<0.27***	30	<0.34
935-RD-IA-04-E3	6/19/2010	14:20	ROD-L- Meeting Room, set next to 935RD-1A-05-E3	71	71	<0.13	<0.2	7.2	<0.2	0.29	<0.2	0.28	3.9	0.12(J)	***<0.27***	30	<0.34
935-RD-IA-05-E3	6/19/2010	14:17	ROD-L - Meeting Room	71	71	<0.13	<0.2	6.5	<0.2	0.26	<0.2	0.22 (J)	3.6	0.13 (J)	***0.3***	26	<0.34

Table 4-2
Summary of Indoor Air Sampling Data
CTS Printex Superfund Site - Off-Property Area
Mountain View, California

Sample ID	Date Collected	Time Collected	Location	Ambient Temp Start (°F)	Ambient Temp Stop (°F)	Vinyl chloride (ug/m^3)	1,1-DCE (ug/m^3)	Methylene Chloride (ug/m^3)	t-1,2-DCE (ug/m^3)	Benzene[4,5] (ug/m^3)	1,1-DCA (ug/m^3)	Chloroform[5] (ug/m^3)	1,1,1-TCA (ug/m^3)	1,2-DCA[4] (ug/m^3)	TCE (ug/m^3)	Toluene (ug/m^3)	PCE (ug/m^3)
1924 Plymouth St.																	
3rd Sampling Event																	
1924-EXCEL-IA-11-E3	6/18/2010	18:05	EXCEL - Unit A - middle desk in office	73	71	<0.13	<0.2	0.2	<0.2	0.2	<0.2	0.25	<0.27	<0.2	***<0.27***	0.84	<0.34
1924-EXCEL-IA-12-E3	6/18/2010	16:39	EXCEL - Unit C (vacant)	75	75	<0.13	<0.2	0.21	<0.2	0.46	<0.2	0.38	<0.27	0.14(J)	***0.67***	2.4	<0.34
1914 Plymouth St.																	
1st Sampling Event																	
1914IA-01-E1	3/5/2010	9:40	Codar - Work Bench	65	68	<0.13	<0.2	0.33	<0.2	1.3	0.13	0.23(J)	0.18(J)	0.13(J)	***1.1***	20(J)[1]	<0.34
2nd Sampling Event																	
1914IA-01-E2	3/11/2010	15:00	Codar - Work Bench	70	72	<0.13	<0.2	0.36	<0.2	1.4	0.13	0.25	0.2 (J)	0.13 (J)	***1.1***	4.9 (J)[2]	<0.34
3rd Sampling Event																	
1914COD-IA-06-E3	6/18/2010	16:24	Codar - Kitchen Area	78	77	<0.13	<0.2	0.24	<0.2	0.26	<0.2	0.19(J)	0.16(J)	<0.2	***0.85***	2.6	<0.34
1914COD-IA-07-E3	6/18/2010	16:30	Codar - Work Bench	76	75	<0.13	<0.2	0.24	<0.2	0.27	<0.2	0.19(J)	0.16(J)	<0.2	***0.41***	2.9	0.17(J)
1914COD-IA-08-E3	6/18/2010	16:49	Codar - Warehouse Area	75	75	<0.13	<0.2	0.33	<0.2	1.2	<0.2	0.18(J)	.22(J)	<0.2	***0.93***	10	<0.34
1914COD-IA-09-E3	6/18/2010	16:18	Codar - Office Space	76	77	<0.13	<0.2	0.24	<0.2	0.25	<0.2	0.18(J)	0.14(J)	<0.2	***0.75***	2.6	<0.34
1914COD-IA-10-E3	6/18/2010	16:48	Codar - Warehouse Area (duplicate)	75	75	<0.13	<0.2	0.33	<0.2	1.2	<0.2	0.18(J)	.22(J)	<0.2	***0.94***	9.8	<0.34
917 Sierra Vista Avenue																	
10049	8/28/2010	10:47	Indoor	NM	NM	NQ	NQ	NQ	NQ	0.68	NQ	6.2	<0.16	0.17[5]	<0.14	4.6	0.25
10050	8/28/2010	10:49	Indoor	NM	NM	NQ	NQ	NQ	NQ	0.65	NQ	5.1	<0.16	0.16[5]	<0.14	4.3	0.19
10051	8/28/2010	10:54	Outdoor	NM	NM	NQ	NQ	NQ	NQ	0.51	NQ	0.22	<0.16	<0.13	<0.14	2.0	<0.17
10052	8/28/2010	11:07	Indoor	NM	NM	NQ	NQ	NQ	NQ	1.0	NQ	0.54	<0.16	<0.13	<0.14	6.1	<0.17
10053	8/28/2010	11:07	Indoor	NM	NM	NQ	NQ	NQ	NQ	1.1	NQ	0.58	<0.16	<0.13	<0.14	6.9	<0.17
10054	8/28/2010	11:04	Outdoor	NM	NM	NQ	NQ	NQ	NQ	0.57	NQ	0.22	<0.16	<0.13	<0.14	2.2	<0.17
10055	8/28/2010	11:17	Indoor	NM	NM	NQ	NQ	NQ	NQ	0.52	NQ	0.92	<0.16	<0.13	<0.14	2.8	<0.17
10056	8/28/2010	11:18	Indoor	NM	NM	NQ	NQ	NQ	NQ	0.70	NQ	1.5	<0.16	<0.13	<0.14	3.9	<0.17
10057	8/28/2010	11:20	Outdoor	NM	NM	NQ	NQ	NQ	NQ	0.52	NQ	0.25	<0.16	<0.13	<0.14	2.1	<0.17
Risk-based Criteria - Commercial[3]						**2.8**	**880**	**26**	**260**	**1.6**	**7.7**	**0.53**	**22,000**	**0.47**	**6.1**	**22,000**	**2.1**
Risk-based Criteria - Residential[3]						**0.16**	**210**	**5.2**	**63**	**0.31**	**1.5**	**0.11**	**5,200**	**0.094**	**1.2**	**5,200**	**0.41**

Notes:
(J)[1] - Estimated value. Beyond the calibration range of instrument
J - Estimated value. Below sample quantitation limit.
[2] - SQL is 5.6 ppbv
[3] - EPA's Regional Screening Level (RSL) established as acceptable indoor air criteria with respect to carcinogenic or non-carcinogenic risks. November 2010 update source: http://www.epa.gov/region9/superfund/prg/.
[4] - Present in outdoor (ambient) air samples collected at the Site.
[5] - Vapor intrusion pathway is not the source of indoor air concentrations in consideration of shallow groundwater concentrations.
IA - Indoor Air
NQ - Not quantified
NM - Not measured (sampling occurred over a 7 day period and temperatures varied)

Table 4-3
Sub-Slab Vapor Sampling Data
CTS Printex Superfund Site - Off-Property Area

Sample ID	Date Collected	Time Collected	Location	Ambient Temp Start (°F)	Ambient Temp Stop (°F)	Vinyl chloride (ug/m3)	1,1-DCE (ug/m3)	Methylene Chloride (ug/m3)	t-1,2-DCE (ug/m3)	Benzene (ug/m3)	1,1-DCA (ug/m3)	Chloroform (ug/m3)	1,1,1-TCA (ug/m3)	1,2-DCA (ug/m3)	TCE (ug/m3)	Toluene (ug/m3)	PCE (ug/m3)
TRIP BLANKS																	
TB-061910	6/19/2010	13:00	Trip Blank			<0.13	<0.2	<0.17	<0.2	<0.16	<0.2	<0.24	<0.27	<0.2	***<0.27***	<0.19	<0.34
1924 Plymouth St.																	
1924-EXCEL-SS-04-E3	6/19/2010	15:20	Unit C - sub-slab sample	75	75	<6.0	40	<9.0	<10	4(J)	7(J)	30	1,400	<10	***8,500***	6	40
1914 Plymouth St.																	
1914-COD-SS-02-E3	6/19/2010	16:45	CODAR - Work Area, sub-slab sample	75	75	<6.0	<9.0	<8.0	7(J)	<7.0	30	8(J)	3000	<9.0	***6800***	<9.0	20
1914-COD-SS-03-E3	6/19/2010	17:31	CODAR - Former Olds, sub-slab sample	75	75	<6.0	<9.0	<8.0	<9.0	<7.0	<9.0	10 (J)	900	<9.0	***2900***	<9.0	30
Screening Criteria - Commercial[1]						**28**	**8,800**	**260**	**2,600**	**16**	**77.0**	**5.3**	**220,000**	**4.7**	**61**	**220,000**	**21**
Screening Criteria - Residential[1]						**1.6**	**2,100**	**52**	**630**	**3.1**	**15**	**1.1**	**52,000**	**0.94**	**12**	**52,000**	**4.1**

Notes:
J - Estimated value. Below sample quantitation limit.
1 - An attenuation factor of 10 was applied to EPA's Regional Screening Level (RSL) for indoor air to established the sub-slab screening levels. The source of the indoor air RSLs was: November 2010 update from http://www.epa.gov/region9/superfund/prg/.

TABLE 5-1
EXPOSURE PARAMETERS FOR RESIDENTIAL AND COMMERCIAL RECEPTORS

PARAMETERS	UNITS	ADULT AND CHILD RESIDENT	COMMERCIAL WORKER
EF = Exposure Frequency	days/year	350	250
EDa = Exposure Duration (adult)	years	24	25
EDc = Exposure Duration (child)	years	6	NA
ET - Exposoure Time	hours/day	24	8
BWadult = Body Weight	kg	70	70
BWchild = Body Weight	kg	15	NA
IUR = Inhalation Unit Risk	$(ug/m^3)^{-1}$	chemical-specific	chemical-specific
RfC - Inhalation reference concentration	mg/m^3	chemical-specific	chemical-specific
ATc = Averaging Time - carcinogen	days	25550	25550
ATnc = Averaging Time - noncarcinogen (adult)	days	8760	9125
ATnc = Averaging Time - noncarcinogen (child)	days	2190	NA

NA - not applicable

TABLE 5-2

RISK ESTIMATES DUE TO INDOOR AIR EXPOSURES - HVAC System ON
Former CTS Printex Superfund Site

935-C Sierra Vista Avenue

CARCINOGENS	Maximum Cia	RSL (µg/m^3)		RISK	
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
Benzene	1.3	0.31	1.6	4.E-06	8.E-07
Chloroform	1	0.11	0.5	9.E-06	2.E-06
1,1-DCA	Not Detected	1.5	7.7	--	--
1,2-DCA	0.16	0.09	0.5	2.E-06	3.E-07
Methylene chloride	0.29	5.2	26.0	6.E-08	1.E-08
PCE	0.18	0.041	2.1	4.E-06	9.E-08
TCE	0.84	1.2	6.1	7.E-07	1.E-07
		Cumulative Cancer Risk		**2E-05**	**3E-06**

NON-CARCINOGENS	Cia	RSL (µg/m^3)		RISK	Hazard Quotient
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
1,1,1-TCA	1.4	5200	22000	0.0003	0.0001
Toluene	15	5200	22000	0.0029	0.0007
		Cumulative Hazard Index		**0.0032**	**0.0007**

935-F Sierra Vista Avenue

CARCINOGENS	Maximum Cia	RSL (µg/m^3)		RISK	
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
Benzene	1.5	0.31	1.6	5.E-06	9.E-07
Chloroform	0.27	0.11	0.5	2.E-06	5.E-07
1,1-DCA	Not Detected	1.5	7.7	--	--
1,2-DCA	0.13	0.09	0.5	1.E-06	2.E-06
Methylene chloride	5.6	5.2	26.0	1.E-06	2.E-07
PCE	Not Detected	0.041	2.1	--	--
TCE	Not Detected	1.2	6.1	--	--
		Cumulative Cancer Risk		**1E-05**	**3E-06**

NON-CARCINOGENS	Cia	RSL (µg/m^3)		RISK	Hazard Quotient
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
1,1,1-TCA	3.5	5200	22000	0.0007	0.0002
Toluene	37	5200	22000	0.0071	0.0017
		Cumulative Hazard Index		**0.008**	**0.002**

1914 Plymouth St.

CARCINOGENS	Maximum Cia	RSL (µg/m^3)		RISK	
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
Chloroform	0.25	0.11	0.5	2.E-06	5.E-07
1,1-DCA	0.13	1.5	7.7	9.E-08	2.E-08
1,2-DCA	0.13	0.09	0.5	1.E-06	3.E-07
Methylene chloride	0.36	5.2	26.0	7.E-08	1.E-08
TCE	1.1	1.2	6.1	9.E-07	2.E-07
		Cumulative Cancer Risk		**5E-06**	**1E-06**

NON-CARCINOGENS	Cia	RSL (µg/m^3)		RISK	Hazard Quotient
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
1,1,1-TCA	0.25	5200	22000	0.0000	0.0000
Toluene	20	5200	22000	0.0038	0.0009
		Cumulative Hazard Index		**0.0039**	**0.0009**

TABLE 5-2
RISK ESTIMATES DUE TO INDOOR AIR EXPOSURES - HVAC System Off
Former CTS Printex Superfund Site

935-C Sierra Vista Avenue

CARCINOGENS	Maximum Cia	RSL (µg/m^3)		RISK	
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
Benzene	0.34	0.31	1.6	1.E-06	2.E-07
Chloroform	0.53	0.11	0.5	5.E-06	1.E-06
1,1-DCA	Not Detected	1.5	7.7	--	--
1,2-DCA	0.11	0.09	0.5	1.E-06	2.E-07
Methylene chloride	3.3	5.2	26.0	6.E-07	1.E-07
PCE	Not Detected	0.041	2.1	--	--
TCE	0.49	1.2	6.1	4.E-07	8.E-08
		Cumulative Cancer Risk		**8E-06**	**2E-06**

NON-CARCINOGENS	Cia	RSL (µg/m^3)		RISK	Hazard Quotient
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
1,1,1-TCA	1.4	5200	22000	0.0003	0.0001
Toluene	11	5200	22000	0.0021	0.0005
		Cumulative Hazard Index		**0.0024**	**0.0006**

935-F Sierra Vista Avenue

CARCINOGENS	Maximum Cia	RSL (µg/m^3)		RISK	
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
Benzene	0.29	0.31	1.6	9.E-07	2.E-07
Chloroform	0.28	0.11	0.5	3.E-06	5.E-07
1,1-DCA	Not Detected	1.5	7.7	--	--
1,2-DCA	0.13	0.09	0.5	1.E-06	3.E-07
Methylene chloride	7.2	5.2	26.0	1.E-06	3.E-07
PCE	Not Detected	0.041	2.1	--	--
TCE	0.3	1.2	6.1	--	--
		Cumulative Cancer Risk		**6E-06**	**1E-06**

NON-CARCINOGENS	Cia	RSL (µg/m^3)		RISK	Hazard Quotient
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
1,1,1-TCA	3.9	5200	22000	0.0008	0.0002
Toluene	30	5200	22000	0.0058	0.0014
		Cumulative Hazard Index		**0.007**	**0.002**

1914 Plymouth St.

CARCINOGENS	Maximum Cia	RSL (µg/m^3)		RISK	
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
Chloroform	0.19	0.11	0.5	2.E-06	4.E-07
1,1-DCA	Not Detected	1.5	7.7	--	--
1,2-DCA	Not Detected	0.09	0.5	--	--
Methylene chloride	0.33	5.2	26.0	6.E-08	1.E-08
TCE	0.94	1.2	6.1	8.E-07	2.E-07
		Cumulative Cancer Risk		**3E-06**	**5E-07**

NON-CARCINOGENS	Cia	RSL (µg/m^3)		RISK	Hazard Quotient
Chemical	**(µg/m^3)**	**Residential**	**Commercial**	**Residential**	**Commercial**
1,1,1-TCA	0.22	5200	22000	0.0000	0.0000
Toluene	10	5200	22000	0.0019	0.0005
		Cumulative Hazard Index		**0.0020**	**0.0005**

TABLE 5-2
RISK ESTIMATES DUE TO INDOOR AIR EXPOSURES - HVAC System Off
Former CTS Printex Superfund Site

1924 Plymouth St.

CARCINOGENS	**Maximum Cia**	**RSL ($\mu g/m^3$)**		**RISK**	
Chemical	**($\mu g/m^3$)**	**Residential**	**Commercial**	**Residential**	**Commercial**
Chloroform	0.38	0.11	0.5	3.E-06	7.E-07
1,1-DCA	Not Detected	1.5	7.7	--	--
1,2-DCA	0.14	0.09	0.5	2.E-06	3.E-07
Methylene chloride	0.21	5.2	26.0	4.E-08	8.E-09
TCE	0.67	1.2	6.1	6.E-07	1.E-07
		Cumulative Cancer Risk		**6E-06**	**1E-06**

NON-CARCINOGENS	**Cia**	**RSL ($\mu g/m^3$)**		**RISK**	**Hazard Quotient**
Chemical	**($\mu g/m^3$)**	**Residential**	**Commercial**	**Residential**	**Commercial**
1,1,1-TCA	Not Detected	5200	22000	--	--
Toluene	2.4	5200	22000	0.0005	0.0001
		Cumulative Hazard Index		**0.0005**	**0.0001**

Table 7-1
Results for Select VOCs during ITSI's 2010 Groundwater Sampling[1]
CTS Printex Superfund Site
Mountain View, California

COC	Number of Samples	Number of Detects	Frequency of Detection (%)	Maximum Value (ug/L)	Cleanup Levels (ug/L)	MCL (EPA/CA) (ug/L)
PCE	44	0	0	–	5	5/5
TCE	44	27	61	79	5	5/5
1,1,1-TCA	44	14	32	0.82	200	200/200
cis-1,2-DCE*	44	35	80	340	–	70/6
trans-1,2-DCE	44	7	15	11	10	100/10
1,1-DCE	44	13	30	33	6	7/6
1,1-DCA	44	29	66	31	5	–/5
1,2-DCA	44	0	0	–	0.5	5/0.5
Vinyl Chloride*	44	18	41	0.25	–	2/0.5
Chloroform	44	0	0	–	100	80/80
Methylene Chloride	44	6	13	1	5	5/5
Benzene	44	1	2	0.12	1	5/1
Toluene	44	16	36	0.45	100	1,000/150

* Not listed as COC in the ROD.

[1] Shading indicates current concentrations above the clemical's MCL.

FIGURES

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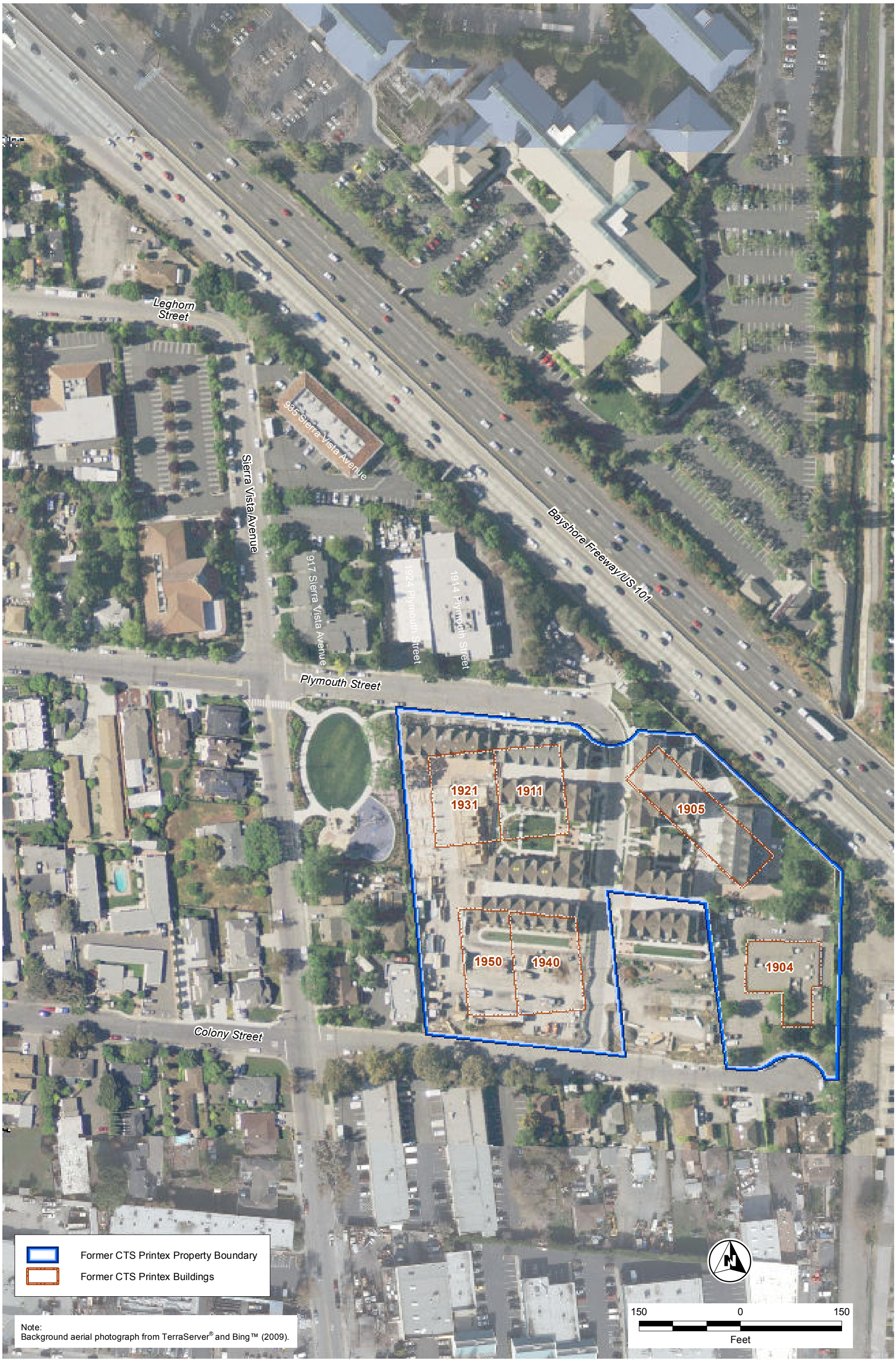
CTS Printex Superfund Site
Mountain View, California

FIGURE 2-1
Site Location

G:\ArcGIS\EPA\Printex_MtnView\PROJECTS\Focused_FS\Site Location.mxd 12/15/2010 [14:13 PM] EANDERSON, ITSI



CTS Printex Superfund Site
Mountain View, California

FIGURE 2-2
Site Vicinity

CTS Printex Superfund Site
Mountain View, California

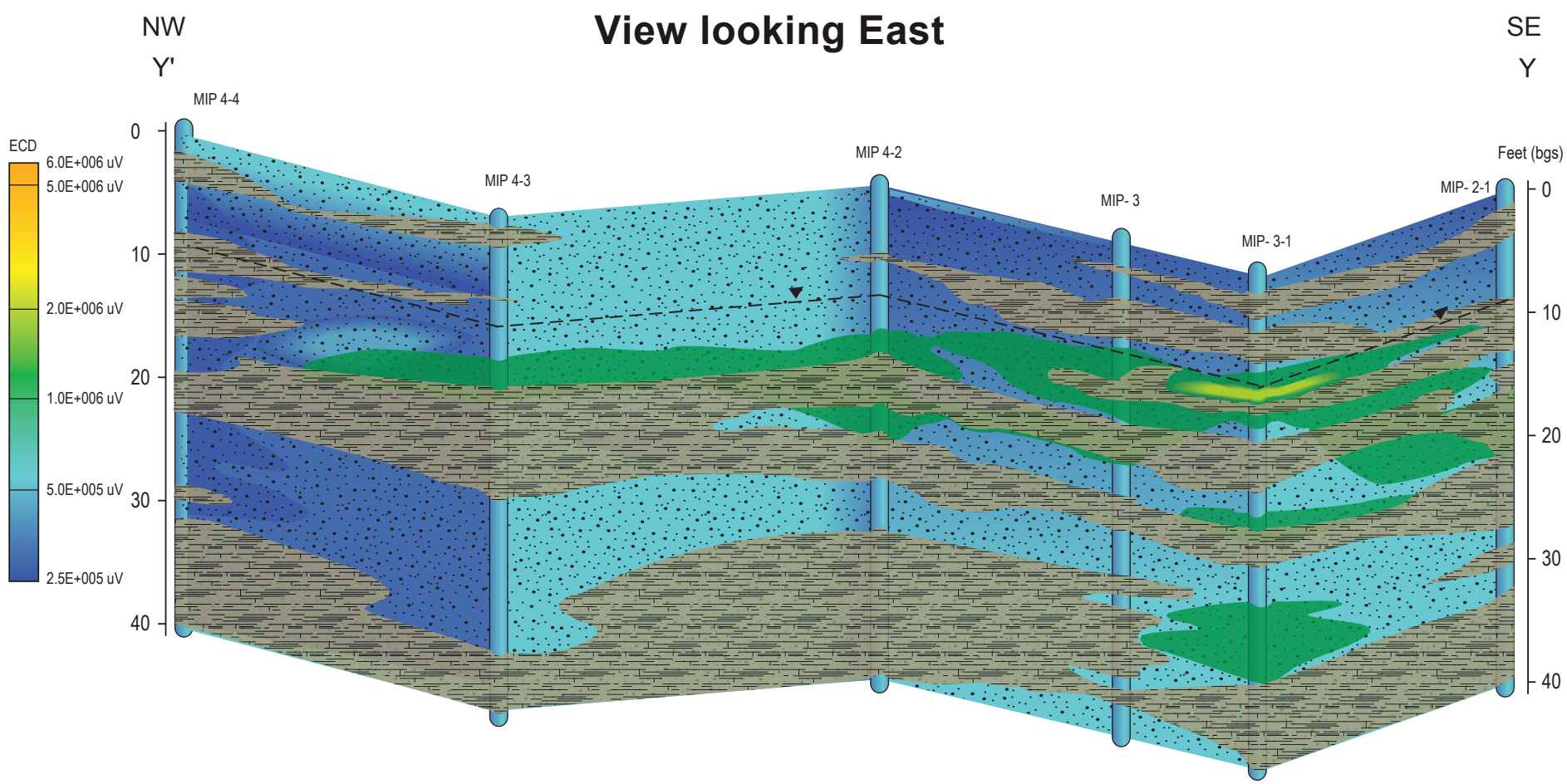
FIGURE 3-1
Sampling Locations Map

G:\ArcGIS\EPA\Printex_MtnView\PROJECTS\SupplemRI\All_Samp_Locs_ITSI.mxd 4/12/2011 [18:07 PM] EANDERSON, ITSI

G:\ArcGIS\EPA\Printex_MtnView\PROJECTS\Supplem\RI\MIP view and lines of cross sections.mxd 4/13/2011 [10:21 AM] RLEONG, ITSI

Former CTS Printex Superfund Site
Mountain View, California

FIGURE 4-1
MIP Locations and
Fence Diagram Sections X-X' and Y-Y'



Fine-Grained Sediments; Silts and Clay Predominant (interpreted from EC Conductivity response)

Coarse-Grained Sediments; Sands and Gravel Predominant (interpreted from EC Conductivity response)

Approximate Ground Water in 2010

ECD - Electron Capture Detector

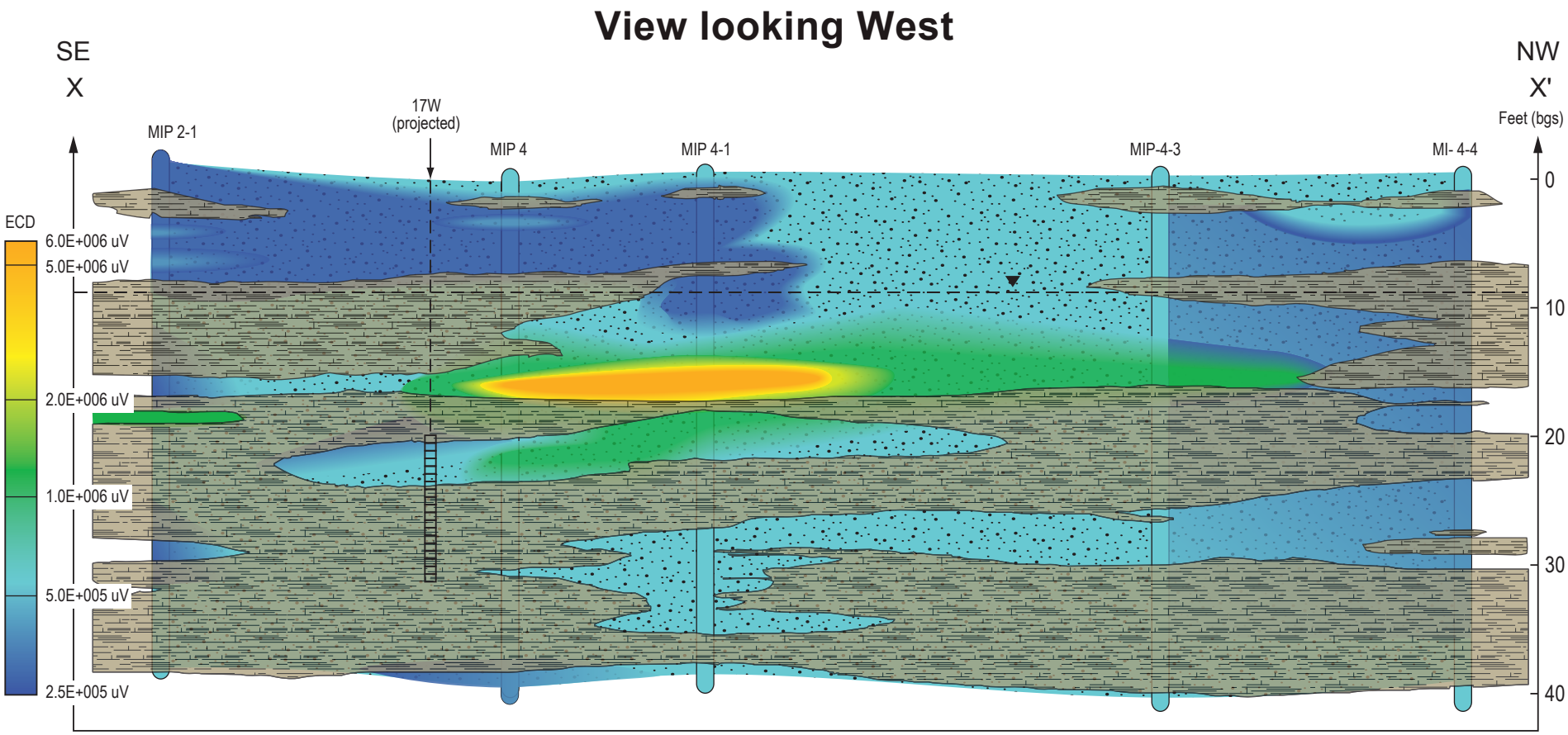
bgs - below grade surface

Not to Scale

CTS PRINTEX SUPERFUND SITE
Mountain View, California

FIGURE 4-2
Fence Diagram Y - Y'
MIP ECD + Conductivity

\\Engineering\projects\07163.0000 EPA Region 9\0034 TO 33 FS - CTS Printex Superfund Site\Graphics\X-Fig 4-3 MIP Cross Section.ai



ECD - Electron Capture Detector

bgs - below grade surface

Fine-Grained Sediments; Silts and Clay Predominant (interpreted from EC Conductivity response)

Coarse-Grained Sediments; Sands and Gravel Predominant (interpreted from EC Conductivity response)

Approximate Ground Water in 2010

0 50 feet

CTS PRINTEX SUPERFUND SITE
Mountain View, California

FIGURE 4-3
Fence Diagram Section X - X'
MIP ECD + EC Conductivity

\\Engineering\projects\07163.0000 EPA Region 9\0034 TO 33 FS - CTS Printex Superfund Site\Graphics\X-Fig 4-3 MIP Cross Section.ai

Notes:
1. Data collected in 2010 by ITSI with exception of 16WR. Concentrations of 1,2-DCE in 16WR are not differentiated for cis- and trans-1,2-DCE.
2. Bold results are above the MCL screening criteria
3. Background aerial photo from TerraServer® and Microsoft® Bing™ 2009.

<	Undetected values (less than reporting limit)
E	Result beyond the calibration range of GC/MS instrument
J	Estimated result
1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethene
cis-1,2-DCE	cis-1,2-Dichloroethene
TCE	Trichloroethene

CTS Printex Superfund Site
Mountain View, California

FIGURE 4-4
VOC Concentrations in A-Zone

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Notes:
1. Data collected in 2010 by ITSI with exception of 15WR. Concentrations of 1,2-DCE in 15WR are not differentiated for cis- and trans-1,2-DCE.
2. Bold results are above the MCL screening criteria
3. Background aerial photo from TerraServer® and Microsoft® Bing™ 2009.

<	Undetected values (less than reporting limit)
E	Result beyond the calibration range of GC/MS instrument
J	Estimated result
1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethene
cis-1,2-DCE	cis-1,2-Dichloroethene
TCE	Trichloroethene

CTS Printex Superfund Site
Mountain View, California

FIGURE 4-5
VOC Concentrations in B-Zone

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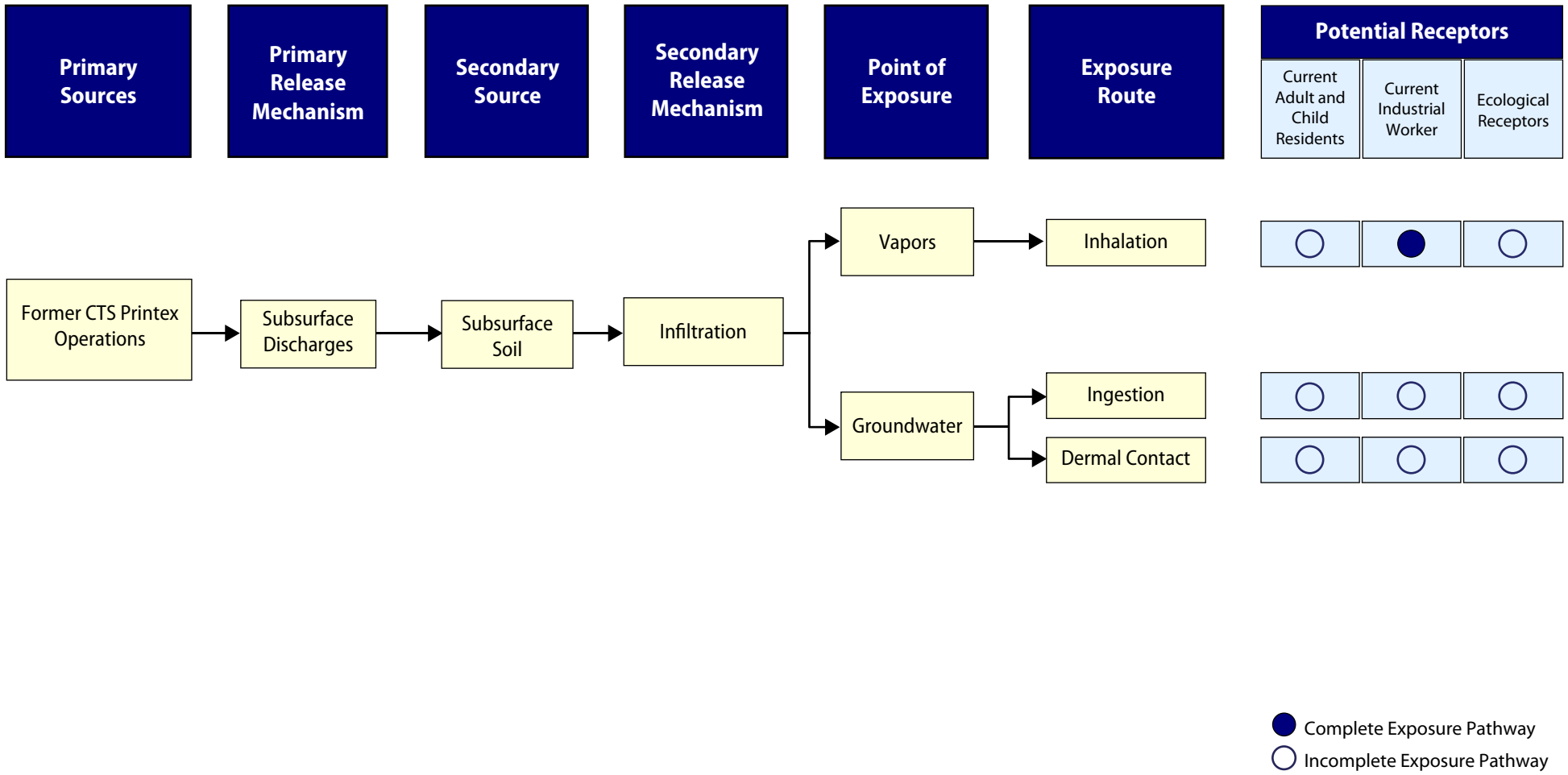

CTS PRINTEX SUPERFUND SITE
Mountain View, California

FIGURE 5-1
Conceptual Site Model

\\Engineering\projects\07163.0000 EPA Region 9\0034 TO 33 FS - CTS Printex Superfund Site\Graphics\Conceptual Site Model.ai

APPENDIX A

MEMBRANE INTERFACE PROBE
(MIP Report, Geotechnical Sample Results, Soil Gas Analytical Results and Photographs)

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Report
Membrane Interface Probe Services
CTS Printex RIFS
935 Sierra Vista Ave
Mountain View, CA
January 19-20, February 25 2010

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"Expect Performance"

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Project Background	3
MIP System Overview	4
MIP QA/QC	6
Physical Properties Chart	Appendix A
MIP Borings	Appendix B
3-Dimensional Graphing	Appendix C

1. **Project Background**
   a. Site History – Former computer circuitry manufacturer during the 1980's.

Target Area	150' x 150'
Target Interval	Surface to 40' bgs.
Target Interval Lithology	Sands, Silty Sand, Silts
Depth to Groundwater	9' bgs.
Contaminants of Concern	TCE
Groundwater mg/l	Unknown
Soil mg/kg	Unkown
DNAPL / Free Product	No

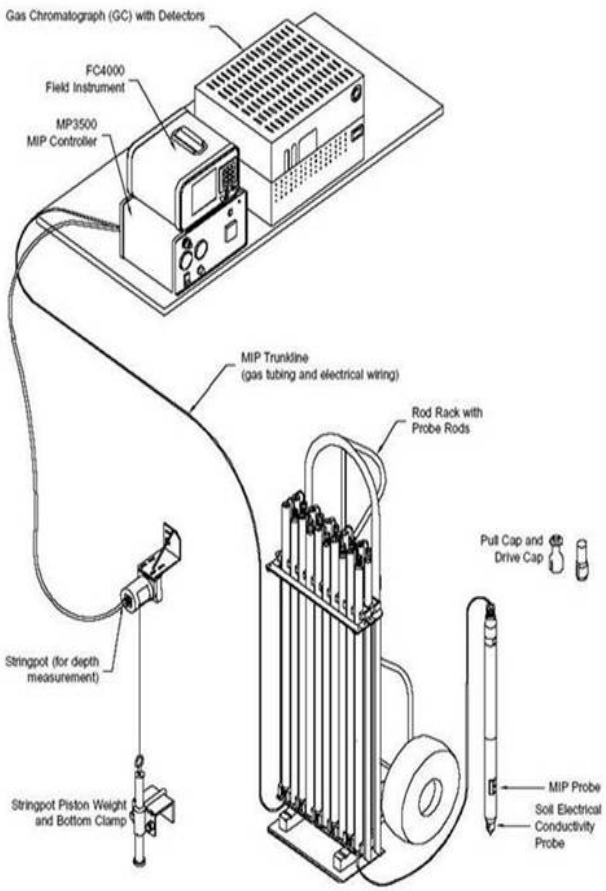
   b. Objectives – Looking for the source of a chlorinated plume. ITSI sampled a monitoring well adjacent to MIP-1 were they have identified high concentrations.
   c. MIP Scope - Collect MIP data from 10 locations. Sample as shallow as surface to as deep as 40' bgs.
   d. Notes

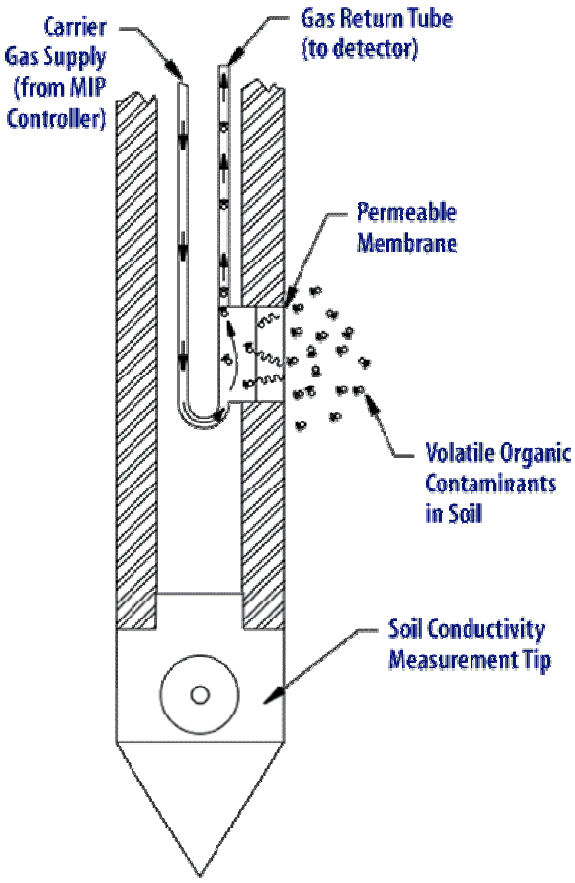
MIP Boring	Date	Notes
MIP-1	01/19/10	No hand augering.
MIP-3	01/19/10	No hand augering.
MIP-4	01/19/10	No hand augering.
MIP-2	01/19/10	No hand augering.
MIP-2-1	01/20/10	No hand augering. This location is approximately 3 feet higher in elevation.
MIP-3-1	01/20/10	No hand augering. This location is approximately 3 feet higher in elevation.
MIP-4-1	01/20/10	No hand augering.
MIP-4-2	02/25/10	No hand augering.
MIP-4-3	02/25/10	No hand augering.
MIP-4-4	02/25/10	No hand augering.

2. MIP System Overview:

The MIP is a direct push tool that produces continuous chemical and physical logs of the vadose and saturated zones. It locates VOCs in-situ and shows you where they occur relative to the geologic and hydrologic units. Vertical profiles, transects, 3D pictures and maps can all be made from the electronic data generated by the MIP logs. Its unique capability of providing reliable, real-time information allows you to make better and timely decisions while your team is still in the field.

The MIP is a down hole tool that heats the soils and groundwater adjacent to the probe to 120 degrees C. This increases volatility and the vapor phase diffuses across a membrane into a closed, inert gas loop that carries these vapors to a series of detectors housed at the surface. Continuous chemical logs or profiles are generated from each hole. Soil conductivity is also measured and these logs can be compared to the chemical logs to better understand where the VOCs occur. The MIP technology is only appropriate for volatile organic compounds (VOCs). The gas stream can be analyzed with multiple detectors, for example an electron capture detector is used to detect chlorinated solvents, a photo-ionization detector is used to detect petroleum hydrocarbons, and a flame ionization detector is used to detect methane.





2.a Equipment Used:

- Geoprobe 6600
- MIP Controller (Nitrogen Flow and Heater)
- Geoprobe FC 5000 Computer
- HP 5890 Gas Chromatograph
- ECD (Electron Capture Detector)
- PID (Photo Ionization Detector) 10.2 eV Lamp
- FID (Photo Ionization Detector)
- 150' Geoprobe Trunkline
- 1.75" O.D. 6520 MIP Probe
- 1.5" O.D. Drive Rods

2.b Detector Overview

- ECD – Electron Capture Detector uses a radioactive Beta emitter (electrons) to ionize some of the carrier gas and produce a current between a biased pair of electrodes. When organic molecules contain electronegative functional groups, such as halogens, phosphorous, and nitro groups pass by the detector, they capture some of the electrons and reduce the current measured between the electrodes.

- PID – Photo Ionization Detector sample stream flows through the detector's reaction chamber where it is continuously irradiated with high energy ultraviolet light. When compounds are present that have a lower ionization potential than that of the irradiation energy (10.2 electron volts with standard lamp) they are ionized. The ions formed are collected in an electrical field, producing an ion current that is proportional to compound concentration. The ion current is amplified and output by the gas chromatograph's electrometer.

- FID – Flame Ionization Detector consists of a hydrogen / air flame and a collector plate. The effluent from the GC (trunkline) passes through the flame, which breaks down organic molecules and produces ions. The ions are collected on a biased electrode and produce an electric signal.

2.c MIP Data Collected

- <u>Depth</u> - Data is collected from twenty data points per foot. 0.05', 0.10', 0.15', etc…

- <u>Electrical Conductivity</u> - Electrical Conductivity data is measured/collected in milli-siemens per Meter (ms/M). The conductivity of soils is different for each type of media. Finer grained sediments, such as silts or clays, will have a higher EC signal. While coarser grained sediments, sands and gravel, will have a lower EC signal. The coarser grained sediments will allow the migration of contaminants and the finer grained sediments will trap the contaminant.

- <u>Speed / Advancement Rate</u> - Speed data is measured/collected in feet per minute (ft/min). Speed is an indication of the physical advancement rate of the MIP probe. Speed of the MIP probe can vary due to operator advancement and dense soil types. Speed log can provide soil type information which can be

correlated with electrical conductivity. Lower advancement speed, correlated with lower conductivity or larger grained soils would more than likely be associated with dense or compacted sands.

- Temperature - Temperature data is measured/collected in Degrees Celsius. Temperature is an indication of the physical temperature of the MIP block. Minimum and Maximum temperature is collected at each vertical interval. Vironex's temperature protocol indicates that the MIP probe temperature shall maintain a minimum temperature of 75 Degrees Celsius.

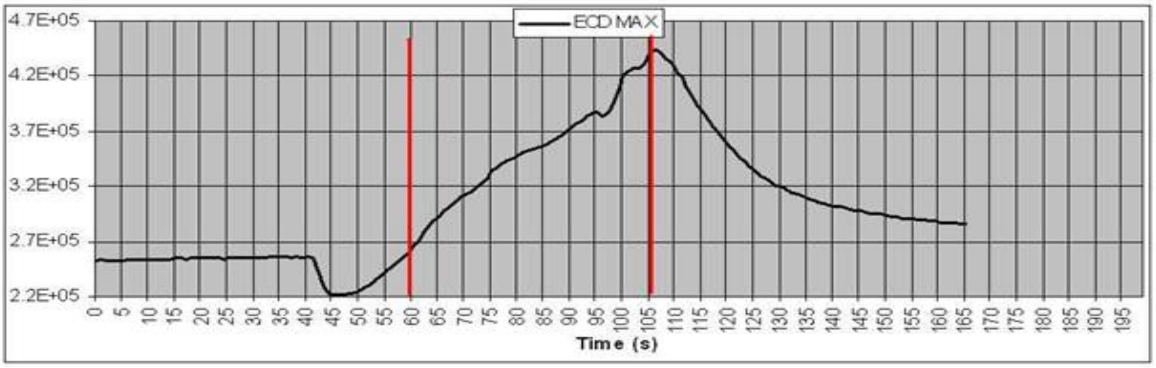
- Pressure - Pressure data is measured/collected in PSI. Pressure is an indication of the internal pressure of the nitrogen lines located within the trunkline and the pressure behind the membrane. Minimum and Maximum pressure is collected at each vertical interval. Geoprobe's pressure protocol indicates that the MIP probe pressure shall not exceed 1.5 PSI difference from baseline.

- Detector (ECD, PID, FID) - Detector responses are measured/collected in micro Volts (uV). Detector responses are an indication of relative contaminant responses. Minimum and Maximum detector responses are collected at each vertical interval.

3. MIP QA/QC

Vironex adheres to Geoprobe's Standard Operating Procedure, technical Bulletin No. MK3010, prepared: May, 2003. The response testing is a necessary part of the MIP logging process because it ensures that the system is working correctly and also enables the operator to measure the response time. Response time is the time it takes for the contaminant to go from the probe, through the trunk line, and to the detectors. This time is entered into the FC5000 computer for depth calculations. A response test is completed at the beginning of the day, between each boring, and at the end of each day. The response time will vary due to weather temperatures and length of the trunkline.

Per Geoprobe's SOP, a pass response is indicated as double the noise above the baseline.



APPENDIX A

Physical Properties Chart

Compound	Formula	Density	Flashpoint* (°C)	Molecular Weight	Melting Point (°C)	Boiling Point (°C)	Water Solubility**	ECD	PID	FID
1,1,1,2-Tetrachloroethane	$C_2H_2Cl_4$	1.5532	6	167.8498	-70.2	130.5	<0.1 g/100 mL at 20.5 C	●		
1,1,1-Trichloroethane	$C_2H_3Cl_3$	1.3376	N/A	133.4047	-32.6	74.1	Slightly soluble. 0.1495 g/100 mL	●		
1,1,2,2-Tetrachloroethane	$C_2H_2Cl_4$	1.595	N/A	167.8498	-43	146.3	Soluble. 0.2962 g/100 mL	●		
1,1,2-Trichloroethane	$C_2H_3Cl_3$	1.4411	N/A	133.4047	-36.5	113.8	Insoluble. 0.442 g/100 mL	●		
1,1-Dichloroethane	$C_2H_4Cl_2$	1.176	-5	98.9596	-97.4	57.3	Slightly soluble. 0.506 g/100 mL	●		
1,1-Dichloroethene	$C_2H_2Cl_2$	1.213	-28	96.9438	-122.1	31.7	Insoluble. 0.225 g/100 mL	●	●	
2,3-Dichloropropene	$C_3H_4Cl_2$	1.204	10	110.9706	10	94	<0.1 g/100 mL at 22 C	●	●	
1,2,3-Trichlorobenzene	$C_6H_3Cl_3$	1.69	126	181.4487	52.6	219	Insoluble	●	●	
1,2,3-Trichloropropane	$C_3H_5Cl_3$	1.389	82	147.4315	-14.7	156	insoluble. 0.18 g/100 mL	●		
1,2,4-Trichlorobenzene	$C_6H_3Cl_3$	1.4634	110	181.4487	16.95	214.4	Insoluble. 0.0049 g/100 mL	●	●	
1,2-Dichlorobenzene	$C_6H_4Cl_2$	1.306	67	147.0036	-15	180.5	slightly soluble. 0.008396 g/100 mL	●	●	
1,2-Dichloroethane	$C_2H_4Cl_2$	1.253	13	98.9596	-35.3	83.5	Slightly soluble. 0.8608 g/100 mL	●		
1,2-Dichloropropane	$C_3H_6Cl_2$	1.1558	15	112.9864	-100.4	96.8	Slightly soluble. 0.27 g/100 mL	●		
1,3-Dichlorobenzene	$C_6H_4Cl_2$	1.288	67	147.0036	-24.76	173	insoluble. 0.0125 g/100 mL	●	●	
1,4-Dichlorobenzene	$C_6H_4Cl_2$	1.2417	67	147.0036	53.1	173.4	Insoluble. 0.00813 g/100 mL	●	●	
1,2-Dichloropropane	$C_3H_6Cl_2$	1.1558	15	112.9864	-100.4	96.8	Slightly soluble. 0.27 g/100 mL	●		
2-Chloropropane	C_3H_7Cl	0.862	-32	78.5413	-117.18	35.74	0.31 g/100 mL at 20 C	●		
2-Chlorotoluene	C_7H_7Cl	1.082	47	126.5853	-35.1	158.97	Slightly soluble	●	●	
3-Chloropropene	C_3H_5Cl	0.938	-29	76.5255	-134.5	44 - 46	Slightly soluble. 0.337 g/100 mL	●	●	
4-Chlorotoluene	C_7H_7Cl	1.07	49	126.5853	7.5	161.9	<0.1 g/100 mL at 20 C	●	●	
Carbon tetrachloride	CCl_4	1.594	N/A	153.823	-22.9	76.7	Slightly sol. 0.08048 g/100 mL	●		
Chlorobenzene	C_6H_5Cl	1.1066	29	112.5585	-45.6	130	Slightly soluble. 0.0497 g/100 mL	●	●	
Chloroethane	C_2H_5Cl	0.92	-50	64.5145	-136.4	12.3	Soluble. 0.574 g/100 mL at 20 C	●		
Chloroform	$CHCl_3$	1.49845	N/A	119.3779	-63.7	61.7	Slightly sol. 0.795 g/100 mL	●		
Chloromethane	CH_3Cl	0.991	N/A	50.4877	-97.1	-24.2	insoluble. 0.5325 g/100 mL	●		
cis-1,2-Dichloroethene	$C_2H_2Cl_2$	1.284	6	96.9438	-80.5	60	0.08 g/100 mL	●	●	
cis-1,3-Dichloropropene	$C_3H_4Cl_2$	1.22	N/A	110.9706	-50	104.3	<0.1 g/100 mL at 20.5 C	●	●	
cis-1,4-Dichloro-2-butene	$C_4H_6Cl_2$	1.188	56	124.9974	-48	152	0.058 g/100 mL	●	●	
Methylene Chloride	CH_2Cl_2	1.3255	N/A	84.9328	-96.7	39.8	Slightly sol. 1.32 g/100 mL	●		
Tetrachloroethene	C_2Cl_4	1.623	N/A	165.834	-22.3	121.1	Almost insoluble 0.015 g/100 mL	●	●	
Trans-1,2-Dichloroethene	$C_2H_2Cl_2$	1.257	6	96.9438	-50	47.5	Slightly. 0.63 g/100 mL	●	●	

Compound	Formula	Density	Flashpoint* (°C)	Molecular Weight	Melting Point (°C)	Boiling Point (°C)	Water Solubility**	ECD	PID	FID
trans-1,3-Dichloropropene	$C_3H_4Cl_2$	1.217	27	110.9706	N/A	112	<0.1 g/100 mL at 20.5 C	●	●	
trans-1,4-Dichloro-2-butene	$C_4H_6Cl_2$	1.183	N/A	124.9974	2	155.5	0.085 g/100 mL at 25 C	●	●	
Trichloroethene	C_2HCl_3	1.462	N/A	131.3889	-86	86.7	Slightly soluble. 0.11 g/100 mL	●	●	
Vinyl Chloride	C_2H_3Cl	0.9106	42	62.4987	-153.7	-13.9	Slightly soluble 0.11 g/100 mL	●	●	
Benzene	C_6H_6	0.8786	-11	78.1134	5.5	80.1	Slightly sol. 0.18 g/100 mL		●	●
Hexane	C_6H_{14}	0.6548	-22	86.1766	-95	69	Slightly sol. .000947 g/100 mL		●	●
n-Butylbenzene	$C_{10}H_{14}$	0.86	59	134.2206	-88	183	insoluble		●	●
1,2,4-Trimethylbenzene	C_9H_{12}	0.876	48	120.1938	-43.8	169	Slightly soluble		●	●
1,3,5-Trimethylbenzene	C_9H_{12}	0.865	44	120.1938	-44.7	165	insoluble		●	●
Ethyl Benzene	C_8H_{10}	0.867	15	106.167	-94.9	136.2	0.0206 g/100 mL		●	●
m,p-Xylene	C_8H_{10}	0.862	25	106.167	-50	140	Insoluble. 0.0175 g/100 mL		●	●
Naphthalene	$C_{10}H_8$	0.997	78	128.1732	80.6	218	Slightly soluble. 0.0031 g/100 mL		●	●
o-Xylene	C_8H_{10}	0.897	32	106.167	-25.2	144	0.00 g/100 mL. Insoluble		●	●
n-Propylbenzene	C_9H_{12}	0.862	47	120.1938	-101.6	159	insoluble		●	●
Toluene	C_7H_8	0.867	4	92.1402	-93	110.6	Slightly sol. 0.0526 g/100 mL		●	●
1,2-Dibromo-3-chloropropane	$C_3H_5Br_2Cl$	2.05	N/A	236.3335	6	195	0.123 g/100 mL	●		
1,2-Dibromoethane	$C_2H_4Br_2$	2.17	1	187.8616	9.97	131.7	Slightly sol. 0.4152 g/100 mL	●		
1,3-Dichloropropane	$C_3H_6Cl_2$	1.188	20	112.9864	-99	120.4	insoluble	●		
Acrylonitrile	C_3H_3N	0.8075	-5	53.0634	-83.55	77.3	Soluble. 7.45 g/100 mL		●	
Bromobenzene	C_6H_5Br	1.495	51	157.0095	-30.8	155	insoluble. <0.1 g/100 mL at 20.5 C	●	●	
Bromochloromethane	CH_2BrCl	1.991	N/A	129.3838	-88	67.8	Slightly soluble. 0.1-0.5 g/100 mL at 20 C	●		
Bromodichloromethane	$CHBrCl_2$	1.971	N/A	163.8289	-57.1	90.1	Slightly soluble. 0.6735 g/100 mL	●		
Bromoform	$CHBr_3$	2.894	N/A	252.7309	8.3	149.5	Slightly soluble. 0.301 g/100 mL	●		
Bromomethane	CH_3Br	1.732	N/A	94.9387	-93.7	3.56	Very slightly soluble. 1.522 g/100 mL	●		
Carbon disulfide	CS_2	1.2632	-30	76.131	-110	46.2	Slightly sol. 0.1185 g/100 mL		●	
Cumene	C_9H_{12}	0.862	31	120.1938	-96	151	insoluble. 0.00499 g/100 mL		●	
Dibromochloromethane	$CHBr_2Cl$	2.451	N/A	208.2799	-22	120	0.4 g/100 mL	●		
Dibromomethane	CH_2Br_2	2.497	N/A	173.8348	-53	97	Soluble. 1.193 g/100 mL	●		
Freon 11	CCl_3F	1.494	N/A	137.3684	-111	23.8	insoluble. 0.124 g/100 mL	●		
Freon 113	$C_2Cl_3F_3$	1.575	N/A	187.3762	-36.4	47.6	0.02 g/100 mL. Slightly soluble. Insoluble	●		

Compound	Formula	Density	Flashpoint* (°C)	Molecular Weight	Melting Point (°C)	Boiling Point (°C)	Water Solubility**	ECD	PID	FID
Hexachlorobutadiene	C_4Cl_6	1.68	N/A	260.762	-21	210	Insoluble. 0.00032 g/100 mL	●	●	
p-Cymene	$C_{10}H_{14}$	0.86	47	134.2206	-67	176 - 178	insoluble		●	
sec-Butylbenzene	$C_{10}H_{14}$	0.862	45	134.2206	-75	173	0.00176 g/100mL		●	
Styrene	C_8H_8	0.9045	32	104.1512	-30.6	145.2	0.032 g/100 mL		●	●
tert-Butylbenzene	$C_{10}H_{14}$	0.867	44	134.2206	-58	169	0.00295 g/100 mL		●	

* Compound with no flashpoint are not ignitable.

** If temperature is not otherwise noted, assume 25° C.

● indicates a possible response on specific detector

Associated Parent Compound
Chlorinated
Gasoline
Diesel
Gasoline and Diesel
Not typical of primary compounds

APPENDIX B

MIP BORINGS

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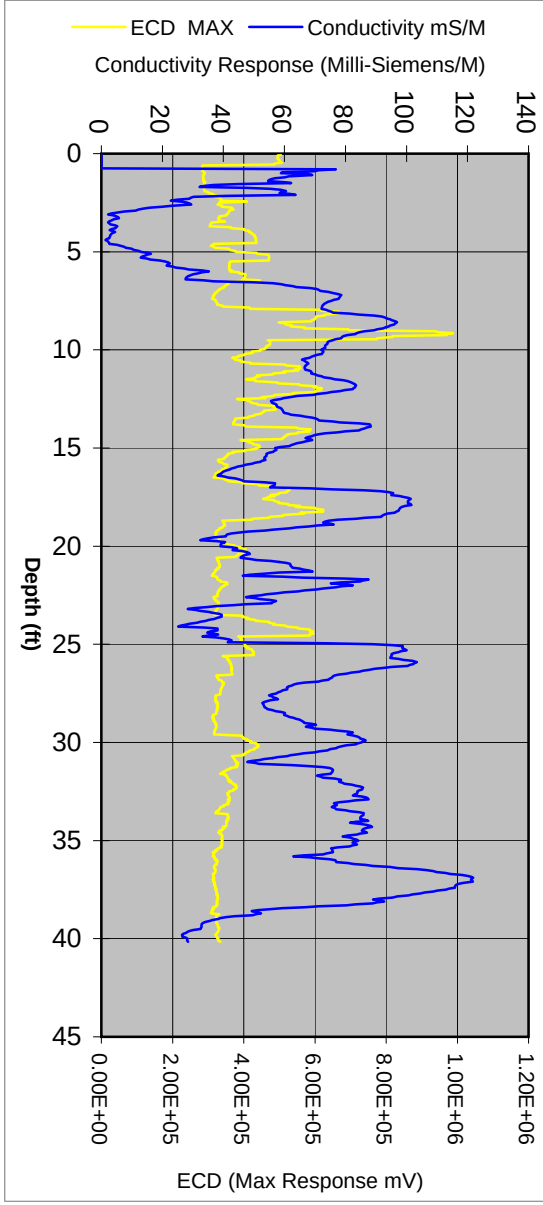
Boring Name: MIP-1

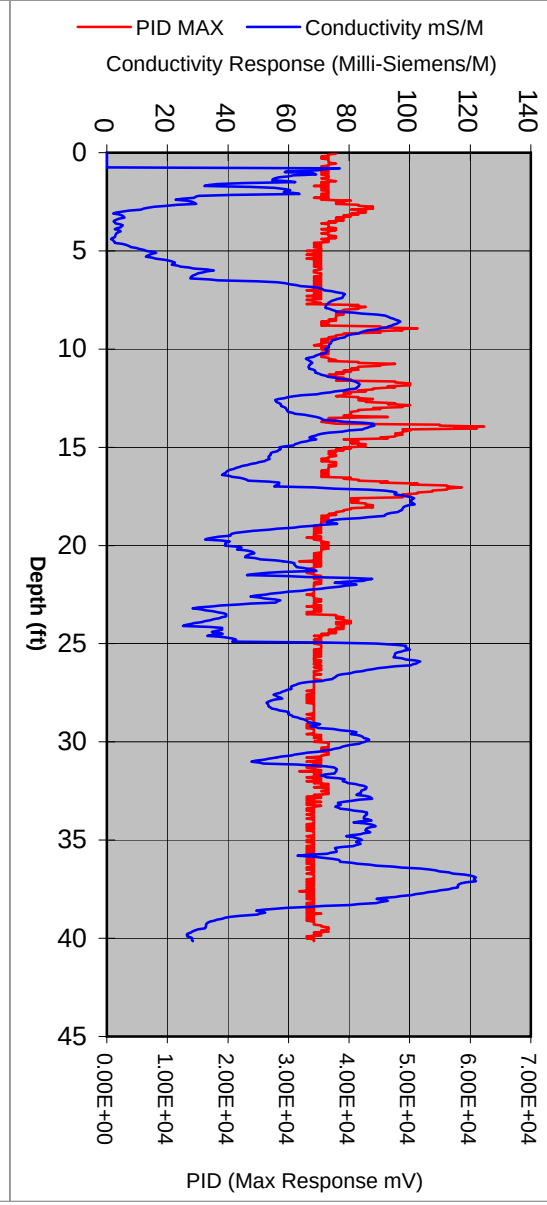
Total Depth (ft): 40.15

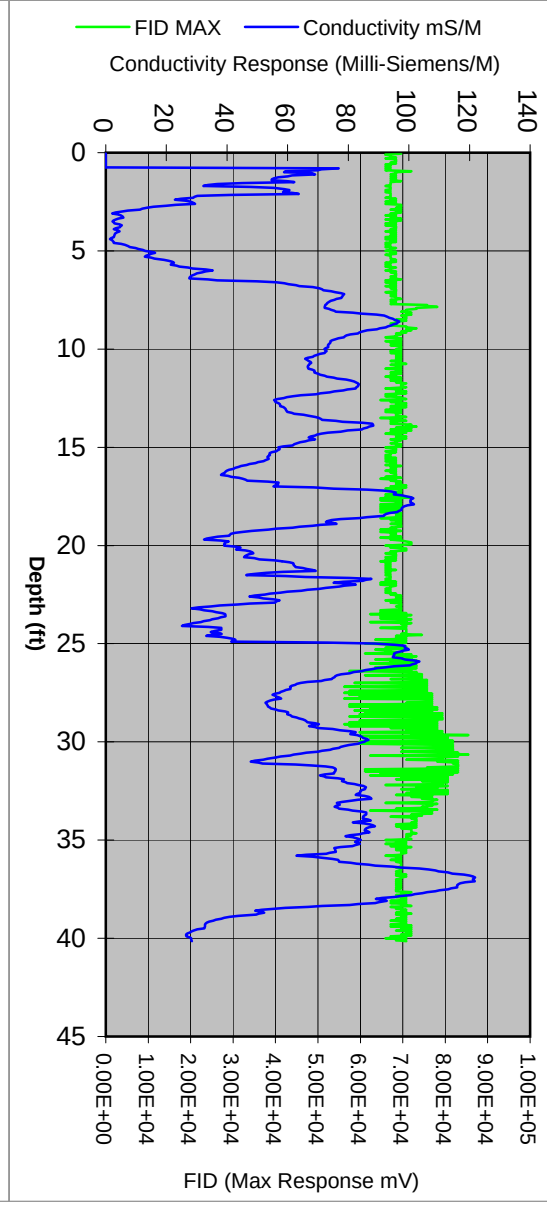
Notes: No hand augering.

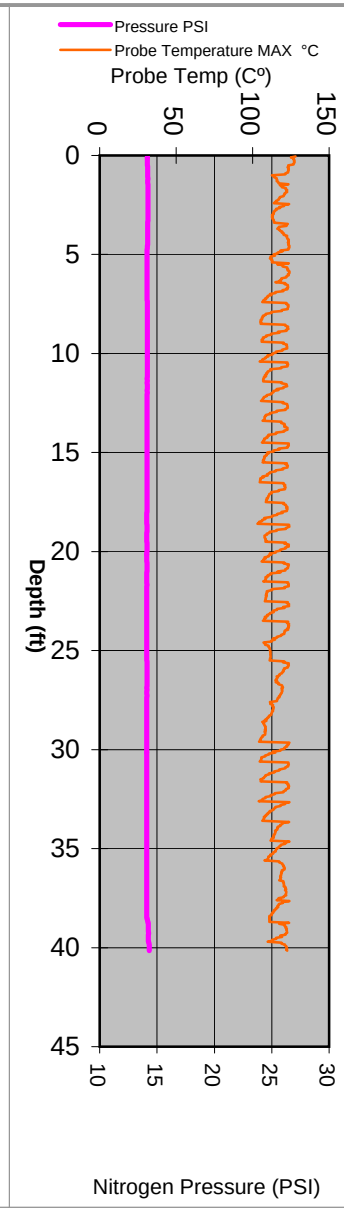
GW Depth (ft): Depth of GW Provided by Client

Job Information		MIP Sampling Information			
Client Company:	ITSI	Trunkline Length:	150'	Start Boring Time:	Tue Jan 19 2010 09:30
Project Name:	CTS Printex RIFS	Probe Type:	6520	End Boring Time:	Tue Jan 19 2010 10:11
Site Address:	935 Sierra Vista Ave - Mountain View, CA	Rig Type:	Geoprobe 6600	MIP Specialist:	Jeff Paul









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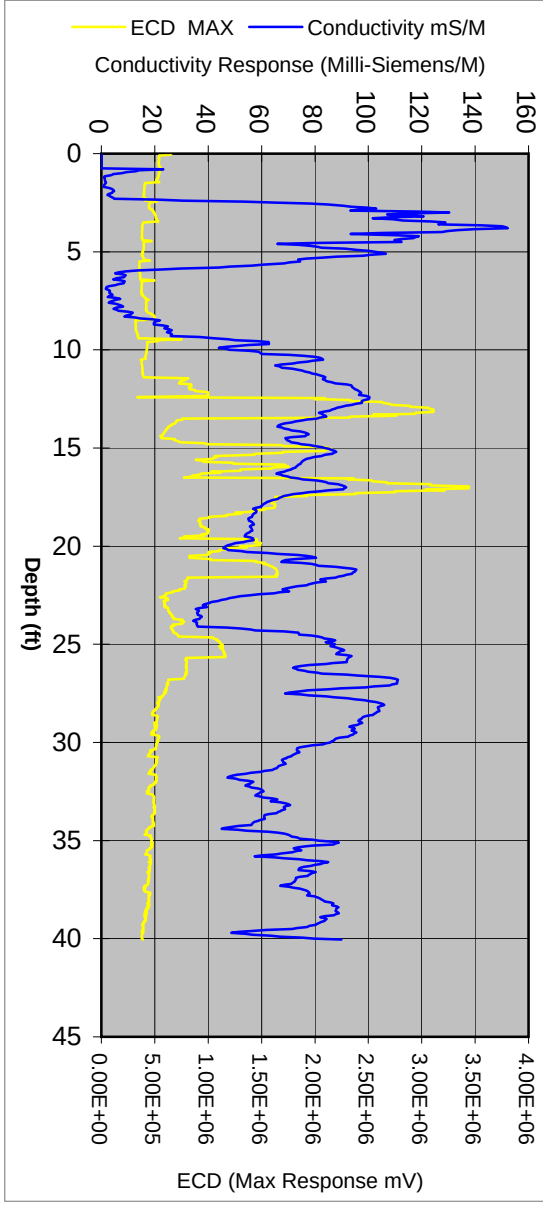
Boring Name: MIP-2

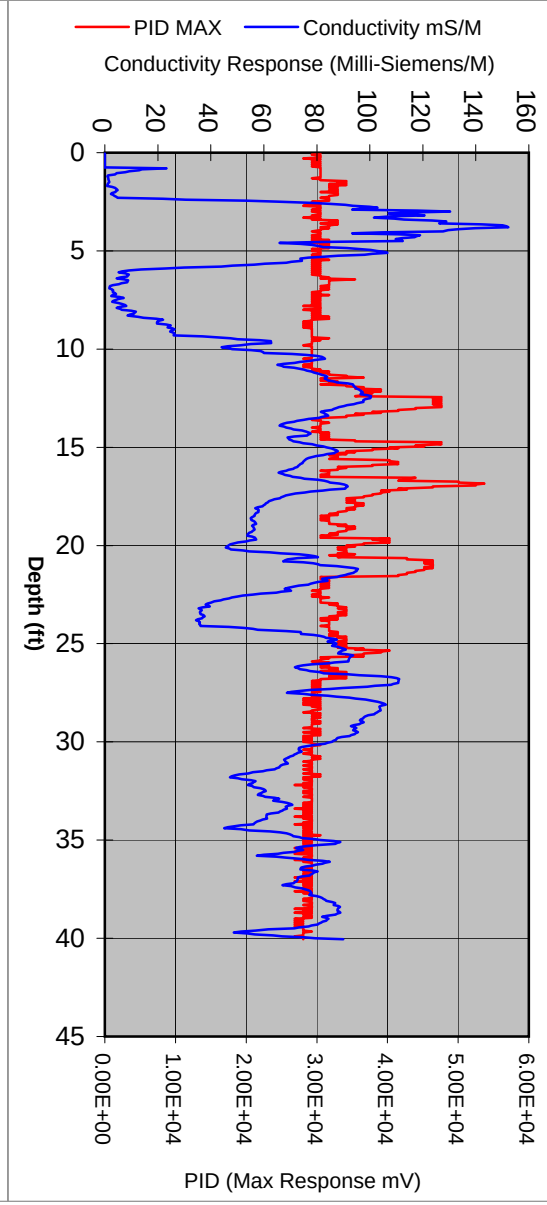
Total Depth (ft): 40.05

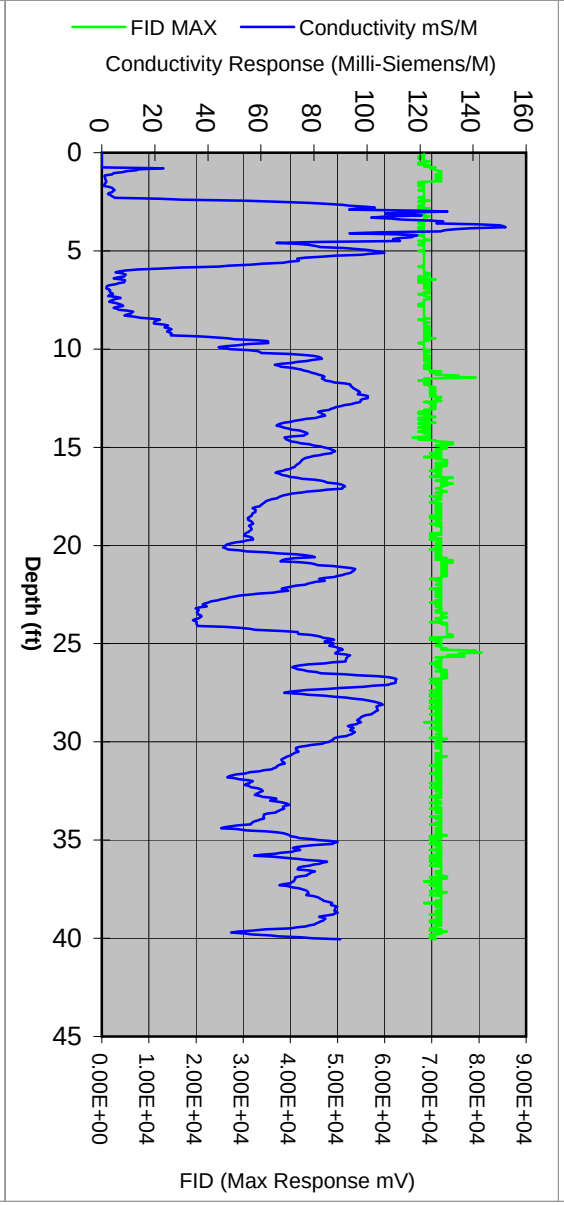
Notes: No hand augering.

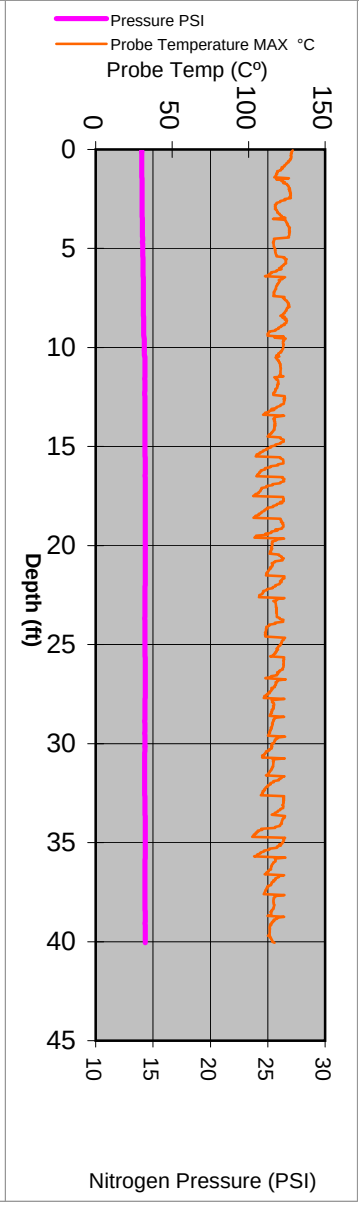
GW Depth (ft): Depth of GW Provided by Client

Job Information		MIP Sampling Information			
Client Company:	ITSI	Trunkline Length:	150'	Start Boring Time:	Tue Jan 19 2010 14:05
Project Name:	CTS Printex RIFS	Probe Type:	6520	End Boring Time:	Tue Jan 19 2010 14:51
Site Address:	935 Sierra Vista Ave - Mountain View, CA	Rig Type:	Geoprobe 6600	MIP Specialist:	Jeff Paul









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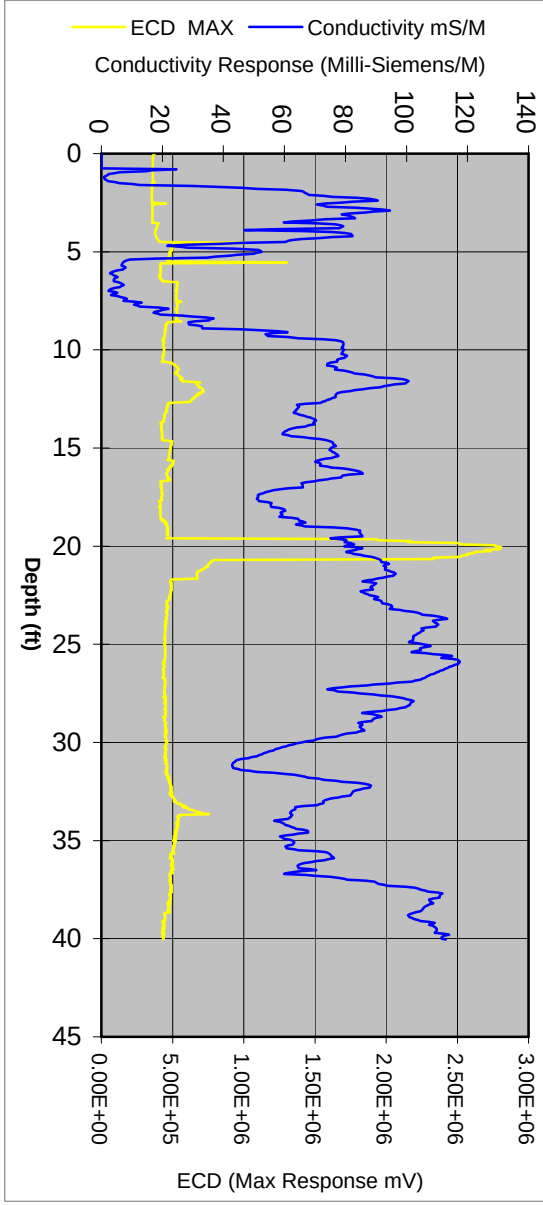
Boring Name: MIP-2-1

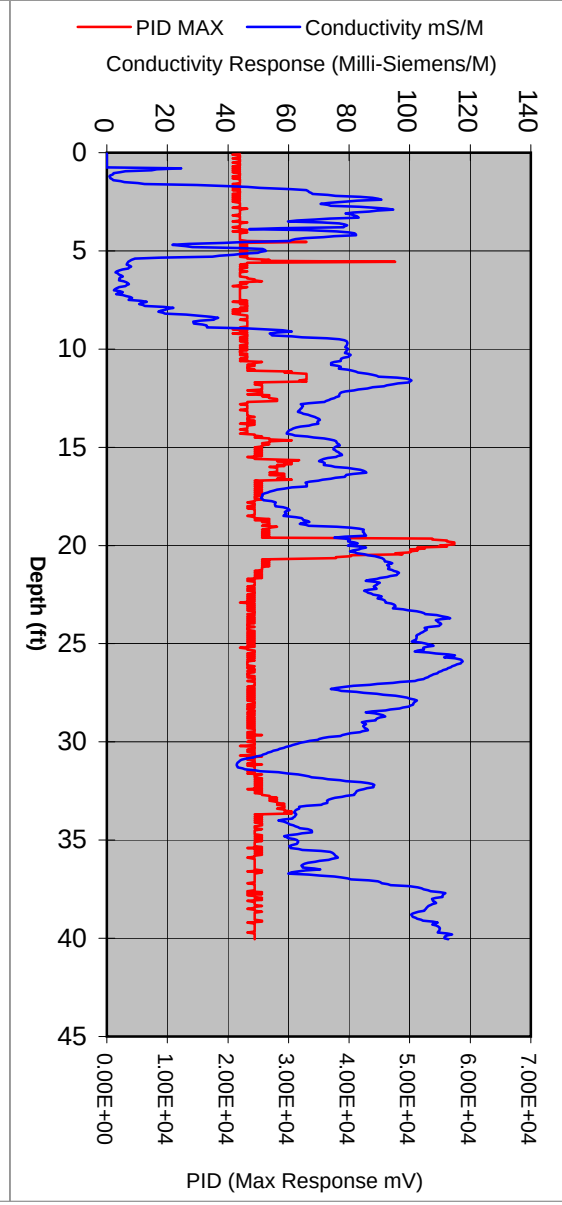
Total Depth (ft): 40.05

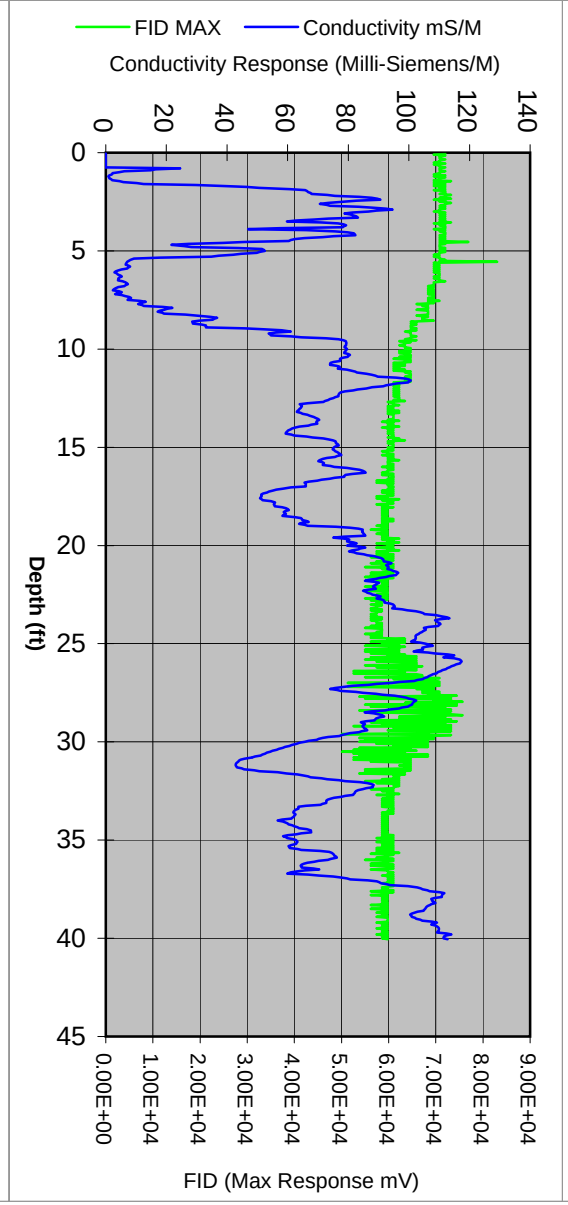
Notes: No hand augering. This location is approximately 3 feet higher in elevation.

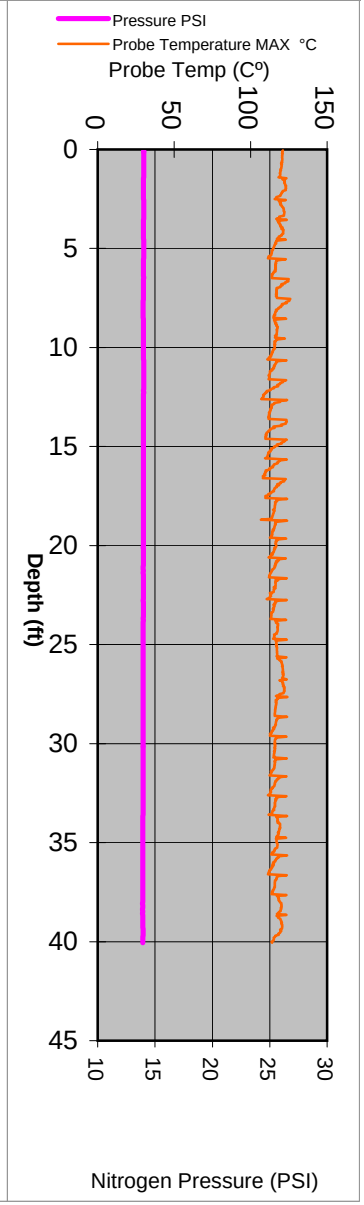
GW Depth (ft): Depth of GW Provided by Client

Job Information		MIP Sampling Information			
Client Company:	ITSI	Trunkline Length:	150'	Start Boring Time:	Wed Jan 20 2010 08:50
Project Name:	CTS Printex RIFS	Probe Type:	6520	End Boring Time:	Wed Jan 20 2010 09:32
Site Address:	935 Sierra Vista Ave - Mountain View, CA	Rig Type:	Geoprobe 6600	MIP Specialist:	Jeff Paul









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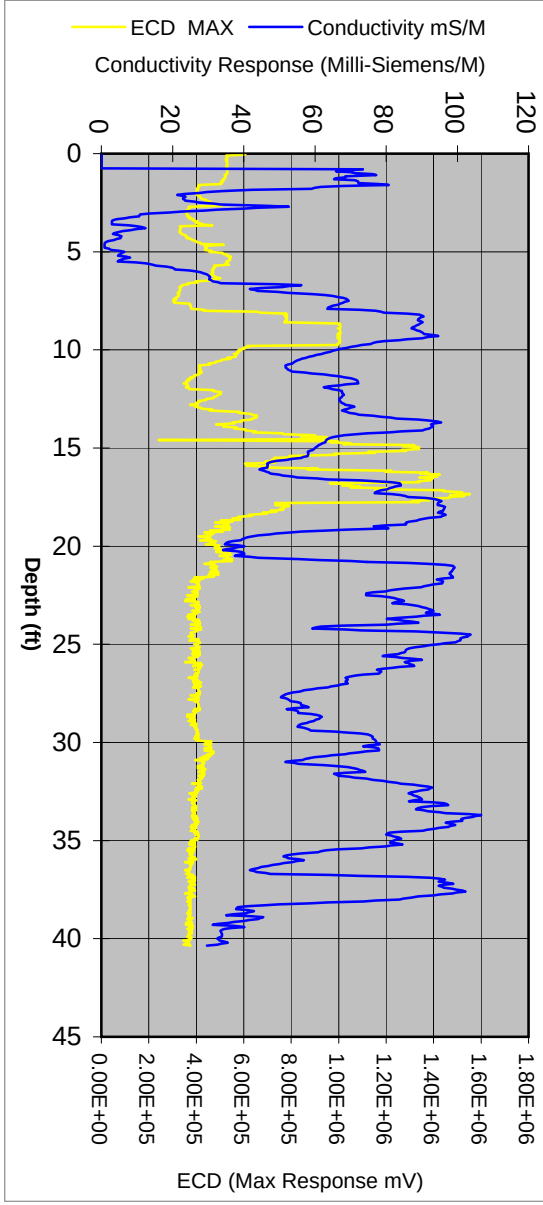
Boring Name: MIP-3

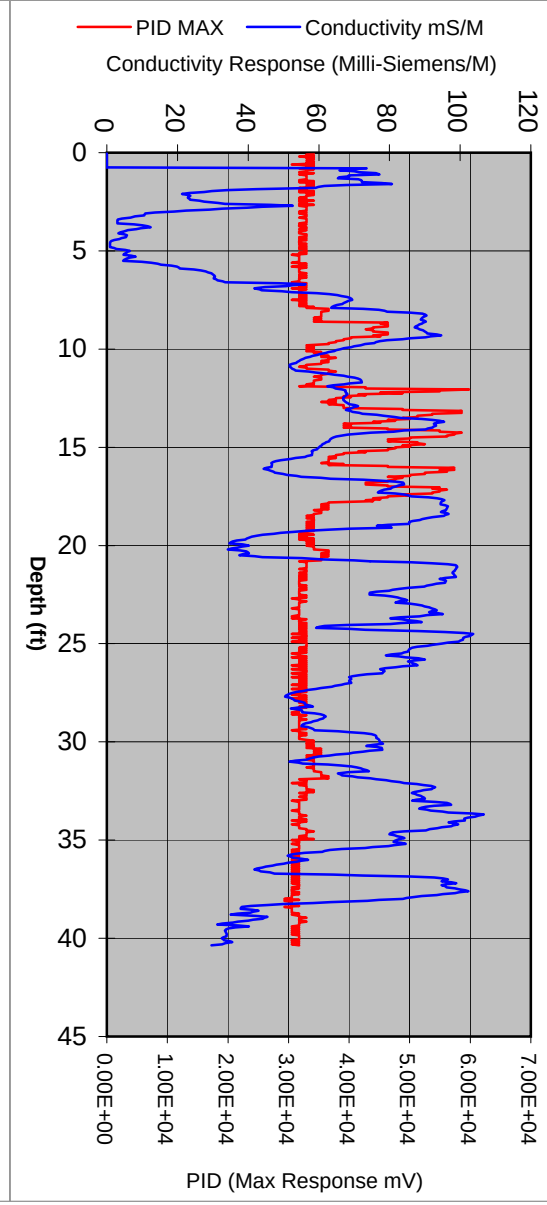
Total Depth (ft): 40.35

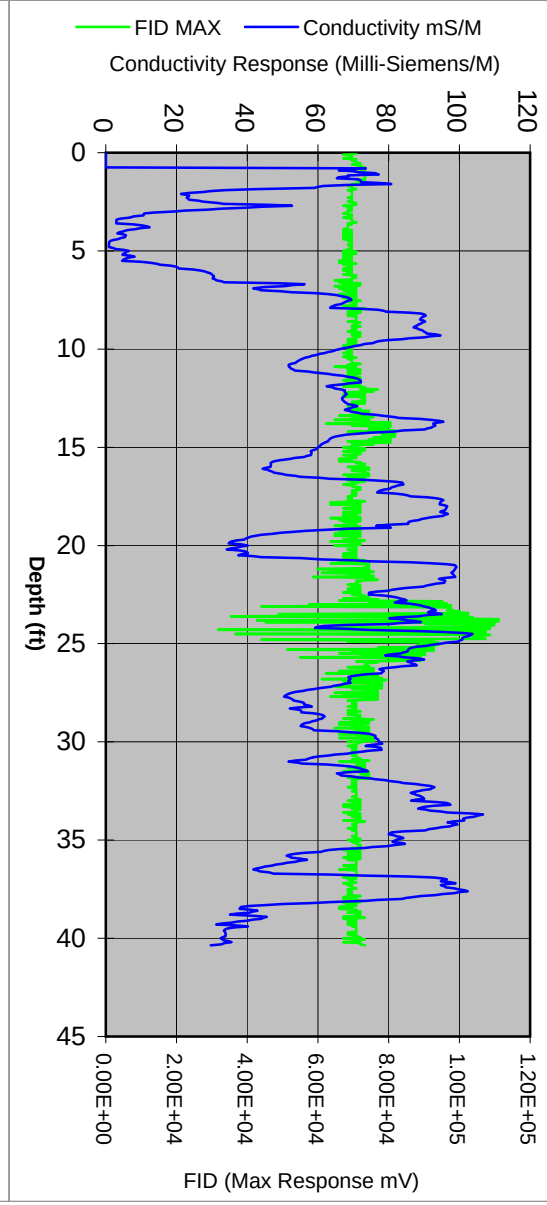
Notes: No hand augering.

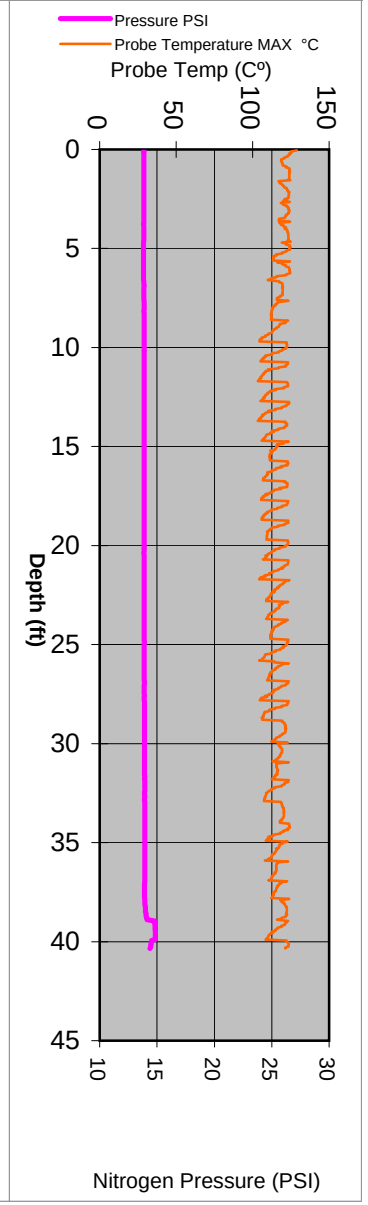
GW Depth (ft): Depth of GW Provided by Client

Job Information		MIP Sampling Information			
Client Company:	ITSI	Trunkline Length:	150'	Start Boring Time:	Tue Jan 19 2010 10:53
Project Name:	CTS Printex RIFS	Probe Type:	6520	End Boring Time:	Tue Jan 19 2010 11:35
Site Address:	935 Sierra Vista Ave - Mountain View, CA	Rig Type:	Geoprobe 6600	MIP Specialist:	Jeff Paul









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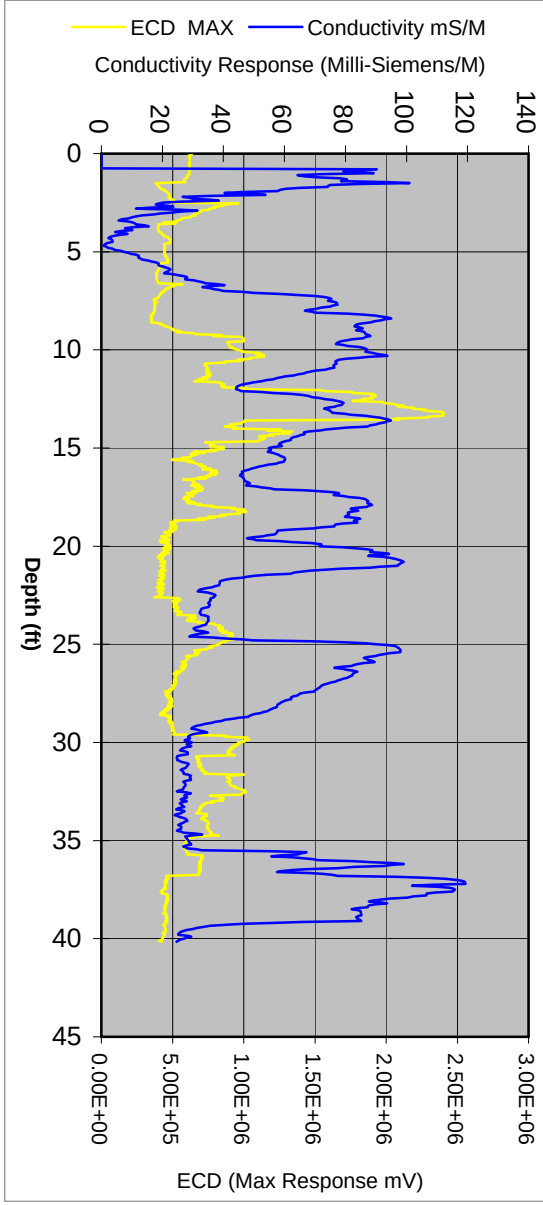
Boring Name: MIP-3-1

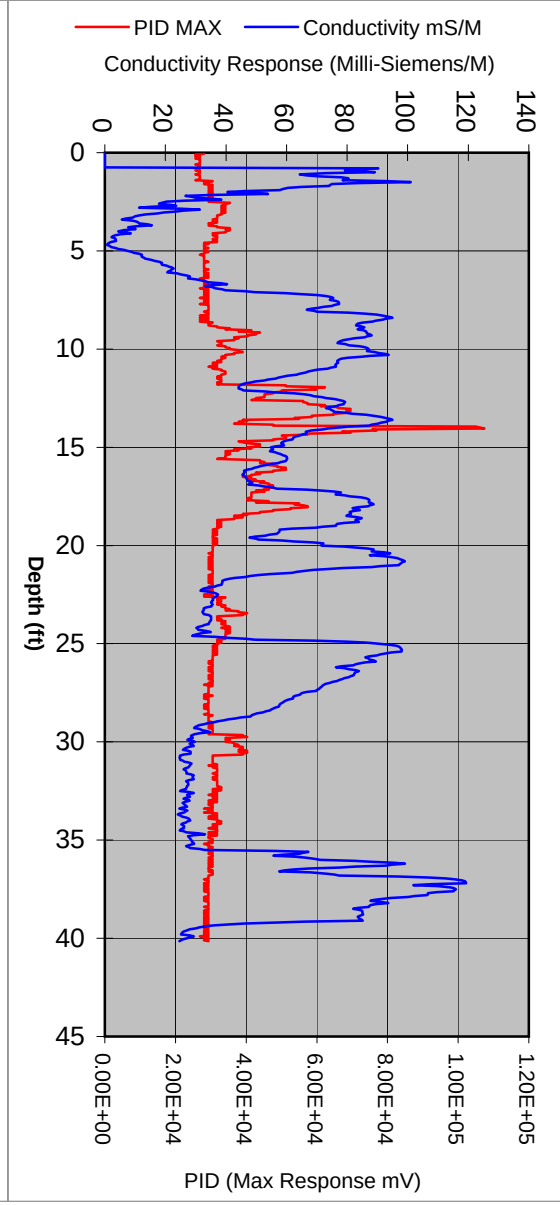
Total Depth (ft): 40.15

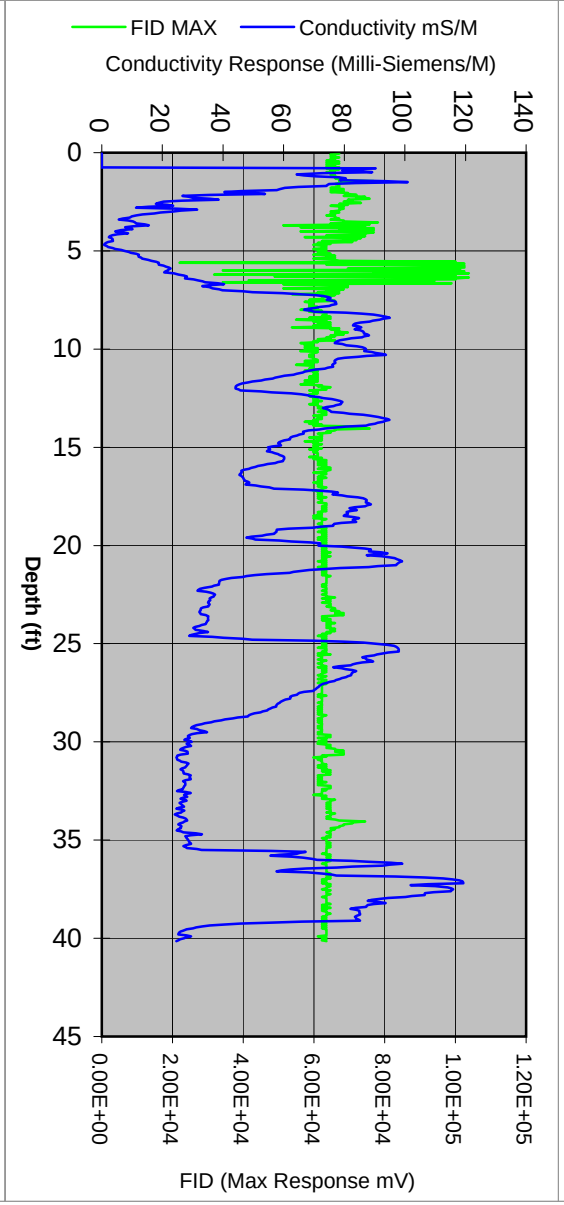
Notes: No hand augering. This location is approximately 3 feet higher in elevation.

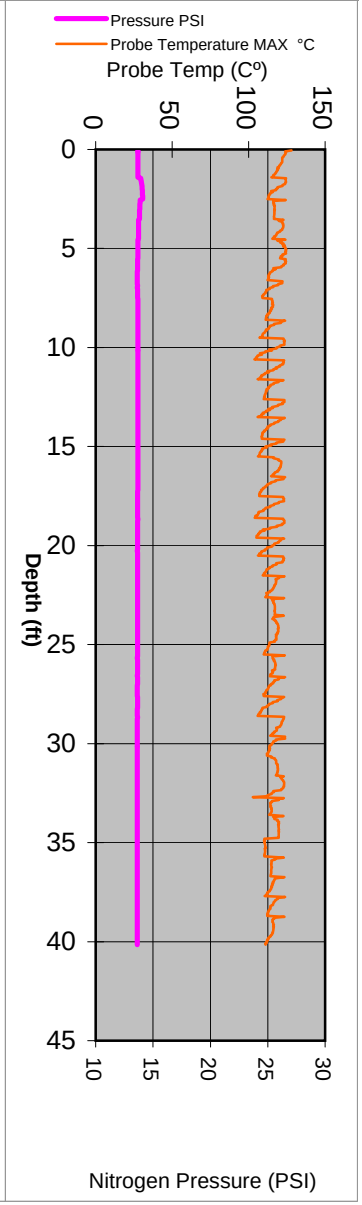
GW Depth (ft):
Depth of GW Provided by Client

Job Information		MIP Sampling Information			
Client Company:	ITSI	Trunkline Length:	150'	Start Boring Time:	Wed Jan 20 2010 10:11
Project Name:	CTS Printex RIFS	Probe Type:	6520	End Boring Time:	Wed Jan 20 2010 10:52
Site Address:	935 Sierra Vista Ave - Mountain View, CA	Rig Type:	Geoprobe 6600	MIP Specialist:	Jeff Paul









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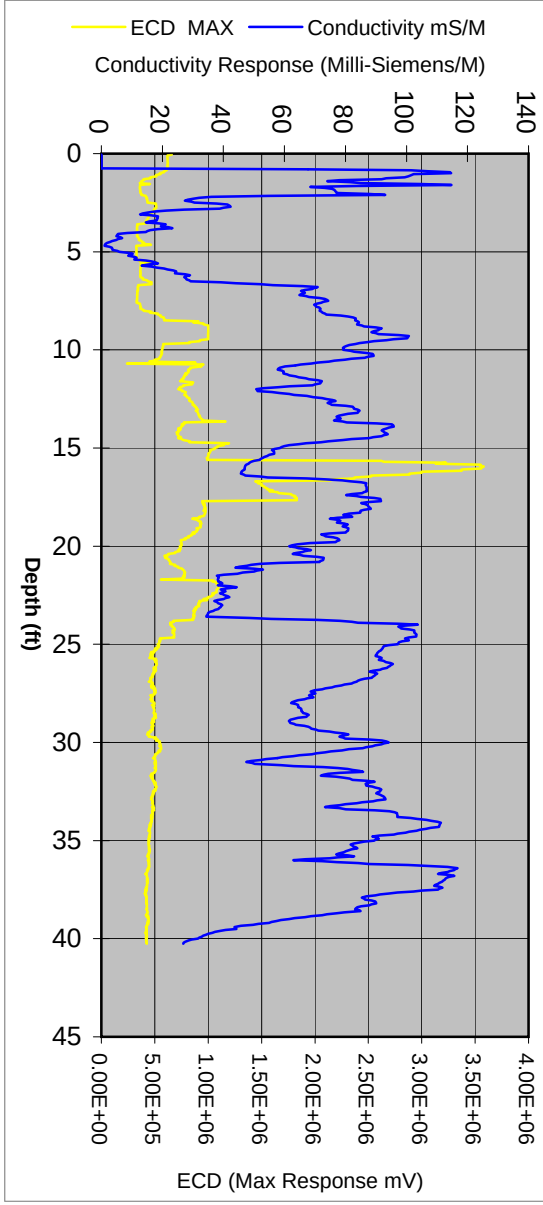
Boring Name: MIP-4

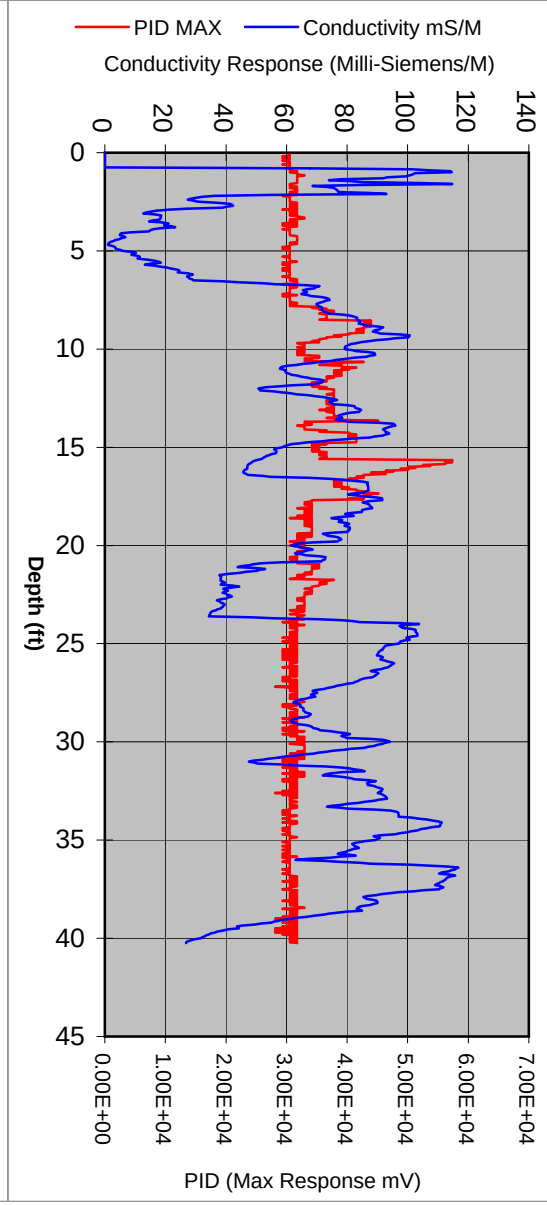
Total Depth (ft): 40.25

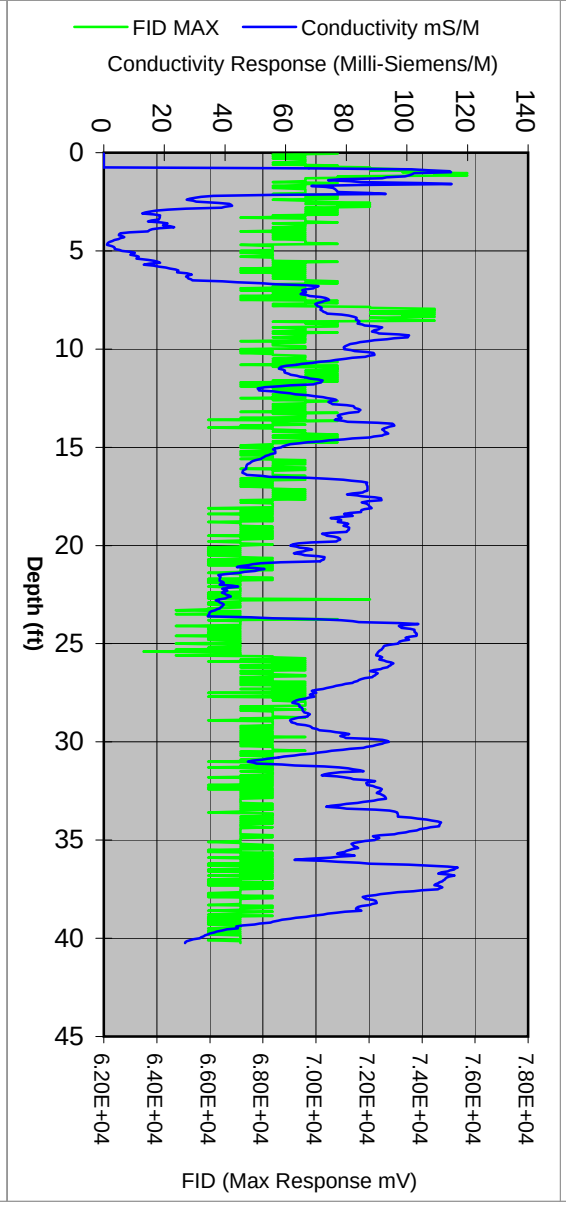
Notes: No hand augering.

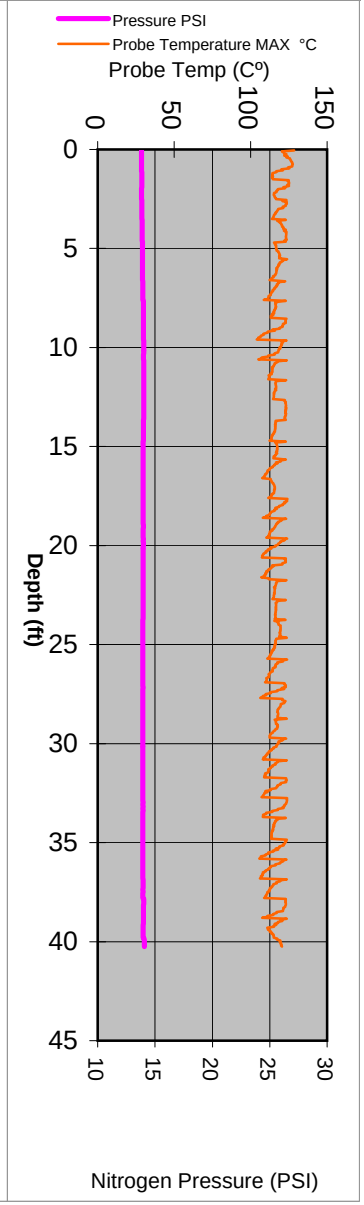
GW Depth (ft): Depth of GW Provided by Client

Job Information		MIP Sampling Information			
Client Company:	ITSI	Trunkline Length:	150'	Start Boring Time:	Tue Jan 19 2010 12:40
Project Name:	CTS Printex RIFS	Probe Type:	6520	End Boring Time:	Tue Jan 19 2010 13:23
Site Address:	935 Sierra Vista Ave - Mountain View, CA	Rig Type:	Geoprobe 6600	MIP Specialist:	Jeff Paul









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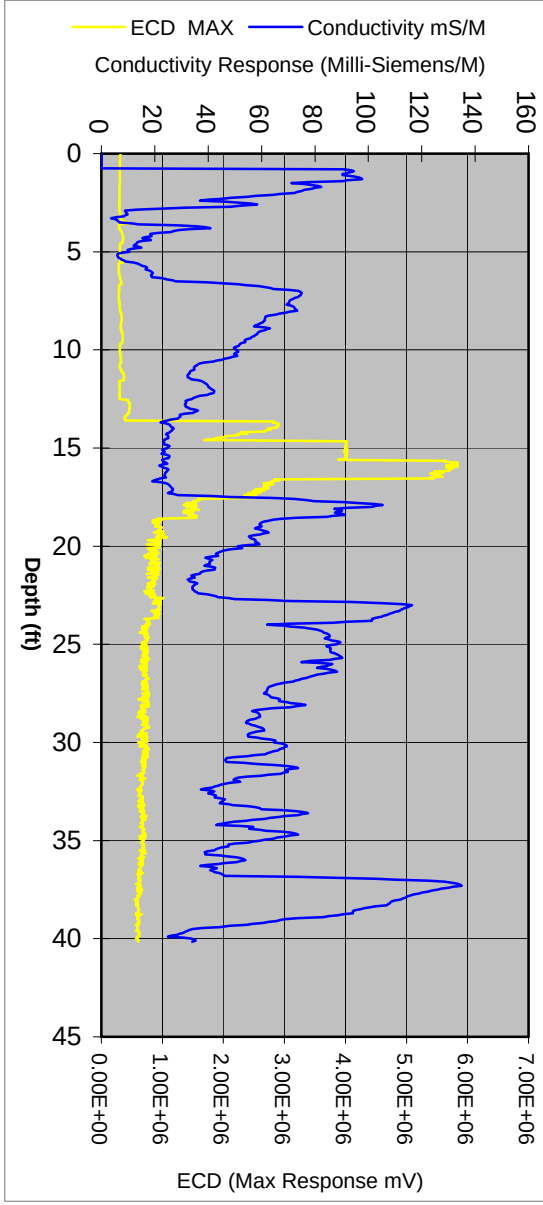
Boring Name: MIP-4-1

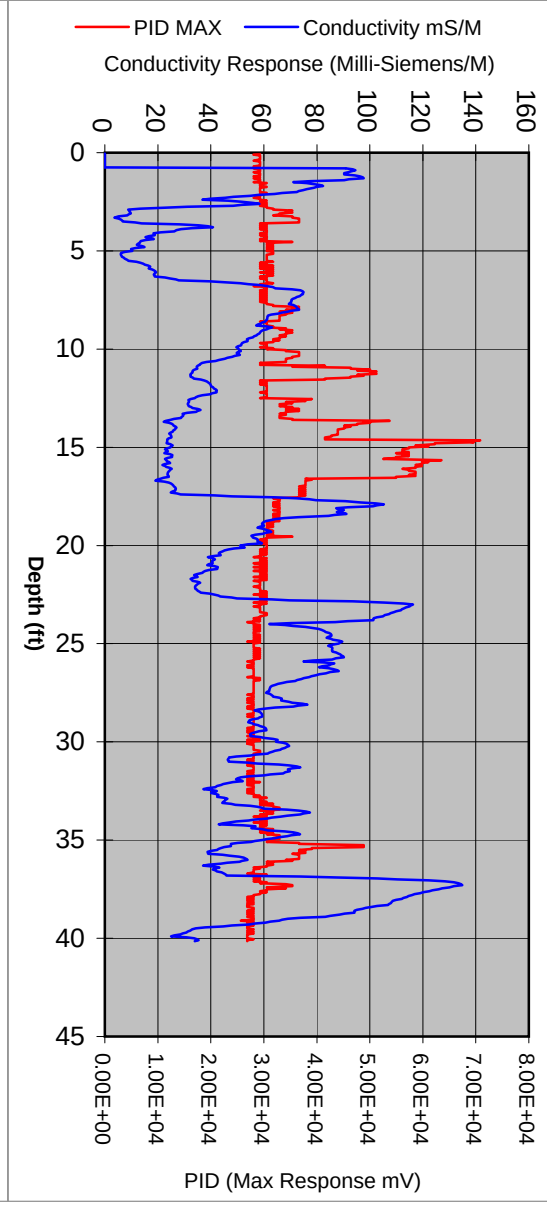
Total Depth (ft): 40.15

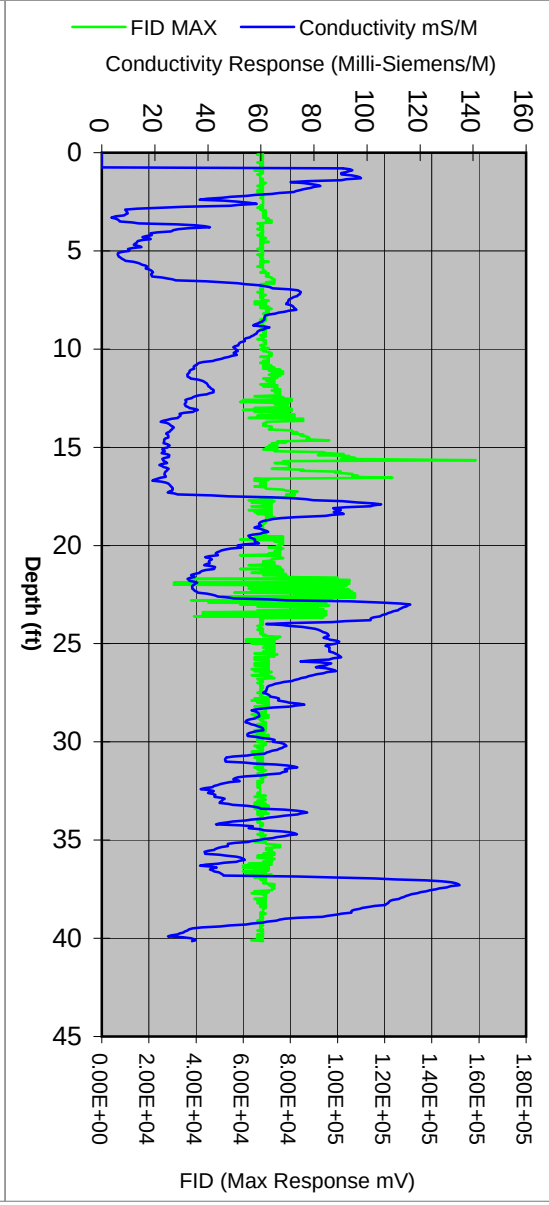
Notes: No hand augering.

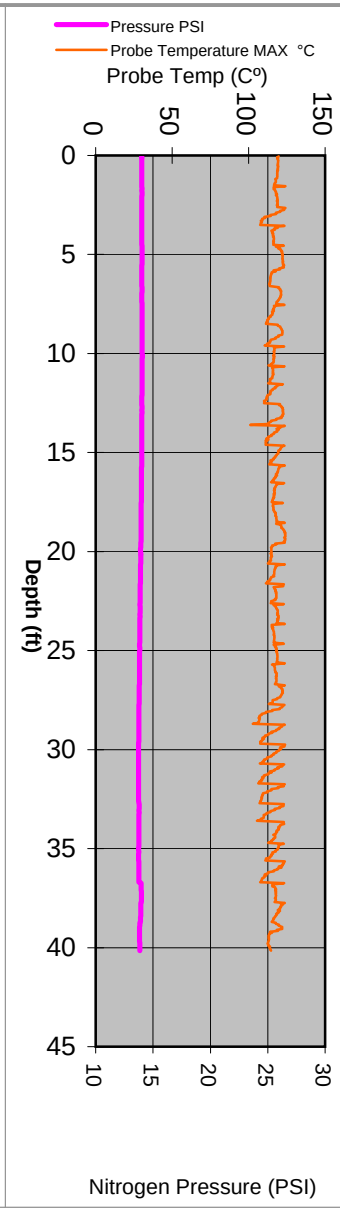
GW Depth (ft): Depth of GW Provided by Client

Job Information		MIP Sampling Information			
Client Company:	ITSI	Trunkline Length:	150'	Start Boring Time:	Wed Jan 20 2010 12:14
Project Name:	CTS Printex RIFS	Probe Type:	6520	End Boring Time:	Wed Jan 20 2010 12:56
Site Address:	935 Sierra Vista Ave - Mountain View, CA	Rig Type:	Geoprobe 6600	MIP Specialist:	Jeff Paul









5292 Pacheco Boulevard
Pacheco, CA 94553
P:(925) 521-1490
F:(925) 521-1494
www.vironex.com

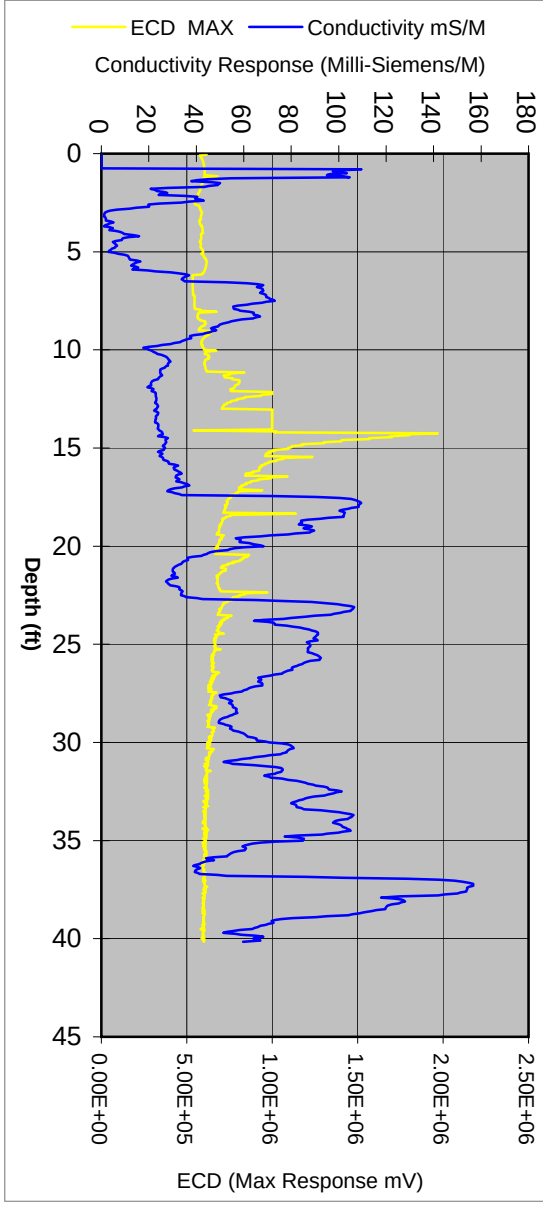
Boring Name: MIP-4-2

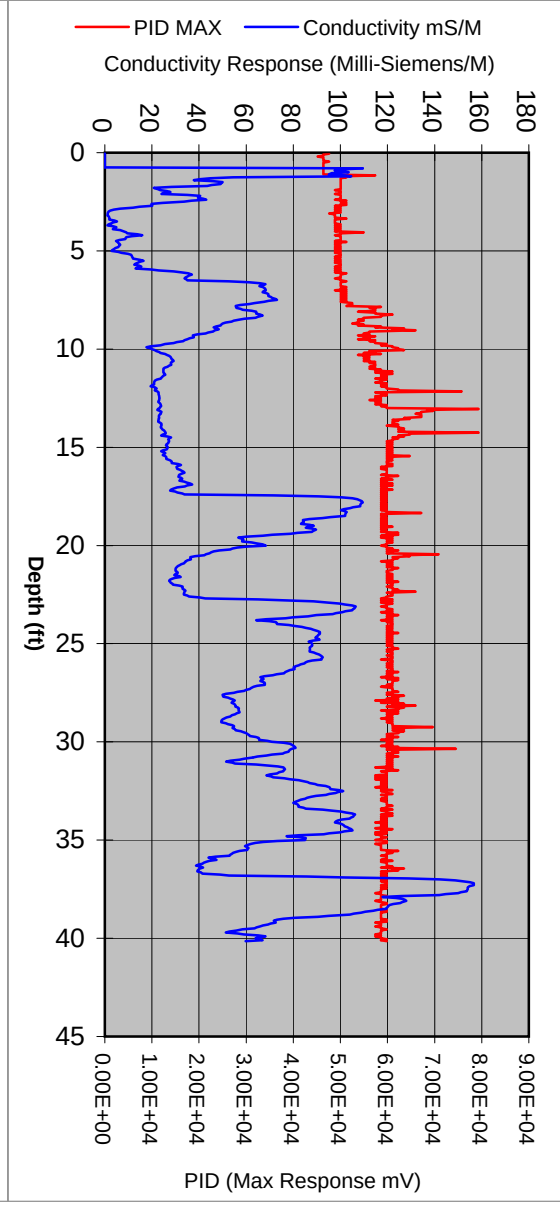
Total Depth (ft): 40.15

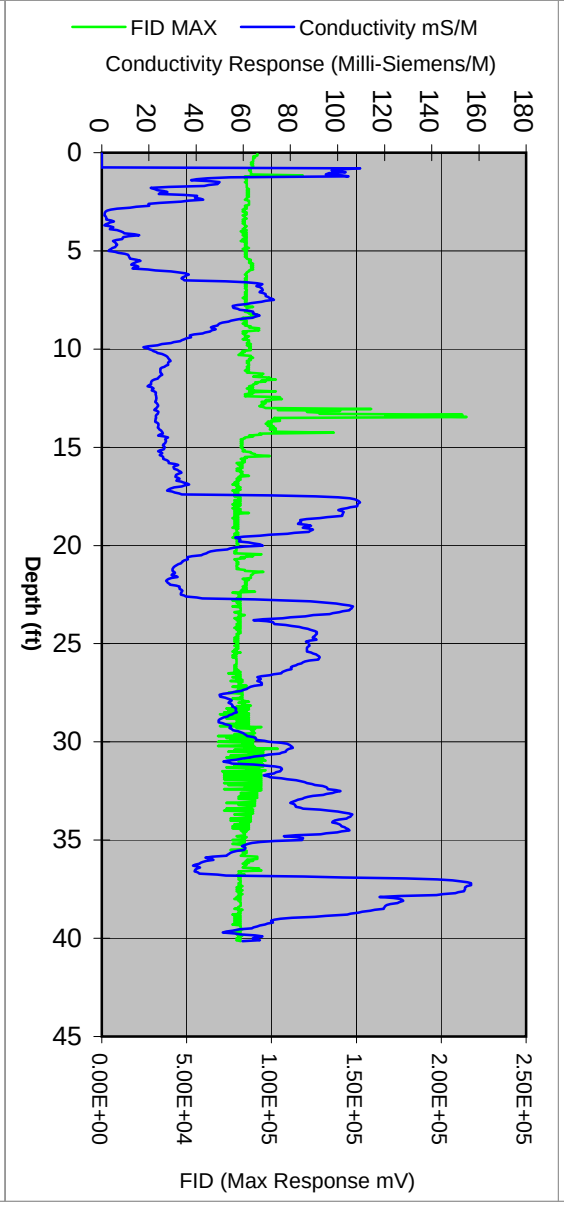
Notes: No hand augering.

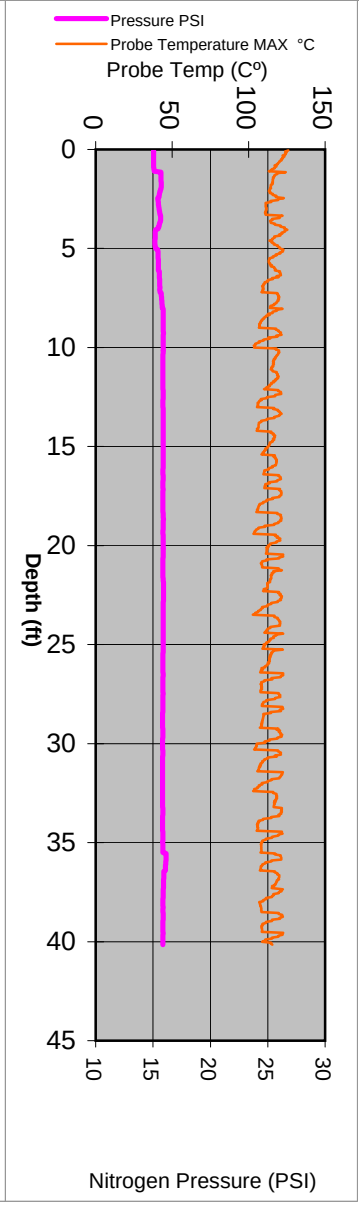
GW Depth (ft): Depth of GW Provided by Client

Job Information		MIP Sampling Information			
Client Company:	ITSI	Trunkline Length:	150'	Start Boring Time:	Thu Feb 25 2010 9:40
Project Name:	CTS Printex RIFS	Probe Type:	6520	End Boring Time:	Thu Feb 25 2010 10:21
Site Address:	935 Sierra Vista Ave - Mountain View, CA	Rig Type:	Geoprobe 6600	MIP Specialist:	Jeff Paul









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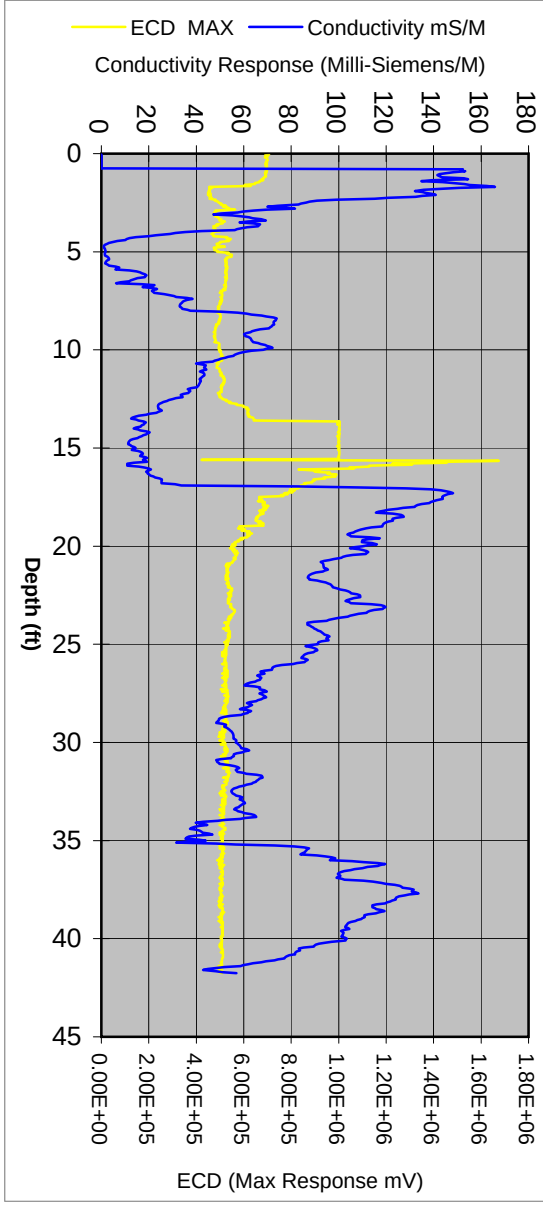
Boring Name: MIP-4-3

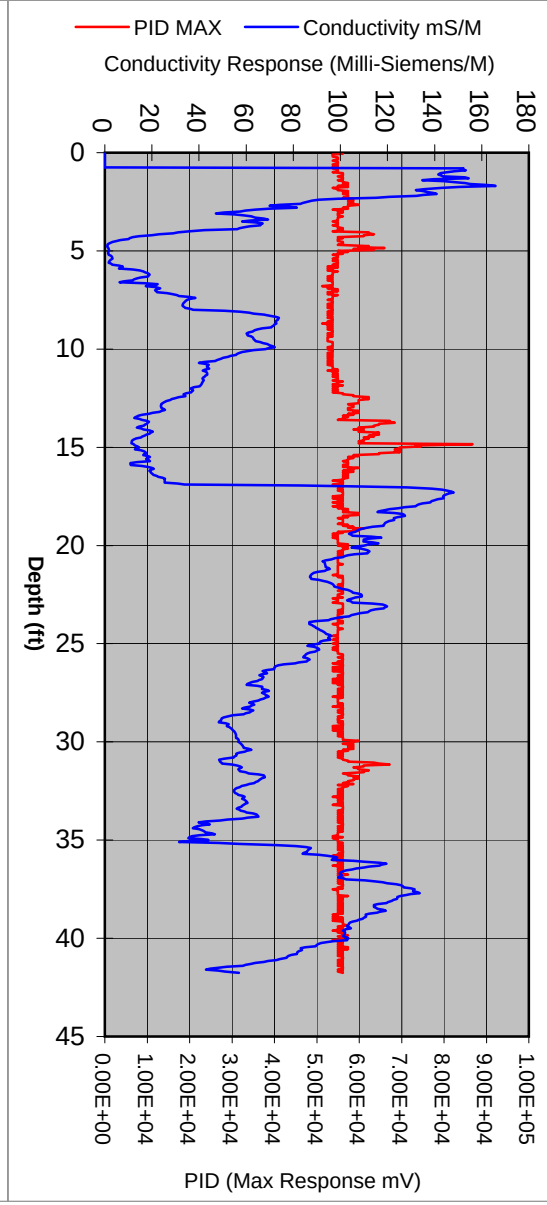
Total Depth (ft): 41.75

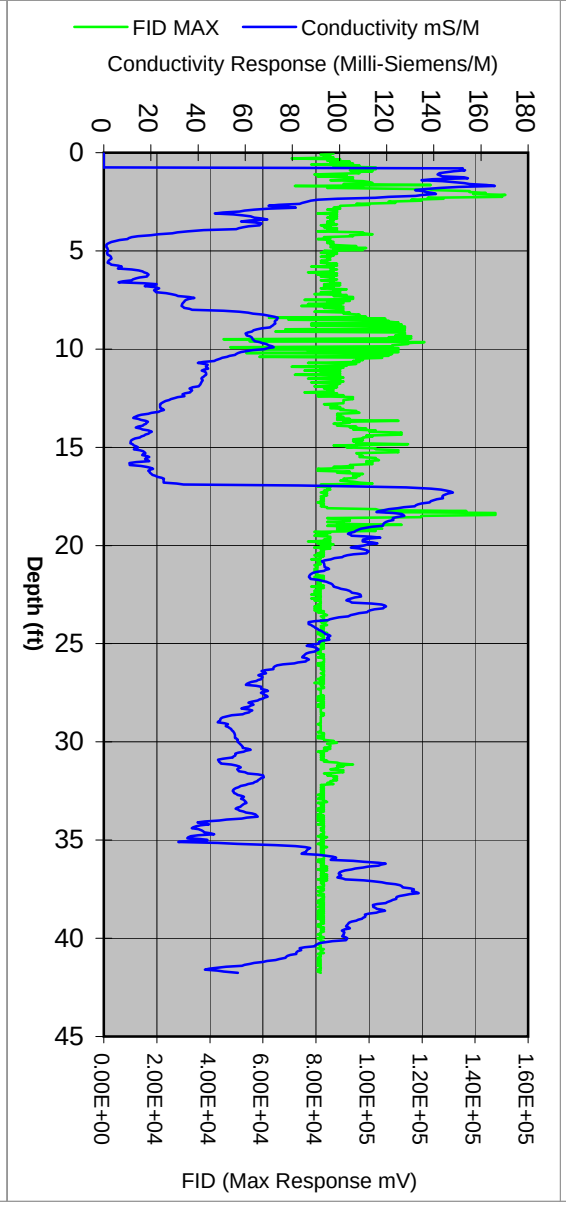
Notes: No hand augering.

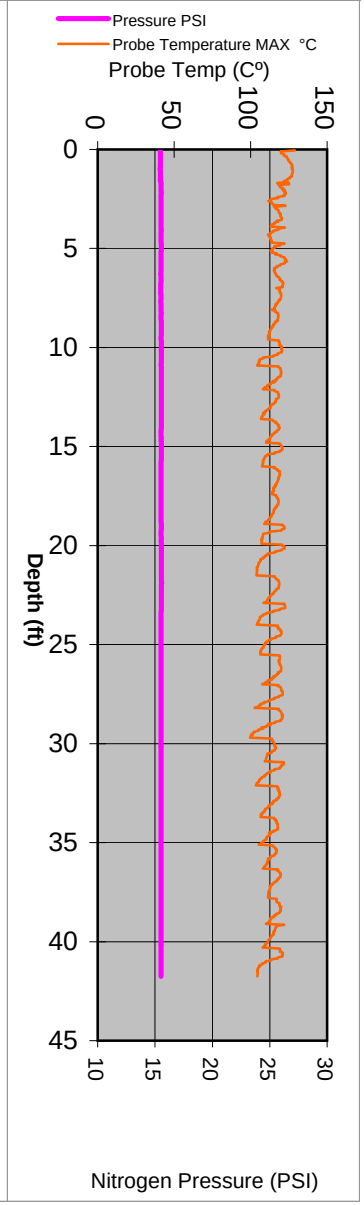
GW Depth (ft): Depth of GW Provided by Client

Job Information		MIP Sampling Information			
Client Company:	ITSI	Trunkline Length:	150'	Start Boring Time:	Thu Feb 25 2010 11:07
Project Name:	CTS Printex RIFS	Probe Type:	6520	End Boring Time:	Thu Feb 25 2010 11:50
Site Address:	935 Sierra Vista Ave - Mountain View, CA	Rig Type:	Geoprobe 6600	MIP Specialist:	Jeff Paul









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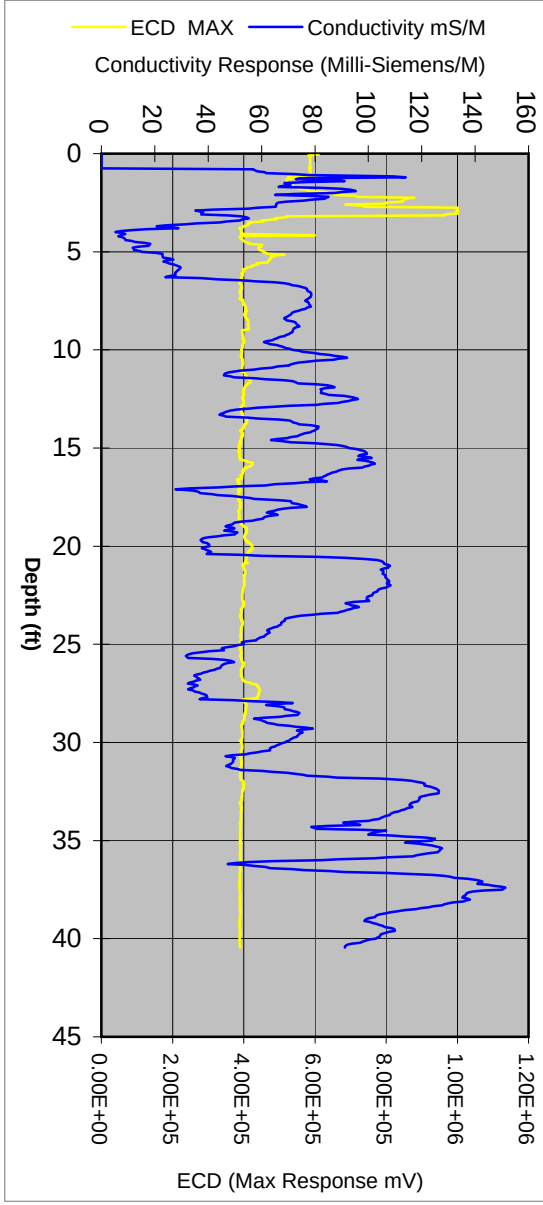
Boring Name: MIP-4-4

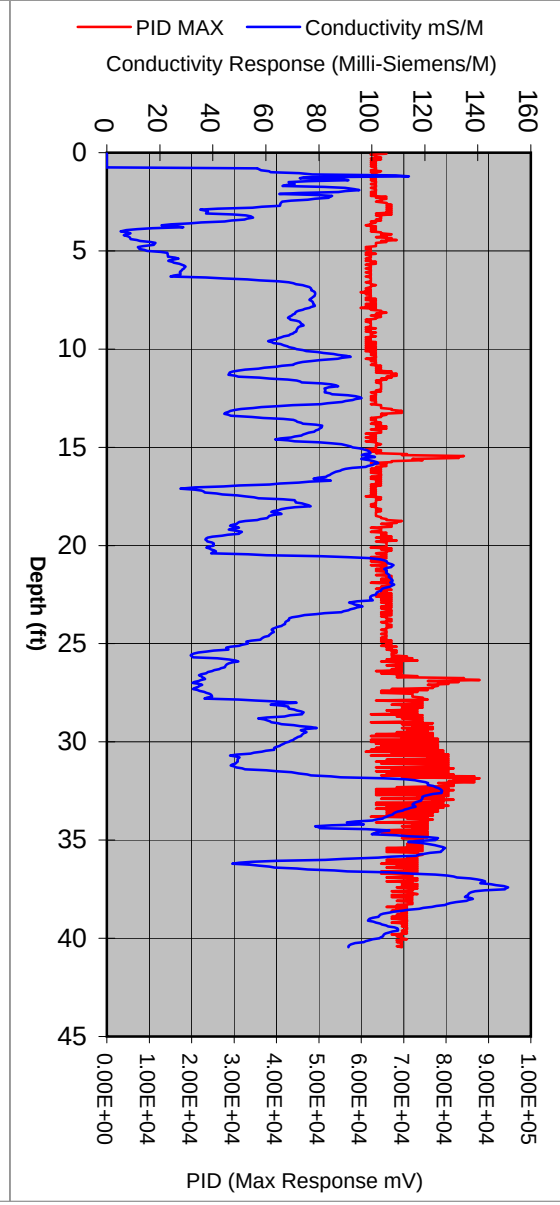
Total Depth (ft): 40.45

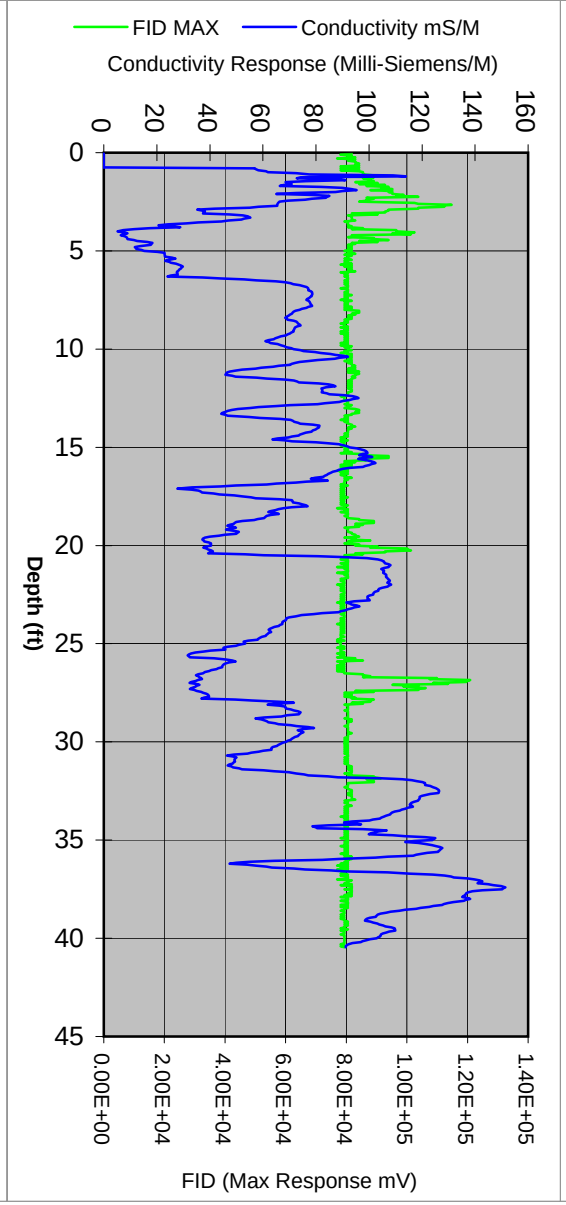
Notes: No hand augering.

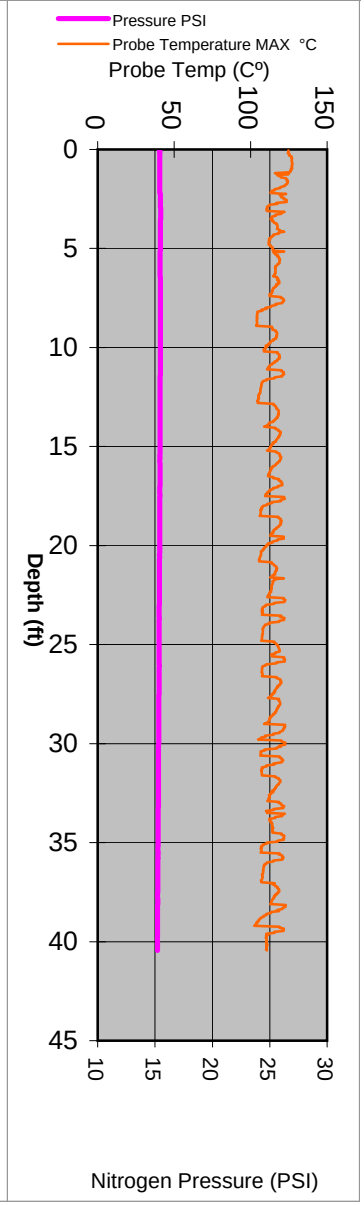
GW Depth (ft): Depth of GW Provided by Client

Job Information		MIP Sampling Information			
Client Company:	ITSI	Trunkline Length:	150'	Start Boring Time:	Thu Feb 25 2010 13:42
Project Name:	CTS Printex RIFS	Probe Type:	6520	End Boring Time:	Thu Feb 25 2010 14:25
Site Address:	935 Sierra Vista Ave - Mountain View, CA	Rig Type:	Geoprobe 6600	MIP Specialist:	Jeff Paul

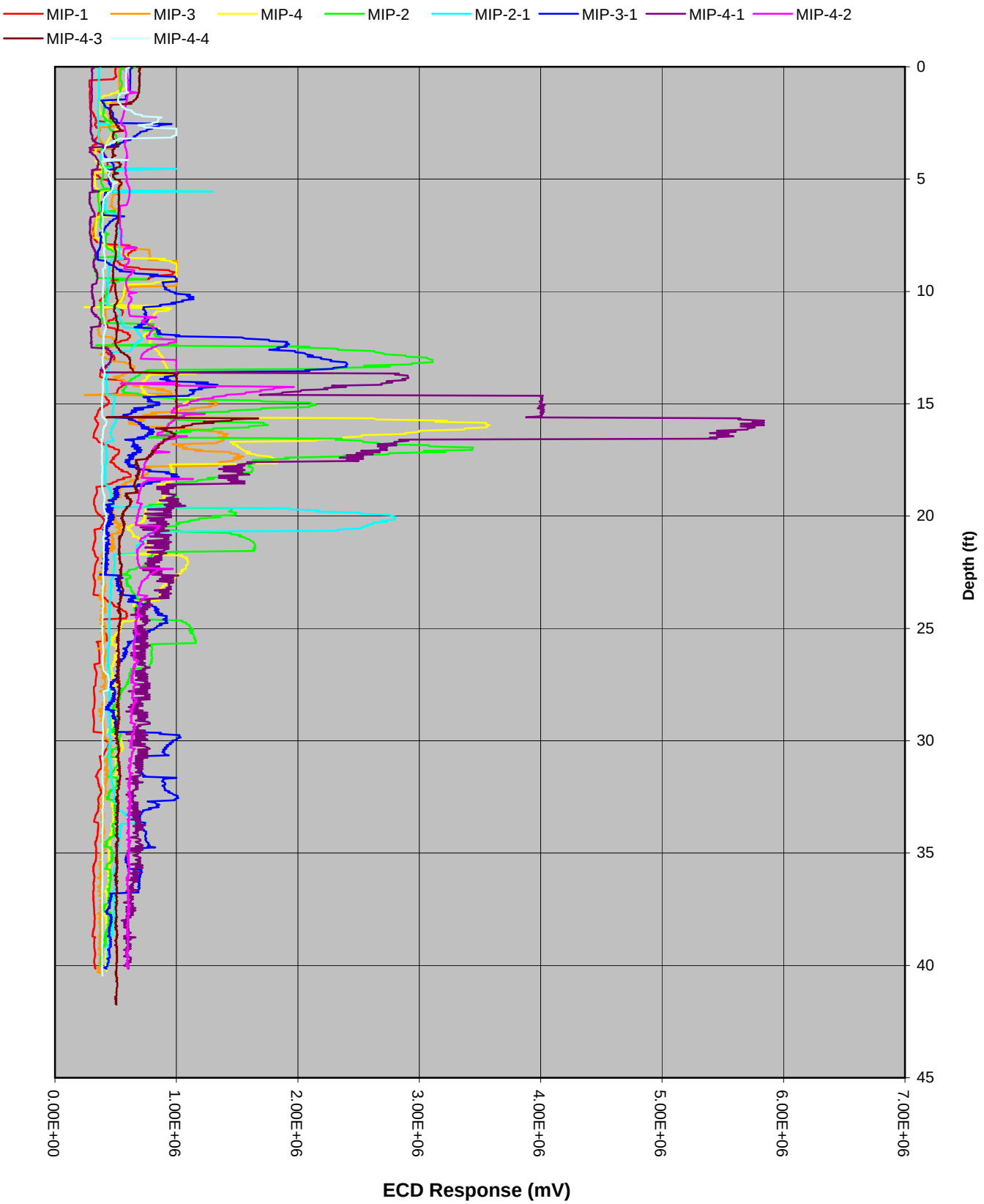




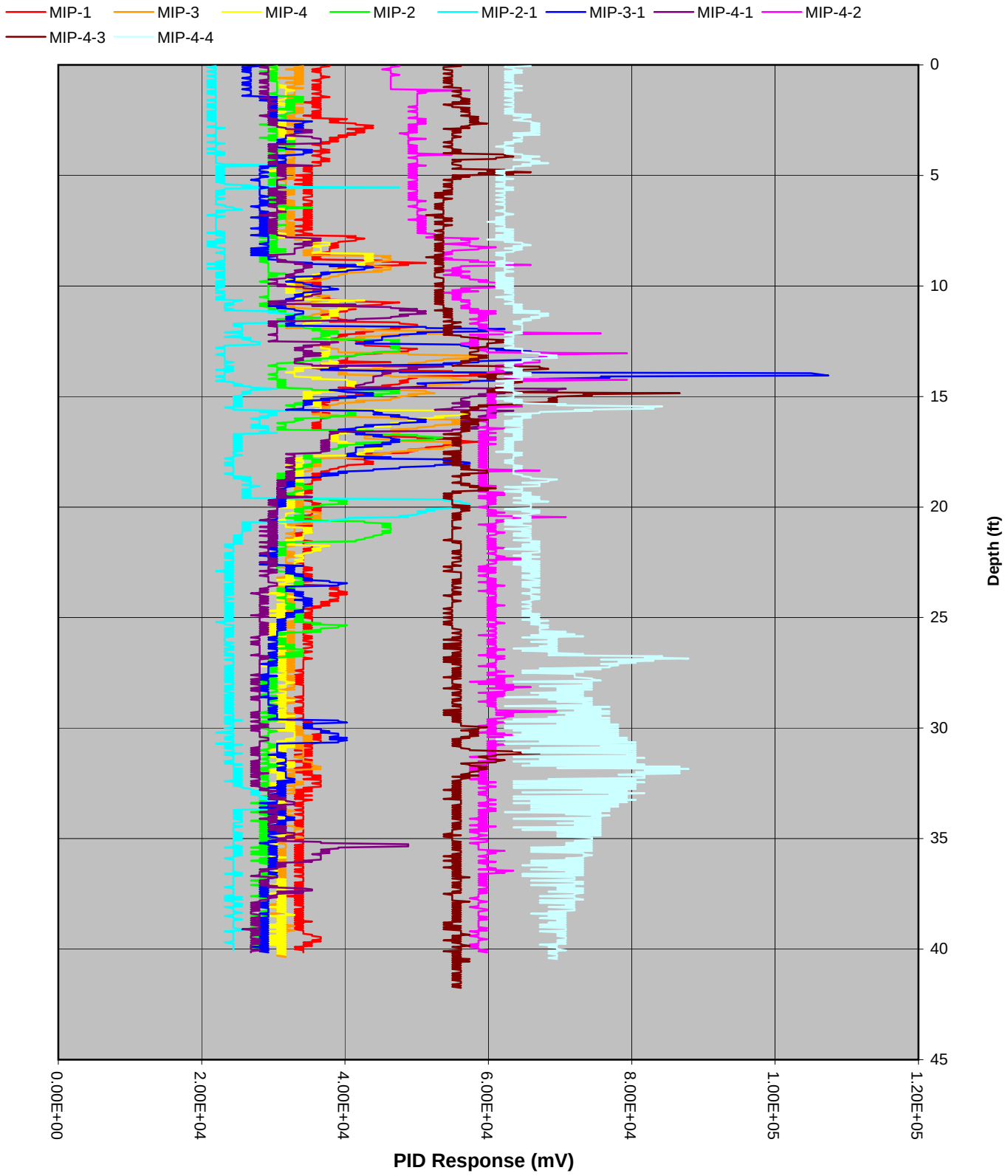




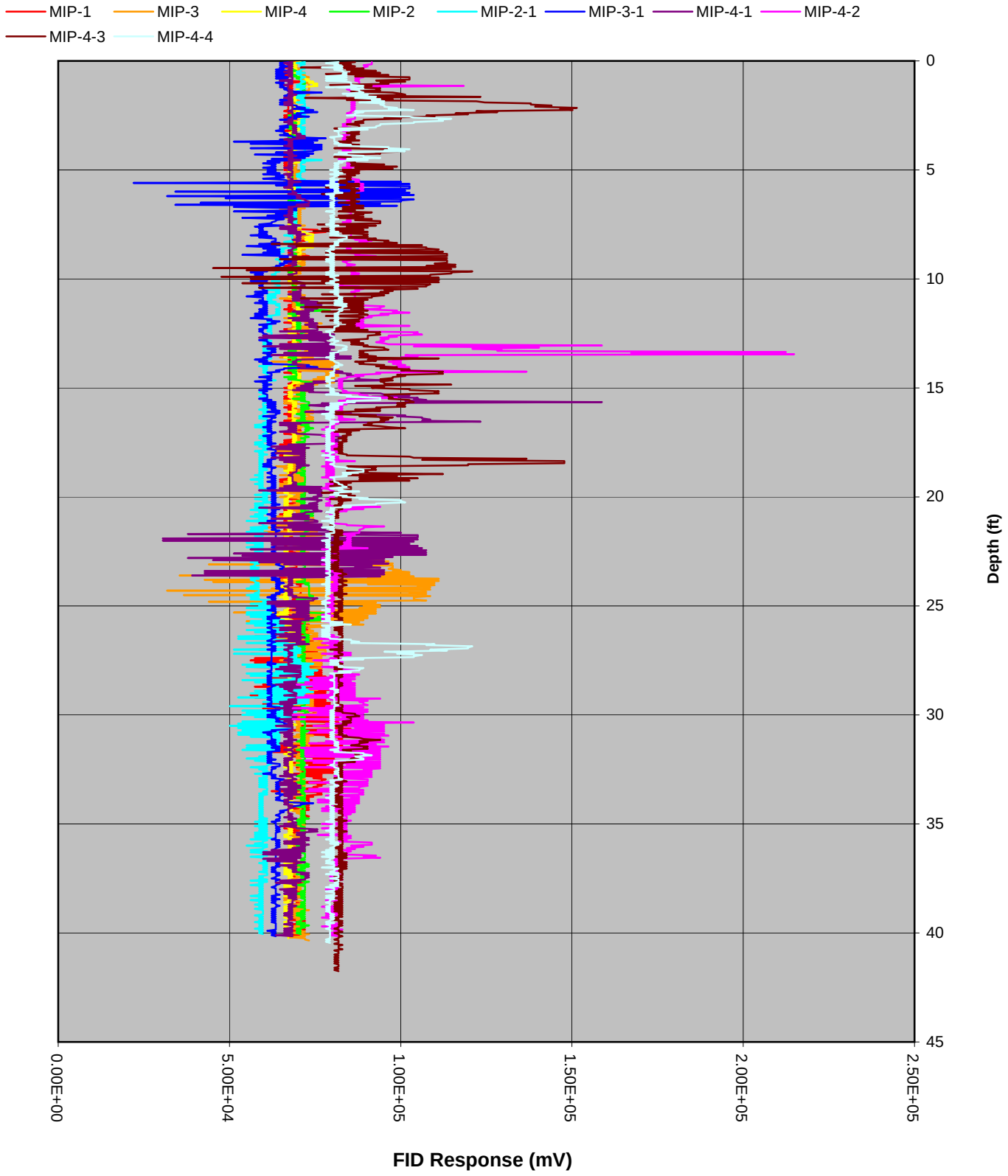
ECD Consolidation



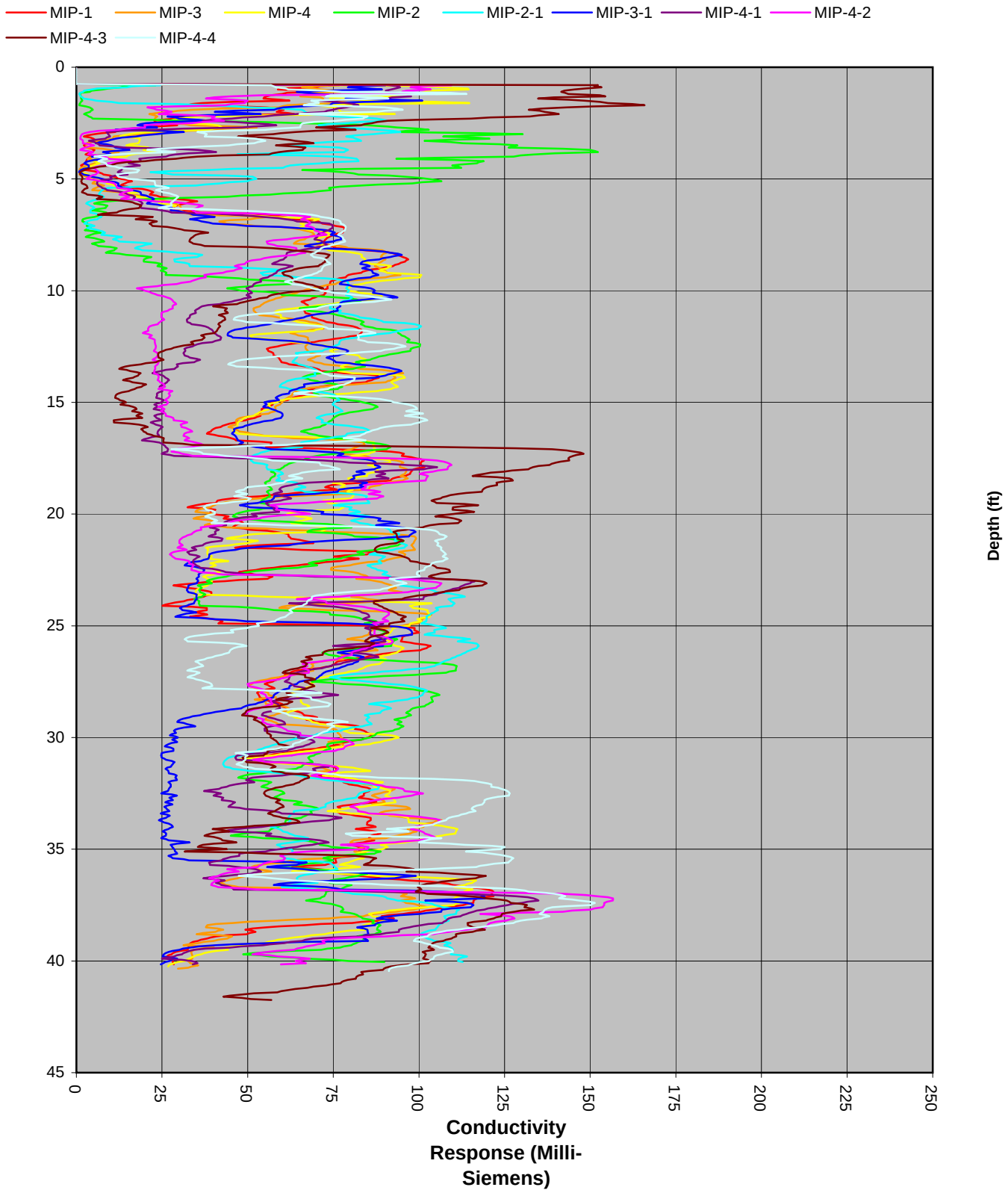
PID Consolidation



FID Consolidation



Conductivity Consolidation



APPENDIX C

3 DIMENSIONAL GRAPHING

Kriging:
Kriging is a weighted moving average interpolation (extrapolation) method that minimizes the estimated variance of a predicted point (node) with the weighted average of its neighbors. The weighting factors and the variance are calculated using a semivariogram model that describes the differences versus distance for pairs of samples in the input dataset.

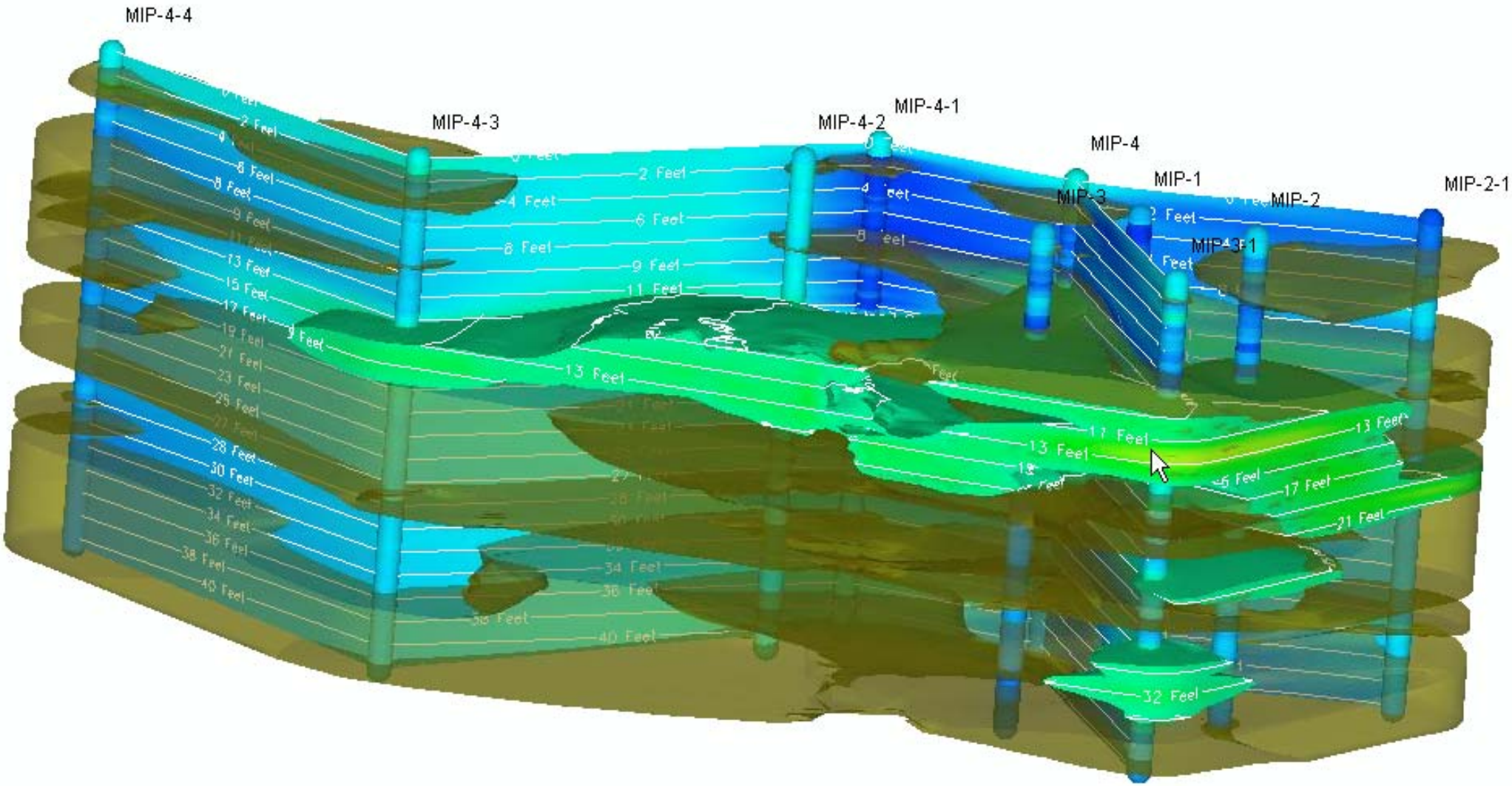
4DIM
4DIM: Four-Dimensions is software which allows the user to view 3-dimentional models without the purchase of any software. 4DIM will allow you to adjust the model to obtain the most to zoom, pan and rotate the 3-dimensional file any way you would like. You will not be able to change any of the parameters (i.e. detector range), but you will be able to export your screenshot to a picture format (.jpeg, .png, .bmp, etc..).

Settings:

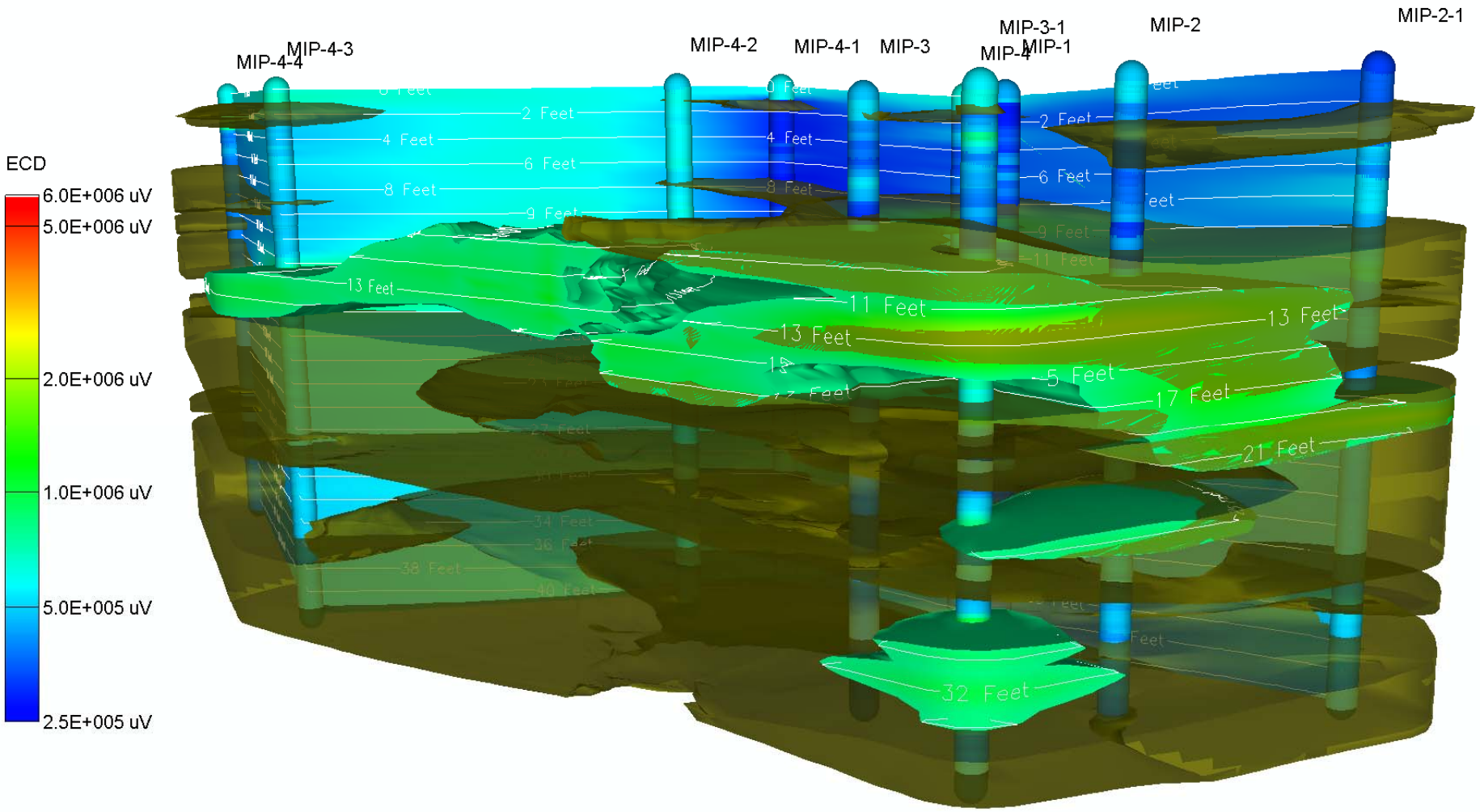
- Gridding Options
  - Gridding: X-41, Y-41, Z-35
  - Adaptive Gridding: Yes
  - Rectilinear Offset: 0.1
- Data Processing:
  - Data Scaling: 1.0
- Kriging Parameters
  - Interpolation Method: Statistics

1. Data Used
   a. Coordinates provided by ITSI.
   b. MIP data was averaged over a 0.5’ interval. (i.e. Data was averaged from 0.00’ to 0.5’)

MIP Boring	Electrical Conductivity	ECD	PID	FID	Easting	Northing	Elevation (ft)
MIP-1	X	X	X	X	580614.1	4141631	4.3
MIP-2	X	X	X	X	580619.1	4141621	5.23
MIP-2-1	X	X	X	X	580634	4141620	5.74
MIP-3	X	X	X	X	580604.5	4141629	4.22
MIP-3-1	X	X	X	X	580608.2	4141614	4.76
MIP-4	X	X	X	X	580613.8	4141641	4.11
MIP-4-1	X	X	X	X	580601.9	4141652	4.92
MIP-4-2	X	X	X	X	580593.9	4141649	4.98
MIP-4-3	X	X	X	X	580563.9	4141657	4.93
MIP-4-4	X	X	X	X	580553.6	4141689	4.67


MIP-4-4
MIP-4-3
MIP-4-2
MIP-4-1
MIP-4
MIP-3
MIP-1
MIP-2
MIP-2-1
MIP-3-1
2 Feet
4 Feet
6 Feet
8 Feet
9 Feet
11 Feet
13 Feet
15 Feet
17 Feet
19 Feet
21 Feet
23 Feet
25 Feet
28 Feet
30 Feet
32 Feet
34 Feet
36 Feet
38 Feet
40 Feet

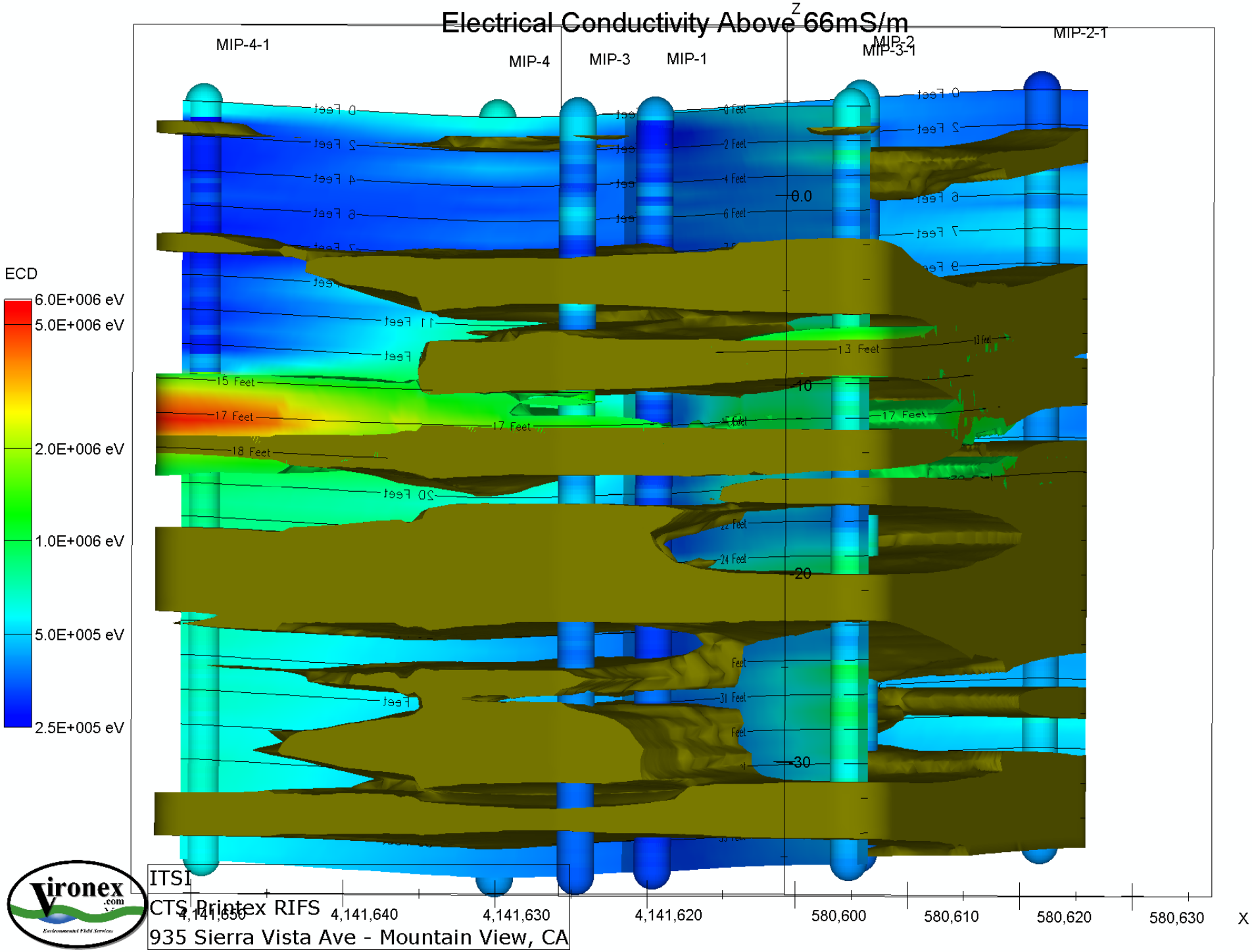
ECD Above8.0E+005uV
Conductivity Above 66mS/m



ITSI
CTS Printex RIFS
935 Sierra Vista Ave - Mountain View, CA

ECD Above 1.0E+006

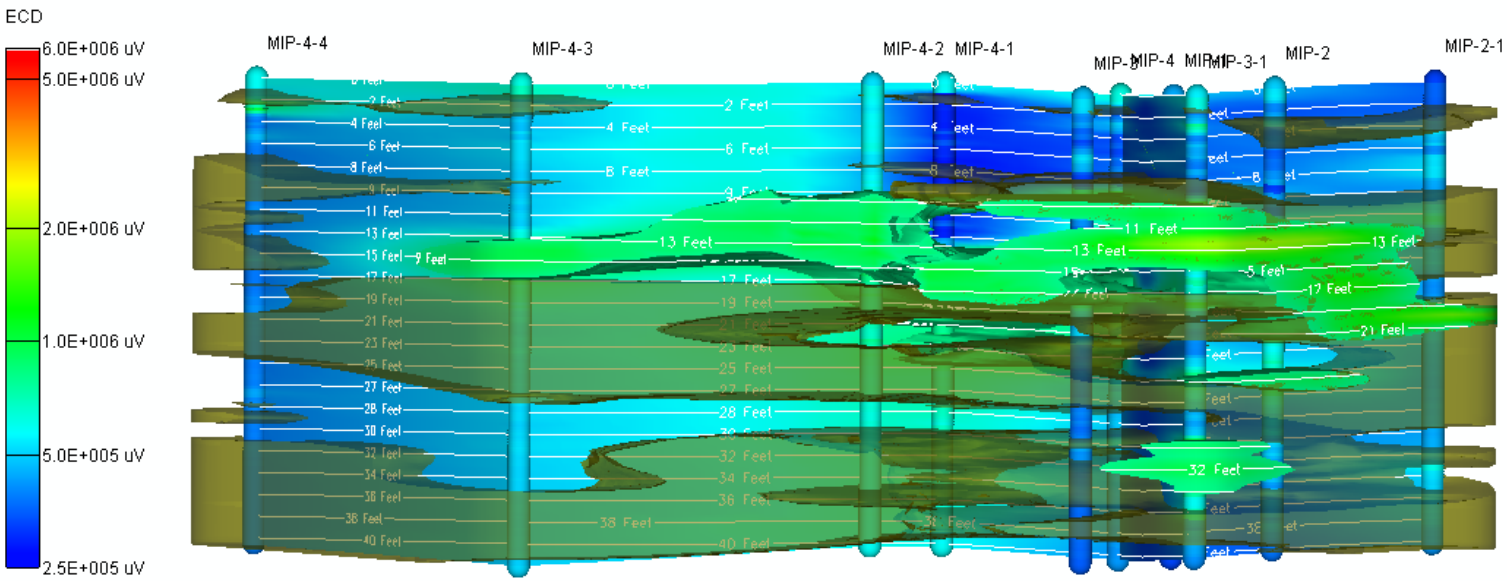
Electrical Conductivity Above 66mS/m



ITSI
CTS Printex RIFS
935 Sierra Vista Ave - Mountain View, CA

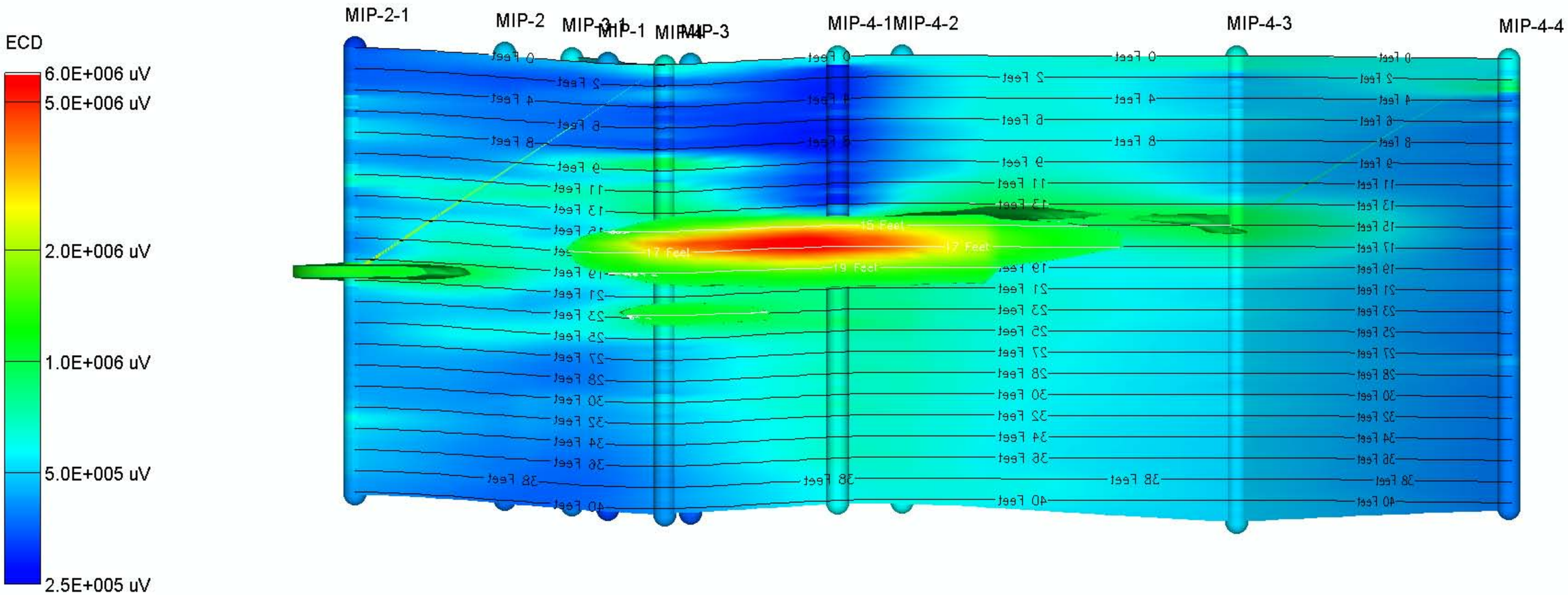
ECD Above 8.0E+6

ECD Above8.0E+005uV
Conductivity Above 66mS/m



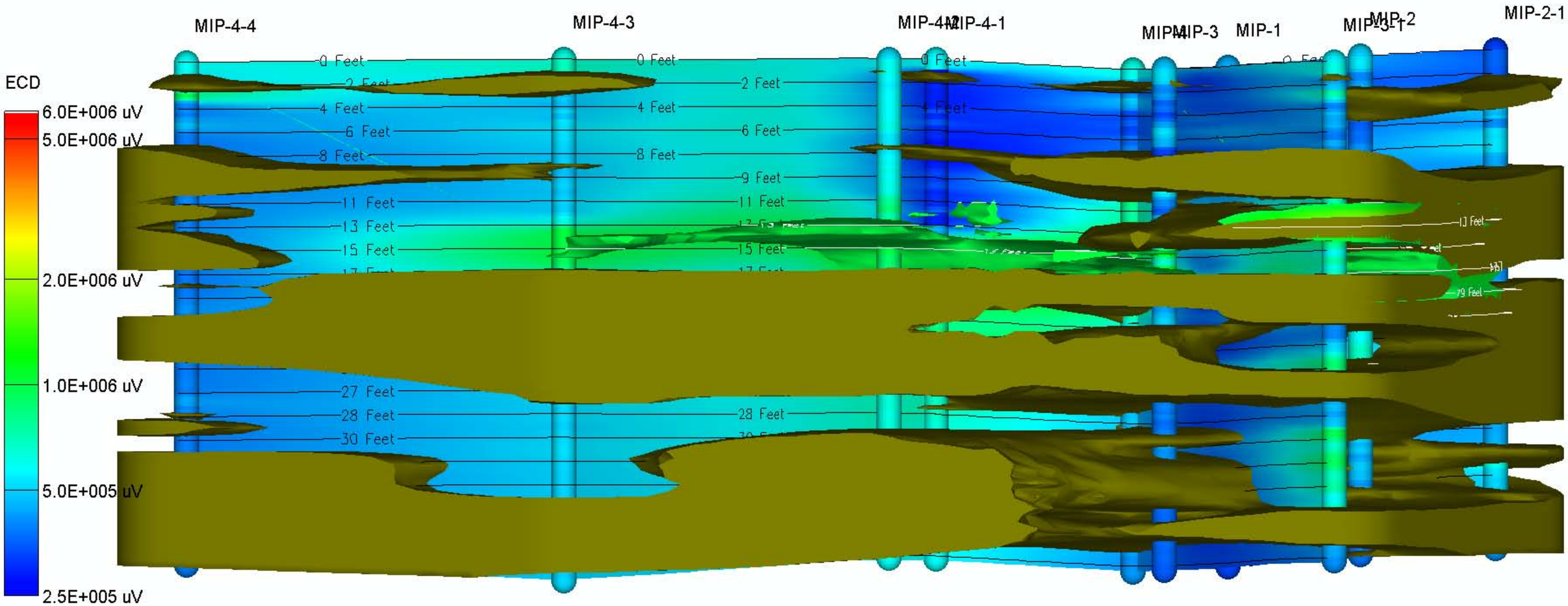
ITSI
CTS Printex RIFS
935 Sierra Vista Ave - Mountain View, CA

ECD Above1.0E+006uV



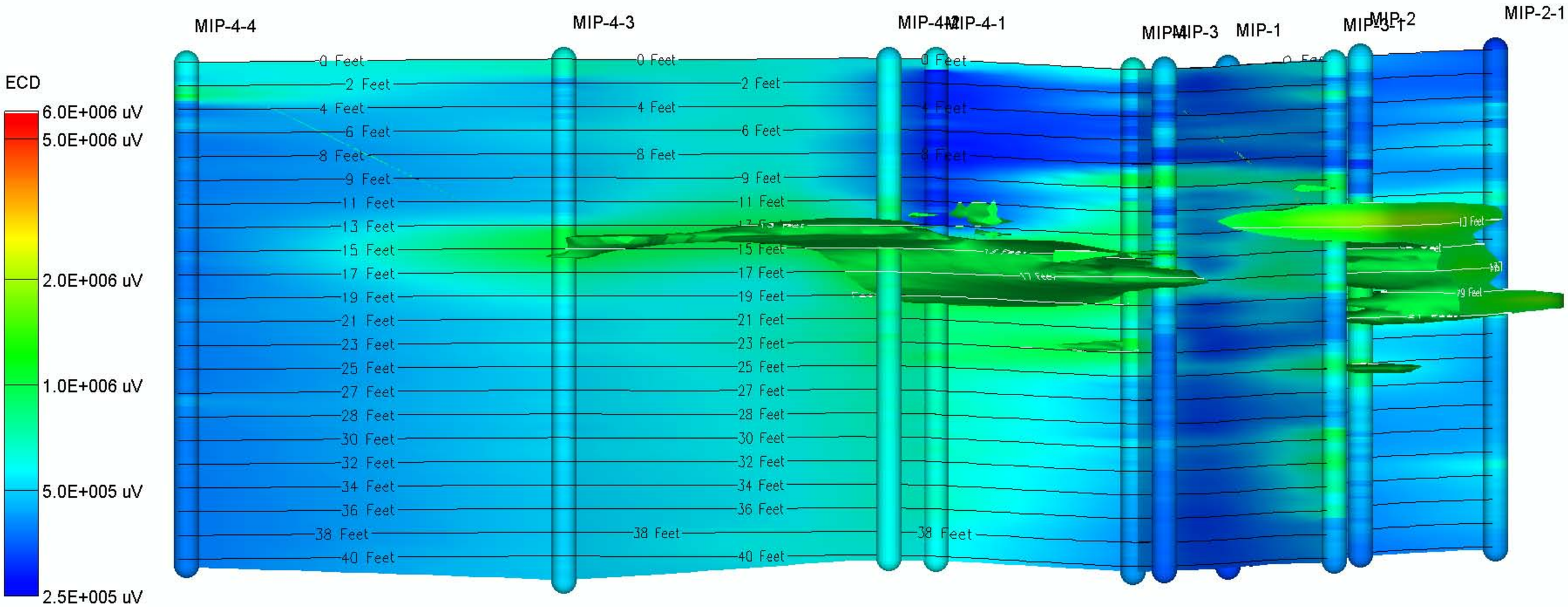
ITSI
CTS Printex RIFS
935 Sierra Vista Ave - Mountain View, CA

ECD Above1.0E+006uV
Conductivity Above 66mS/m



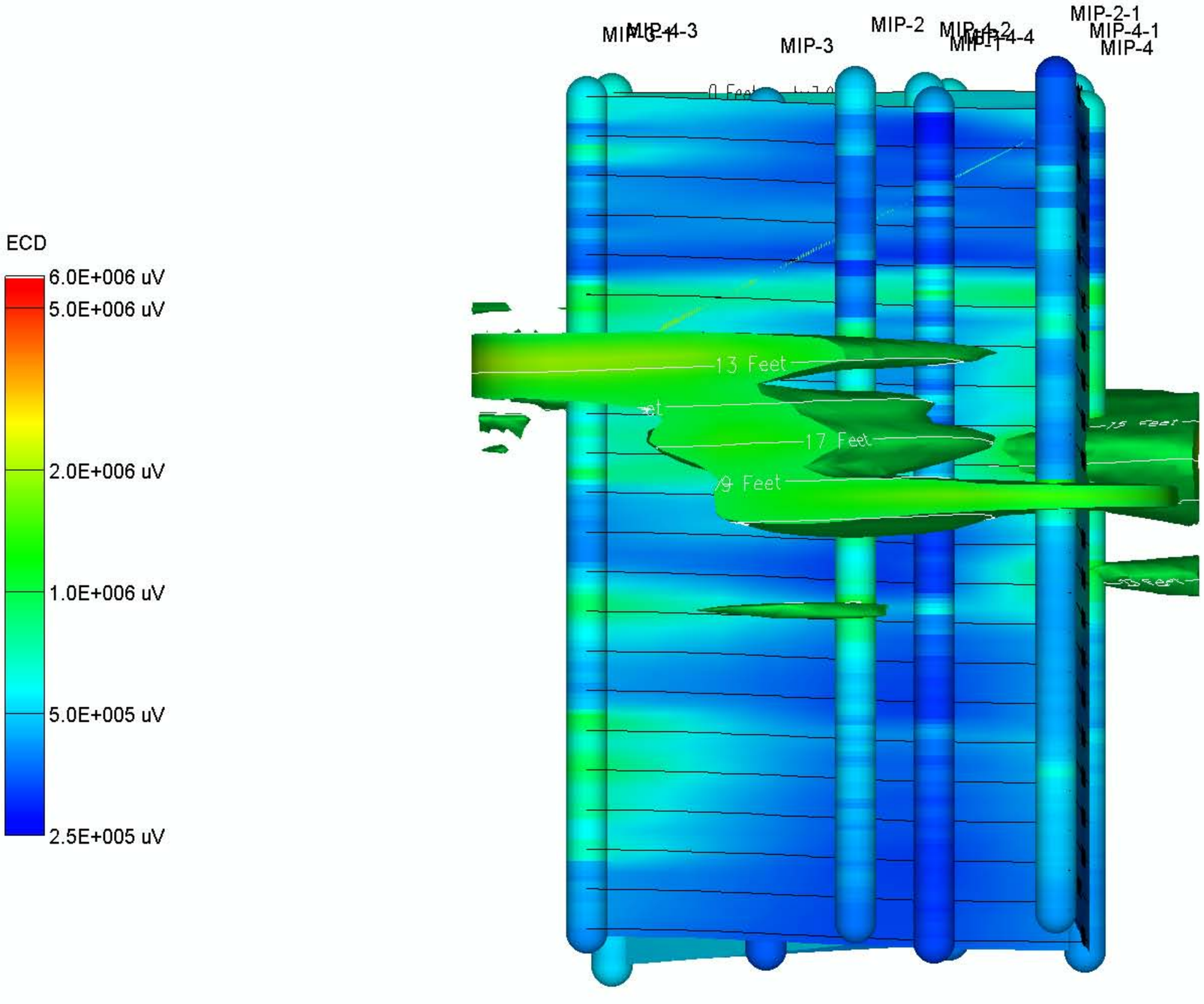
ITSI
CTS Printex RIFS
935 Sierra Vista Ave - Mountain View, CA

ECD Above1.0E+006uV



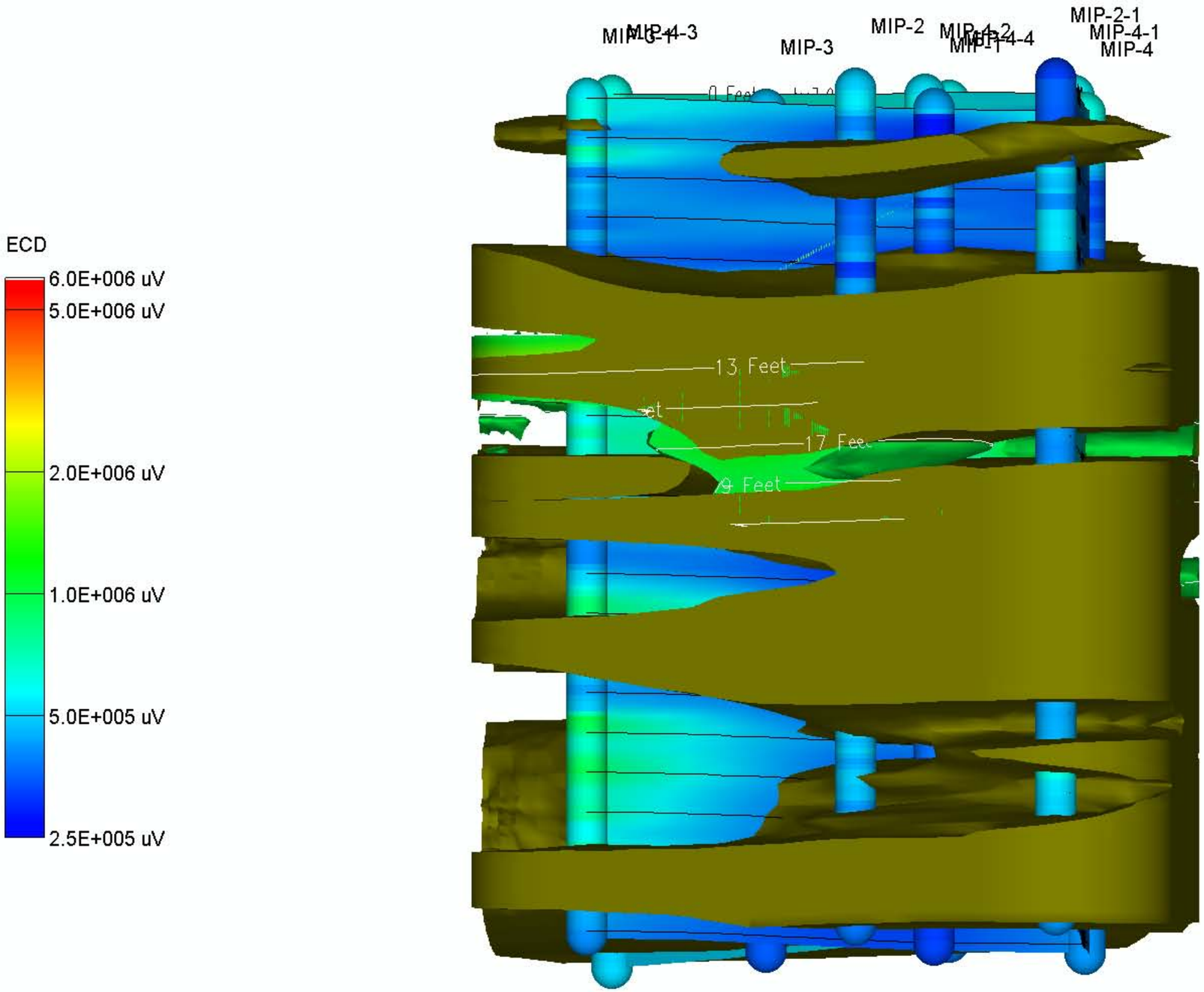
ITSI
CTS Printex RIFS
935 Sierra Vista Ave - Mountain View, CA

ECD Above1.0E+006uV



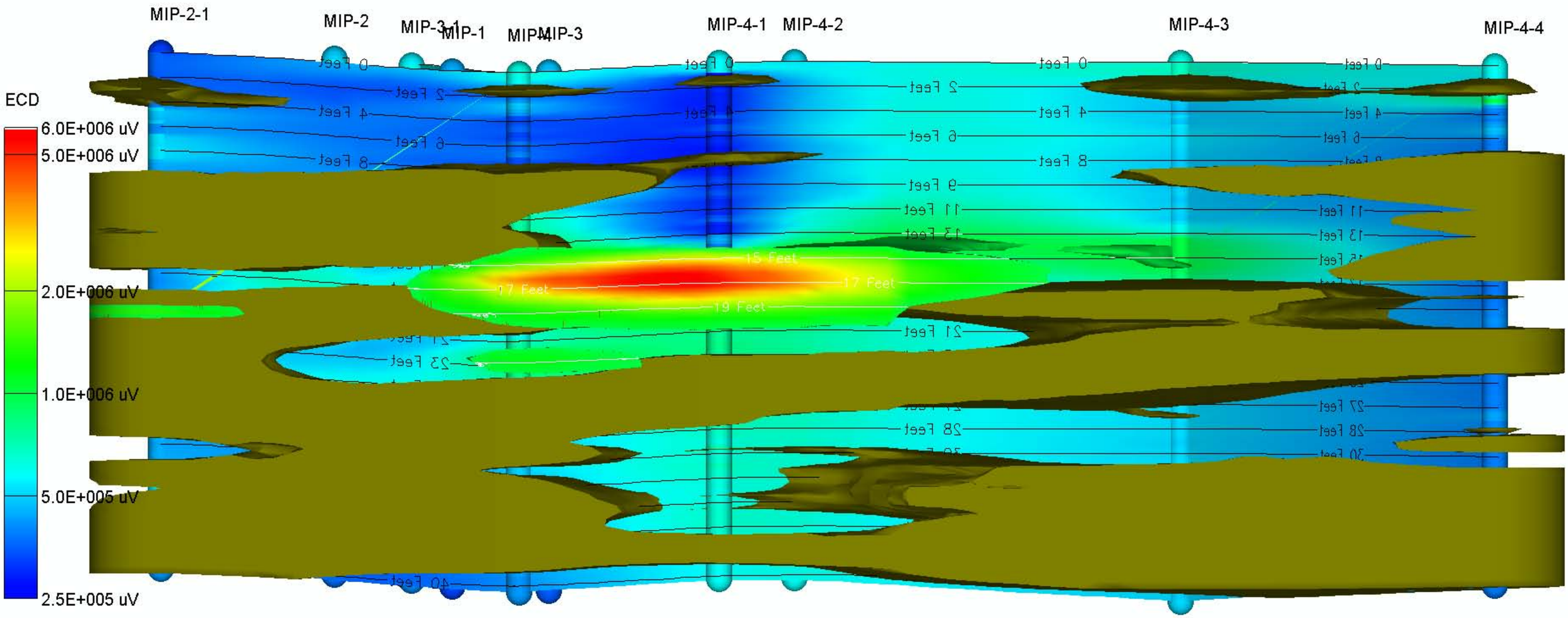
ITSI
CTS Printex RIFS
935 Sierra Vista Ave - Mountain View, CA

ECD Above1.0E+006uV
Conductivity Above 66mS/m



ITSI
CTS Printex RIFS
935 Sierra Vista Ave - Mountain View, CA

ECD Above1.0E+006uV
Conductivity Above 66mS/m



ITSI
CTS Printex RIFS
935 Sierra Vista Ave - Mountain View, CA

PTS File No: 40060
Client: Innovative Technical Solutions, Inc.

PHYSICAL PROPERTIES DATA

PROJECT NAME: CTS Printex
PROJECT NO: 07163.0034

		METHODS:	API RP40	API RP 40		
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	DRY BULK DENSITY, g/cc	POROSITY, cc/cc (2)		
				TOTAL	AIR-FILLED	WATER-FILLED
PTX001 Geotech 1	3.5-5.0	V	1.25	0.521	0.154	0.367
PTX002 Geotech 1	6.5-8.0	V	1.68	0.381	0.103	0.278
PTX003 Geotech 2	3.5-5.0	V	1.50	0.438	0.121	0.317
PTX004 Geotech 2	5.5-7.0	V	1.75	0.359	0.188	0.171

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids; Vb = Bulk Volume, cc

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R10S41**
SDG: 10064G

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Raymond Chavira**
California Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **CTS Printex February 2010 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: Riz Sarmiento, ITSI
Kristen Carlyon, ITSI

Analyses included in this report:

Volatile Organic Compounds by GC/MS

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10064G
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	04/02/10 15:10
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
MIP-4-4-SG can 7251	1003017-04	Air	02/25/10 16:50	03/05/10 11:45

SDG ID 10064G

Work Order(s)

1003017

.

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10064G
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	04/02/10 15:10
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**1003017-04**								**Air - Sampled: 02/25/10 16:50**
Sample ID:	**MIP-4-4-SG can 7251**								**Volatile Organic Compounds by TO-15**
1,2-Dichlorotetrafluoroethane		ND	U	50	ug/m³ Air	B0C0046	03/08/10	03/09/10	TO-15/SOP311
Chloromethane		ND	U	20	"	"	"	"	TO-15/SOP311
Vinyl chloride		ND	U	20	"	"	"	"	TO-15/SOP311
Bromomethane		ND	U	30	"	"	"	"	TO-15/SOP311
Chloroethane		ND	U	20	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane		ND	U	40	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	Q2, U, J	60	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene		ND	U	30	"	"	"	"	TO-15/SOP311
2-Propanol		50		20	"	"	"	"	TO-15/SOP311
Dichloromethane		ND	U	30	"	"	"	"	TO-15/SOP311
trans-1,2-Dichloroethene		ND	U	30	"	"	"	"	TO-15/SOP311
1,1-Dichloroethane		ND	U	30	"	"	"	"	TO-15/SOP311
cis-1,2-Dichloroethene		ND	U	30	"	"	"	"	TO-15/SOP311
Chloroform		ND	J, Q2, U	40	"	"	"	"	TO-15/SOP311
1,1,1-Trichloroethane		ND	U	40	"	"	"	"	TO-15/SOP311
Carbon tetrachloride		ND	U	50	"	"	"	"	TO-15/SOP311
Benzene		40		20	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane		ND	U	30	"	"	"	"	TO-15/SOP311
Trichloroethene		ND	U	40	"	"	"	"	TO-15/SOP311
1,2-Dichloropropane		ND	U	40	"	"	"	"	TO-15/SOP311
cis-1,3-Dichloropropene		ND	U	30	"	"	"	"	TO-15/SOP311
Toluene		90		30	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene		ND	U	30	"	"	"	"	TO-15/SOP311
1,1,2-Trichloroethane		ND	U	40	"	"	"	"	TO-15/SOP311
Tetrachloroethene		70		50	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)		ND	U	60	"	"	"	"	TO-15/SOP311
Chlorobenzene		ND	U	40	"	"	"	"	TO-15/SOP311
Ethylbenzene		20	C1, J	30	"	"	"	"	TO-15/SOP311
m&p-Xylene		80		70	"	"	"	"	TO-15/SOP311
o-Xylene		30	C1	30	"	"	"	"	TO-15/SOP311
Styrene		ND	U	30	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane		ND	U	50	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene		ND	U	40	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene		20	C1, J	40	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene		ND	U	50	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene		ND	U	50	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene		ND	U	50	"	"	"	"	TO-15/SOP311

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10064G
Project Number:	R10S41	**75 Hawthorne Street**	**Reported:** 04/02/10 15:10
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **1003017-04**									**Air - Sampled: 02/25/10 16:50**
Sample ID: **MIP-4-4-SG can 7251**									**Volatile Organic Compounds by TO-15**
1,2,4-Trichlorobenzene		ND	C4, J, U	60	ug/m³ Air	B0C0046	03/08/10	03/09/10	TO-15/SOP311
Hexachlorobutadiene		ND	C4, J, U	80	"	"	"	"	TO-15/SOP311
Acetaldehyde		400	N TIC, J		"	"	"	"	TO-15/SOP311
Butane, methyl-		300	N TIC, J		"	"	"	"	TO-15/SOP311
Isobutane		300	N TIC, J		"	"	"	"	TO-15/SOP311
Pentane		300	N TIC, J		"	"	"	"	TO-15/SOP311
Propene, hexafluoro-		15,000	N TIC, J		"	"	"	"	TO-15/SOP311
Propene, methyl-		900	N TIC, J		"	"	"	"	TO-15/SOP311
Total hydrocarbon		4,500	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (01)		500	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (02)		800	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (03)		300	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (04)		300	N TIC, J		"	"	"	"	TO-15/SOP311

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Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10064G
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	04/02/10 15:10
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0046 - - General VOA - VOCs, Soil Gas										**Prepared & Analyzed: 03/08/10**
										Volatile Organic Compounds by TO-15 - Quality Control
Blank (B0C0046-BLK1)										
1,2-Dichlorotetrafluoroethane	ND	U	7	ug/m³ Air						
Chloromethane	ND	U	2.1	"						
Vinyl chloride	ND	U	2.6	"						
Bromomethane	ND	U	3.9	"						
Chloroethane	ND	U	2.6	"						
Trichlorofluoromethane	ND	U	5.6	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U, J, Q2	7.7	"						
1,1-Dichloroethene	ND	U	4	"						
2-Propanol	ND	U	2.5	"						
Dichloromethane	ND	U	3.5	"						
trans-1,2-Dichloroethene	ND	U	4	"						
1,1-Dichloroethane	ND	U	4	"						
cis-1,2-Dichloroethene	ND	U	4	"						
Chloroform	ND	U, J, Q2	4.9	"						
1,1,1-Trichloroethane	ND	U	5.5	"						
Carbon tetrachloride	ND	U	6.3	"						
Benzene	ND	U	3.2	"						
1,2-Dichloroethane	ND	U	4	"						
Trichloroethene	ND	U	5.4	"						
1,2-Dichloropropane	ND	U	4.6	"						
cis-1,3-Dichloropropene	ND	U	4.5	"						
Toluene	ND	U	3.8	"						
trans-1,3-Dichloropropene	ND	U	4.5	"						
1,1,2-Trichloroethane	ND	U	5.5	"						
Tetrachloroethene	ND	U	6.8	"						
1,2-Dibromoethane (EDB)	ND	U	7.7	"						
Chlorobenzene	ND	U	4.6	"						
Ethylbenzene	ND	U	4.3	"						
m&p-Xylene	ND	U	8.7	"						
o-Xylene	ND	U	4.3	"						
Styrene	ND	U	4.3	"						
1,1,2,2-Tetrachloroethane	ND	U	6.9	"						
1,3,5-Trimethylbenzene	ND	U	4.9	"						
1,2,4-Trimethylbenzene	ND	U	4.9	"						
1,3-Dichlorobenzene	ND	U	6	"						
1,4-Dichlorobenzene	ND	U	6	"						
1,2-Dichlorobenzene	ND	U	6	"						
1,2,4-Trichlorobenzene	ND	C4, J, U	7.4	"						
Hexachlorobutadiene	ND	C4, J, U	11	"						
LCS (B0C0046-BS1)										

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Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	04/02/10 15:10
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0046 - - General VOA - VOCs, Soil Gas										**Prepared & Analyzed: 03/08/10**
										Volatile Organic Compounds by TO-15 - Quality Control
LCS (B0C0046-BS1)										
1,2-Dichlorotetrafluoroethane	64		7	ug/m³ Air	68.5		93	80.4-132		
Chloromethane	22		2.1	"	22.1		100	57.5-142		
Vinyl chloride	26		2.6	"	28.1		91	75.5-137		
Bromomethane	35		3.9	"	41.9		83	62-151		
Chloroethane	27		2.6	"	28.5		95	77.6-136		
Trichlorofluoromethane	54		5.6	"	61.2		88	79.9-135		
1,1,2-Trichloro-1,2,2-trifluoroethane	60		7.7	"	81.2		**74**	81.8-126		
1,1-Dichloroethene	39		4	"	41.6		93	90-127		
Dichloromethane	35		3.5	"	37.1		94	85.3-119		
1,1-Dichloroethane	40		4	"	43.3		93	90-124		
cis-1,2-Dichloroethene	40		4	"	43.2		92	90-128		
Chloroform	47		4.9	"	52.7		**88**	90-127		
1,1,1-Trichloroethane	52		5.5	"	58.9		88	85.7-130		
Carbon tetrachloride	60		6.3	"	68.5		88	80-133		
Benzene	42		3.2	"	34.8		121	90-128		
1,2-Dichloroethane	57		4	"	43.7		130	90-138		
Trichloroethene	59		5.4	"	58.5		101	88.2-130		
1,2-Dichloropropane	64		4.6	"	49.9		129	88.4-129		
cis-1,3-Dichloropropene	57		4.5	"	49.0		116	78.6-135		
Toluene	46		3.8	"	41.0		111	84.5-131		
trans-1,3-Dichloropropene	61		4.5	"	49.9		122	80.9-133		
1,1,2-Trichloroethane	64		5.5	"	58.9		108	80.6-131		
Tetrachloroethene	69		6.8	"	73.2		95	81.1-130		
1,2-Dibromoethane (EDB)	85		7.7	"	84.4		101	80.8-125		
Chlorobenzene	51		4.6	"	50.1		103	82.5-129		
Ethylbenzene	51		4.3	"	47.3		107	82.5-133		
m&p-Xylene	104		8.7	"	94.6		110	83.7-133		
o-Xylene	52		4.3	"	46.4		111	83-135		
Styrene	47		4.3	"	45.5		102	34.9-129		
1,1,2,2-Tetrachloroethane	81		6.9	"	73.4		110	85-133		
1,3,5-Trimethylbenzene	52		4.9	"	50.6		104	84.9-140		
1,2,4-Trimethylbenzene	51		4.9	"	52.1		98	79.5-135		
1,3-Dichlorobenzene	59		6	"	64.9		91	76.5-136		
1,4-Dichlorobenzene	60		6	"	65.5		91	77.1-136		
1,2-Dichlorobenzene	56		6	"	63.7		88	73.1-140		
1,2,4-Trichlorobenzene	47		7.4	"	77.1		61	41.6-141		
Hexachlorobutadiene	63		11	"	113		56	36.2-121		
Duplicate (B0C0046-DUP2)		**Source: 1003017-04**								
1,2-Dichlorotetrafluoroethane	ND	U	54	ug/m³ Air		ND				20
Chloromethane	ND	U	16	"		ND				20

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Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	04/02/10 15:10
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0046 - - General VOA - VOCs, Soil Gas									**Prepared: 03/08/10 Analyzed: 03/09/10**	
									Volatile Organic Compounds by TO-15 - Quality Control	
Duplicate (B0C0046-DUP2)		**Source: 1003017-04**								
Vinyl chloride	ND	U	20	"		ND				20
Bromomethane	ND	U	30	"		ND				20
Chloroethane	ND	U	20	"		ND				20
Trichlorofluoromethane	ND	U	43	"		ND				20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	Q2, U	59	"		ND				20
1,1-Dichloroethene	ND	U	30	"		ND				20
2-Propanol	56		19	"		52.6			6	20
Dichloromethane	ND	U	27	"		ND				20
trans-1,2-Dichloroethene	ND	U	30	"		ND				20
1,1-Dichloroethane	ND	U	31	"		ND				20
cis-1,2-Dichloroethene	ND	U	30	"		ND				20
Chloroform	ND	Q2, U	37	"		ND				20
1,1,1-Trichloroethane	ND	U	42	"		ND				20
Carbon tetrachloride	ND	U	48	"		ND				20
Benzene	40		24	"		40.3			1	20
1,2-Dichloroethane	ND	U	31	"		ND				20
Trichloroethene	ND	U	41	"		ND				20
1,2-Dichloropropane	ND	U	35	"		ND				20
cis-1,3-Dichloropropene	ND	U	35	"		ND				20
Toluene	88		29	"		89.6			2	20
trans-1,3-Dichloropropene	ND	U	35	"		ND				20
1,1,2-Trichloroethane	ND	U	42	"		ND				20
Tetrachloroethene	71		52	"		70.2			2	20
1,2-Dibromoethane (EDB)	ND	U	59	"		ND				20
Chlorobenzene	ND	U	35	"		ND				20
Ethylbenzene	23	C1, J	33	"		23.7			0.7	20
m&p-Xylene	85		66	"		84.3			1	20
o-Xylene	34		33	"		33.1			2	20
Styrene	ND	U	33	"		ND				20
1,1,2,2-Tetrachloroethane	ND	U	53	"		ND				20
1,3,5-Trimethylbenzene	ND	U	38	"		ND				20
1,2,4-Trimethylbenzene	26	C1, J	38	"		24.6			5	20
1,3-Dichlorobenzene	ND	U	46	"		ND				20
1,4-Dichlorobenzene	ND	U	46	"		ND				20
1,2-Dichlorobenzene	ND	U	46	"		ND				20
1,2,4-Trichlorobenzene	ND	C4, U	57	"		ND				20
Hexachlorobutadiene	ND	C4, U	82	"		ND				20

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Qualifiers and Comments

Q2	The laboratory control standard associated with this sample did not meet recovery criteria for this analyte (see LCS results for this batch in QC summary).
N TIC	Tentatively Idenitified Compound - This compound was identified only by match with mass spectral library. Identification and quantitation should be considered tentative and presumptive.
J	The reported result for this analyte should be considered an estimated value.
C4	The calibration verification check did not meet % difference criteria for this analyte.
C1	The reported concentration for this analyte is below the quantitation limit.
U	Not Detected
NR	Not Reported
RE1, RE2, etc:	Result is from a sample re-analysis.

MIP-1and 17W

Soil gas sample at MIP 4-4

MIP-2

MIP 2

Flood near MIP 3-1

MIP 3-1

MIP 4

MIP 4-4

APPENDIX B

SAMPLING FORMS AND FIELD NOTES

(Monitoring Well Water Level Measurements and Low-Flow Groundwater Purge Logs, Direct Push Technology Boring Log, Field Notes, and Photographs)

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MONITORING WELL WATER LEVEL MEASUREMENT FORM

PROJECT NAME: CTS Printex PROJECT NO.: 07163.0034

MEASURED BY: B. Dee, R. Leong, T. Rula DATE: 01-11-2010

Monitoring Well I.D.	Depth to Water (feet)	Total Well Depth (feet)	Time
23W	5.62	-	0942
22W	5.75	-	0943
33W	5.82	-	0945
34W	6.76	-	0949
20W	5.99	-	0958
19W	5.65	-	0955
17W	8.99	32.39	1002
11W	5.86	-	1013
12W	5.90	-	1014
D2W	5.91	-	1015
14W	8.72	-	1016
13W	9.00	-	1017

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: 11 W
Tested By: TRBD
Date: 1-19-10

Measuring Pt. Description (i.e. TOC): TOC
Static Water Level (ft.): 5.55
Total Well Depth (ft.): 35.35
Sample Depth (ft.): 35.00
Water Level Measurement Method: sounder
Purge Method: Peristaltic pump
Sample Method: peristaltic pump
Time Start Purge: 1145
Field Filtering: N
Time End Purge: 1210
Time Sampled: 1215
Comments: 2" well
PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1145	7.74	1.218	1.9	6.77	16.74	143.3	—		
1150	7.68	1.220	1.2	5.66	16.59	144.8	1.5	8.90	
1155	7.69	1.214	1.4	5.66	16.81	144.0	3.0	8.95	
1200	7.69	1.214	1.2	5.66	17.40	142.0	4.5	10.05	
1205	7.67	1.214	2.0	5.58	17.17	142.4	6.0	11.59	
1210	7.66	1.210	1.8	5.50	17.20	141.8	7.5	14.27	decreased flow rate

TGK

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Sheet 1 of 1

Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: 12W Tested By: TR BD Date: 1-19-10

Measuring Pt. Description (i.e. TOC): TOC Static Water Level (ft.): 5.68

Total Well Depth (ft.): 18.50 Sample Depth (ft.): 15.00

Water Level Measurement Method: solinst

Purge Method: peristaltic pump Sample Method: peristaltic pump

Time Start Purge: 1012 Field Filtering: N

Time End Purge: 1130 Time Sampled: 1135

Comments: 2" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1012	7.01*	1.106	14.4	2.48	15.19	235.5	–	5.70	
1017	9.14*	1.100	17.1	1.30	15.88	234.5	1.5	5.72	
1022	8.81*	1.105	15.6	1.47	15.75	236.6	3.0	5.72	
1027	9.90*	1.104	50.2	2.14	16.04	240.0	4.5	5.70	
1032	9.99*	1.105	36.9	2.70	16.07	242.1	6.0	5.70	
1037	9.99	1.106		2.40	16.03	243.6	7.5	5.70	
stopped purge, *ph probe not working									
1040									
1100	start purge, fix ph probe								
1105	7.04	1.393	2.2	0.67	15.73	150	9.0	5.70	
1110	7.00	1.396	1.5	0.59	15.81	149.2	10.5	5.70	
1115	6.97	1.396	1.2	0.49	15.98	146.1	12.0	5.70	
1120	6.96	1.398	0.7	0.42	16.00	143.9	13.5	5.70	
1125	6.96	1.397	0.3	0.42	16.09	142.4	15.0	5.70	
1130	6.96	1.398	0.1	0.42	16.10	142.1	16.5	5.70	

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: 13W Tested By: TEBD Date: 1-18-10

Measuring Pt. Description (i.e. TOC): TOC Static Water Level (ft.): 9.00

Total Well Depth (ft.): 20.0 Sample Depth (ft.): 15.0

Water Level Measurement Method: Solinst

Purge Method: P. Pump Sample Method: P. Pump

Time Start Purge: 1140 Field Filtering: N

Time End Purge: 1205 Time Sampled: 1207

Comments: PID = 0.0 ppm 2" well

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1145	6.99	1.938	18.7	0.56	17.69	161.2	1.5	9.02	
1150	6.98	1.897	8.3	0.34	17.73	155.5	3.0	9.00	
1155	6.99	1.881	5.0	0.27	17.78	153.1	4.5	9.00	
1200	6.99	1.857	3.5	0.26	18.00	150.2	6.0	9.00	
1205	7.00	1.838	2.6	0.24	18.02	146.9	7.5	9.00	

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Sheet 1 of 1

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: 14W
Tested By: TRBD
Date: 1-18-10

Measuring Pt. Description (i.e. TOC): TOC
Static Water Level (ft.): 8.55
Total Well Depth (ft.): 32.00
Sample Depth (ft.): 30.00
Water Level Measurement Method: Solinst
Purge Method: peristaltic pump
Sample Method: peristaltic pump
Time Start Purge: 1135
Field Filtering: N
Time End Purge: 1220
Time Sampled: 1230
Comments: MS/MSD 2" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1135	8.00	0.999	200	14.65	18.33	95	–	8.65	
1140	7.75	1.054	150	7.40	18.77	-49	1.5	8.70	
1145	7.70	1.058	96.7	6.30	18.85	-63	3.0	8.71	
1150	7.69	1.062	32.9	5.45	18.97	-73	4.5	8.71	
1155	7.63	1.077	8.85	2.99	19.08	-78	6.0	8.71	
1200	7.45	1.100	4.23	2.11	19.14	-23	7.5	8.73	
1205	7.40	1.114	3.61	1.88	19.13	-5	9.0	8.73	
1210	7.35	1.120	2.80	1.10	19.19	15.9	11.5	8.73	
1215	7.34	1.125	2.20	1.06	19.22	18.0	13.0	8.73	
1220	7.34	1.129	2.23	1.05	19.20	20.3	14.5	8.73	

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: 17W
Tested By: BO/RL/TR
Date: 1/12/10

Measuring Pt. Description (i.e. TOC): TOC
Static Water Level (ft.): 8.97
Total Well Depth (ft.): 32.39
Sample Depth (ft.): 26.00
Water Level Measurement Method: Solinst
Purge Method: P. Pump
Sample Method: P. Pump
Time Start Purge: 1415
Field Filtering: N
Time End Purge: 1440
Time Sampled: 1445/1450
Comments: PPM = 0.0 (2" well) Y5QA7/Y5QA8

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1420	7.31	1.572	54.7	2.69	19.16	56.0	1.5	8.98	
1425	7.23	1.578	10.7	1.40	19.13	13.6	3.0	8.97	
1430	7.22	1.581	12.1	1.26	19.14	9.6	4.5	8.97	
1435	7.21	1.579	15.0	1.20	19.13	7.9	6.0	8.97	
1440	7.22	1.579	5.8	1.16	19.12	8.5	7.5	8.97	

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: D7163.0034

Well No.: 19 W Tested By: TK BD Date: 1-13-10

Measuring Pt. Description (i.e. TOC): TOC Static Water Level (ft.): 5.65

Total Well Depth (ft.): 35.55 Sample Depth (ft.): 35.00

Water Level Measurement Method: solinst

Purge Method: p. pump Sample Method: p. pump

Time Start Purge: 940 Field Filtering: N

Time End Purge: 1005 Time Sampled: 1010

Comments: 2" well PID 0.0ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
943	7.50	1.649	16.3	6.08	18.49	118.3	0	6.23	
948	7.44	1.653	14.1	5.44	18.37	119.3	1.5	6.25	
953	7.32	1.651	26.0	2.38	18.48	124.2	3.0	6.28	
958	7.28	1.633	20.1	1.31	18.37	124.4	4.5	6.29	
1004	7.26	1.625	22.5	1.23	18.32	127.3	6.0	6.30	

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163-0034
Well No.: 20W
Tested By: TK BD
Date: 1-13-2010

Measuring Pt. Description (i.e. TOC): TOC
Static Water Level (ft.): 5.96
Total Well Depth (ft.): 14.58
Sample Depth (ft.): 12.00
Water Level Measurement Method: solinst
Purge Method: P. pump
Sample Method: P. pump
Time Start Purge: 905
Field Filtering: N
Time End Purge: 925
Time Sampled: 930
Comments: 2" well PID 0.0ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
908	6.93	1.648	2.0	0.57	17.78	129.3		6.15	
913	6.93	1.646	0.9	0.48	17.73	129.1	1.5	6.15	
918	6.95	1.634	0.9	0.44	17.69	125.7	3.0	6.16	
923	6.95	1.625	0.8	0.44	17.71	123.1	4.5	6.17	

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: 22W
Tested By: TR BD
Date: 1-18-10

Measuring Pt. Description (i.e. TOC): TOC
Static Water Level (ft.): 5.80
Total Well Depth (ft.): 15
Sample Depth (ft.): 15.00
Water Level Measurement Method: solinst
Purge Method: peristaltic pump
Sample Method: peristaltic pump
Time Start Purge: 1030
Field Filtering: N
Time End Purge: 1055
Time Sampled: 1059
Comments: 2" well
PID 0.0ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1030	7.24	1.587	64.8	2.69	18.83	145	0	5.80	
1035	7.25	1.643	40.0	1.85	18.80	143	1.5	5.84	
1040	7.24	1.664	31.9	1.26	19.05	142	3.0	5.86	
1045	7.22	1.684	16.8	0.75	19.25	141.2	4.5	5.87	
1050	7.22	1.691	15.2	0.54	19.30	140.0	6.0	5.88	
1055	7.21	1.694	15.2	0.32	19.20	140.0	7.5	5.89	

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: 23W Tested By: TC-BD Date: 1-18-10

Measuring Pt. Description (i.e. TOC): TOC Static Water Level (ft.): 5.50

Total Well Depth (ft.): 30 Sample Depth (ft.): 30

Water Level Measurement Method: solinst

Purge Method: peristaltic pump Sample Method: peristaltic pump

Time Start Purge: 1028 Field Filtering: N

Time End Purge: 1053 Time Sampled: 1055

Comments: 2" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1028	7.21	1.146	>1000	3.52	18.73	247.3	0	5.50	
1033	7.32	1.155	>1000	1.89	18.77	243	1.5	5.52	
1038	7.35	1.156	>1000	1.74	18.76	241	3.0	5.54	
1043	7.35	1.158	>1000	1.35	18.97	239.1	4.5	5.55	
1048	7.35	1.160	>1000	1.05	19.17	237.3	6.0	5.55	
1053	7.37	1.163	>1000	0.98	19.09	234.6	7.5	5.55	

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: 33W
Tested By: BD/RL
Date: 1/12/10

Measuring Pt. Description (i.e. TOC): TOC
Static Water Level (ft.): 5.81
Total Well Depth (ft.): 16.35
Sample Depth (ft.): 12'
Water Level Measurement Method: Solinst
Purge Method: P. Pump
Sample Method: P. Pump
Time Start Purge: 1053
Field Filtering: N
Time End Purge: 1120
Time Sampled: 1125 (Y5QA2)
Comments: PID = 0.0 ppm (2" well)

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1055	7.19	1.735	20.6	0.95	19.21	124.6	1.5	6.00	
1100	7.17	1.747	7.7	0.46	19.38	117.8	3.0	6.00	
1105	7.18	1.746	5.2	0.39	19.40	116.6	4.5	5.98	
1110	7.17	1.745	5.7	0.41	19.38	112.5	6.0	5.98	
1115	7.17	1.744	4.3	0.36	19.33	110.2	7.5	5.96	
1120	7.17	1.741	3.7	0.37	19.23	108.1	9.0	5.96	Stable

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: 34W
Tested By: SB/RL/TR
Date: 1/12/10

Measuring Pt. Description (i.e. TOC): TOC
Static Water Level (ft.): 6.76
Total Well Depth (ft.): 16.72
Sample Depth (ft.): 15.00
Water Level Measurement Method: Solinst
Purge Method: P. Pump.
Sample Method: P. Pump
Time Start Purge: 1330
Field Filtering: N
Time End Purge: 1355
Time Sampled: 1400
Comments: PID = 0.0 ppm (2" well) YSQAS

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1335	7.08	1.711	45.4	0.90	18.61	100.7	1.5	6.78	
1340	7.02	1.700	15.3	0.61	18.59	98.9	3.0	6.77	
1345	7.01	1.692	7.7	0.53	18.55	99.8	4.5	6.77	
1350	7.01	1.668	3.0	0.47	18.61	100.0	6.0	6.78	
1355	7.00	1.635	1.5	0.40	18.50	100.5	7.5	6.78	

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: D2W
Tested By: TR BD
Date: 1-19-10

Measuring Pt. Description (i.e. TOC): TOC
Static Water Level (ft.): 5.65
Total Well Depth (ft.): 64.40
Sample Depth (ft.): 60.00
Water Level Measurement Method: solinst
Purge Method: peristaltic pump
Sample Method: Peristaltic pump
Time Start Purge: 1015
Field Filtering: N
Time End Purge: 1040
Time Sampled: 1057
Comments: 2" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1015	10.17	0.210	38.4	8.55	17.64	61.1	–	6.10	
1020	10.28	0.217	32.0	8.28	17.80	59.2	1.5	6.22	
1025	10.44	0.237	29.7	7.24	17.91	53.7	3.0	6.25	
1030	10.58	0.260	24.4	6.22	17.98	49.6	4.5	6.30	
1035	10.59	0.262	22.3	6.06	18.00	48.8	6.0	6.31	
1040	10.56	0.269	20.3	5.59	18.03	46.2	7.5	6.31	
1057	sample								

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: TW1-51 Tested By: TRBD Date: 1-14-10

Measuring Pt. Description (i.e. TOC): — Static Water Level (ft.): 5.75

Total Well Depth (ft.): 20.00 Sample Depth (ft.): 15.00

Water Level Measurement Method: Solinst

Purge Method: peristaltic pump Sample Method: peristaltic pump

Time Start Purge: 1250 Field Filtering: N

Time End Purge: 1310 Time Sampled: 1317

Comments: temporary 1" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1250	7.92	1.099	>1000	1.67	18.74	22.6		—	
1255	7.55	1.093	200	0.44	19.00	-107		—	
1300	7.43	1.089	34.8	0.37	18.91	-114		—	
1305	7.40	1.092	20.6	0.35	18.86	-116		—	
1310	7.44	1.093	19.2	0.33	18.81	-111		—	
~~1315~~			~~TBR~~					~~—~~	
						TR			

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Sheet 1 of 1

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: TW1-D1
Tested By: TCBD
Date: 1-14-10

Measuring Pt. Description (i.e. TOC): —
Static Water Level (ft.): 5.55
Total Well Depth (ft.): 40.00
Sample Depth (ft.): 35.00
Water Level Measurement Method: solinst
Purge Method: peristaltic pump
Sample Method: peristaltic pump
Time Start Purge: 1255
Field Filtering: N
Time End Purge: 1315
Time Sampled: 1320
Comments: temporary well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1255	7.51	1.433	1231	4.27	19.55	-140		—	
1300	7.40	1.427	1205	3.20	19.66	-141	1.5	—	
1305	7.35	1.425	1245	3.28	19.54	-144	3.0	—	
1310	7.34	1.435	1244	2.90	19.48	-159	4.5	—	
1315	7.34	1.434	1246	2.00	19.60	-167	6.0	—	

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: TW2-S1 Tested By: TR BD Date: 1-13-10

Measuring Pt. Description (i.e. TOC): — Static Water Level (ft.): 6.18

Total Well Depth (ft.): 17.00 Sample Depth (ft.): 15.00

Water Level Measurement Method: solinst

Purge Method: p. pump Sample Method: p. pump

Time Start Purge: 1026 Field Filtering: N

Time End Purge: 1039 Time Sampled: 1123

Comments: temporary 1" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1030	7.28	1.597	270.4	1.60	17.99	-48.8		6.18	
1035	7.29	1.597	107.2	0.93	18.08	-85.3	1.5	—	
1039	dewatered, purge dry							—	

TR

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: TW2-S2 Tested By: TRBD Date: 1-13-10

Measuring Pt. Description (i.e. TOC): — Static Water Level (ft.): 5.80

Total Well Depth (ft.): 20.00 Sample Depth (ft.): 15.00

Water Level Measurement Method: solinst

Purge Method: P. Pump Sample Method: P. Pump

Time Start Purge: 1140 Field Filtering: N

Time End Purge: 1208 Time Sampled: 1212

Comments: temporary 1" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1143	7.04	1.462	600	3.15	19.53	-226	0	—	
1148	6.97	1.454	1240	1.41	19.03	-197	1.5	—	
1153	6.94	1.450	1235	0.74	18.53	-160	3.0	—	
1158	6.93	1.448	1232	0.47	18.26	-129	4.5	—	
1203	6.93	1.450	1231	0.39	18.05	-142	6.0	—	
1208	6.93	1.449	1230	0.34	18.00	-147	7.5	—	

TR

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: TW2-S3 Tested By: TRBD Date: 1-13-10

Measuring Pt. Description (i.e. TOC): – Static Water Level (ft.): 6.90

Total Well Depth (ft.): 15.00 Sample Depth (ft.): 15.00

Water Level Measurement Method: solinst

Purge Method: p. pump Sample Method: p pump

Time Start Purge: 1305 Field Filtering: N

Time End Purge: 1340 Time Sampled: 1350

Comments: temporary 1" well PID 0.0ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1307	7.31	1.349	149.9	1.00	18.04	-414	0	–	
1312	7.09	1.399	1236.2	0.65	18.58	-274	1.5	–	
1317	7.05	1.402	58.9	0.97	18.95	-191	3.0	–	
1322	7.05	1.400	35.5	5.33	18.99	-168	4.5	–	
1327	7.03	1.408	36.0	6.40	19.03	-51.2	6.0	–	
1332	7.04	1.408	38.7	6.28	19.06	-38.9	7.5	–	
1337	7.04	1.407	33.7	6.60	19.03	-30.9	9.0	–	

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: TW2-D1
Tested By: TKBD
Date: 1-13-10

Measuring Pt. Description (i.e. TOC): –
Static Water Level (ft.): 25.40
Total Well Depth (ft.): 39.00
Sample Depth (ft.): 35.00
Water Level Measurement Method: solinst
Purge Method: P. pump
Sample Method: P. pump
Time Start Purge: 1045
Field Filtering: N
Time End Purge: 1112
Time Sampled: 1115
Comments: temporary 1" well PID 0.0ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1048	7.38	1.926	127	1.90	19.50	-150	0	–	
1053	7.41	1.884	801	0.90	19.75	-226	1.5	–	
1058	7.39	1.819	1248	0.50	19.85	-355	3.0	–	
1102	7.39	1.806	1249	0.34	19.97	-411	4.5	–	
1107	7.39	1.805	1250	0.32	20.09	-421	6.0	–	
1112	7.39	1.803	1252	0.36	20.30	-430	7.5	–	

TKB

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: TW2-D2 Tested By: TRBD Date: 1-13-10

Measuring Pt. Description (i.e. TOC): — Static Water Level (ft.): 6.00

Total Well Depth (ft.): 39.50 Sample Depth (ft.): 34.50

Water Level Measurement Method: solinst

Purge Method: P. pump Sample Method: P. pump

Time Start Purge: 1128 Field Filtering: N

Time End Purge: 1150 Time Sampled: 1155

Comments: temporary 1" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1130	7.63	1.367	>1000	1.33	19.98	-143	0	—	
1135	7.55	1.360	>1000	0.22	19.44	-199	1.5	—	
1140	7.54	1.348	>1000	0.23	19.40	-247	3.0	—	
1145	7.52	1.350	>1000	0.23	19.20	-272	4.5	—	
1150	7.50	1.354	>1000	0.36	19.12	-279	6.0	—	
					TR				

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163-0034

Well No.: TW2-D3 Tested By: TRBD Date: 1-13-10

Measuring Pt. Description (i.e. TOC): — Static Water Level (ft.): 7.25

Total Well Depth (ft.): 36.50 Sample Depth (ft.): 36.00

Water Level Measurement Method: solinst

Purge Method: P. pump Sample Method: P pump

Time Start Purge: 1330 Field Filtering: N

Time End Purge: 1352 Time Sampled: 1357

Comments: temporary well 1" PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1332	7.98	0.904	>1000	0.53	19.88	-164	0	—	
1337	7.85	0.898	>1000	0.44	19.41	-181	1.5	—	
1342	7.80	0.895	>1000	0.22	19.23	-180	3.0	—	
1347	7.76	0.889	>1000	0.18	19.15	-170	4.5	—	
1352	7.75	0.890	>1000	0.19	19.13	-170	6.0	—	

TRB

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: TW3-S1
Tested By: TK BD
Date: 1-14-10

Measuring Pt. Description (i.e. TOC): —
Static Water Level (ft.): 6.40
Total Well Depth (ft.): 20.00
Sample Depth (ft.): 15.00
Water Level Measurement Method: solinst
Purge Method: peristaltic pump
Sample Method: peristaltic pump
Time Start Purge: 1050
Field Filtering: N
Time End Purge: 1110
Time Sampled: 1113 / Dup 4/W 1115
Comments: temporary well 1" PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1050	7.66	1.128	>1000	0.71	19.33	-170		—	
1055	7.34	1.148	>1000	0.47	19.68	-350	1.5	—	
1100	7.32	1.145	558	0.44	19.69	-357	3.0	—	
1105	7.31	1.151	344	0.38	19.93	-330	4.5	—	
1110	7.31	1.152	382	0.34	20.00	-332	6.0	—	

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: TW3-52 Tested By: TRBD Date: 1-13-10

Measuring Pt. Description (i.e. TOC): — Static Water Level (ft.): 6.01

Total Well Depth (ft.): 19.00 Sample Depth (ft.): 15.00

Water Level Measurement Method: solinst

Purge Method: p pump Sample Method: p. pump

Time Start Purge: 1430 Field Filtering: N

Time End Purge: 1453 Time Sampled: 1457

Comments: temporary 1" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1432	7.18	1.463	659.2	1.14	19.63	-397.2	0	—	
1437	7.06	1.460	1193.4	0.39	19.78	-437.1	1.5	—	
1442	7.02	1.448	1245.3	0.33	19.65	-433.0	3.0	—	
1447	7.02	1.440	1244.5	0.28	19.49	-415.3	4.5	—	
1452	7.02	1.439	1242.1	0.25	19.25	-418.9	6.0	—	

TR

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Sheet 1 of 1

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: TW3-5.3
Tested By: TRBD
Date: 1-14-10

Measuring Pt. Description (i.e. TOC): —
Static Water Level (ft.): 6.32
Total Well Depth (ft.): 20.00
Sample Depth (ft.): 15.00
Water Level Measurement Method: solinst
Purge Method: peristaltic pump
Sample Method: peristaltic pump
Time Start Purge: 908
Field Filtering: N
Time End Purge: 933
Time Sampled: 938
Comments: temporary well 1" PID 0.0ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
908	7.58	1.456	1227	1.34	17.69	-108		—	
913	7.20	1.462	1230	0.60	17.89	-248	1.5	—	
918	7.18	1.461	1180	0.52	17.91	-285	3.0	—	
923	7.15	1.460	1230	0.33	17.92	-350	4.5	—	
928	7.12	1.457	1231	0.28	17.99	-370	6.0	—	
933	7.09	1.453	1230	0.24	17.97	-347	7.5	—	
				TR					

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: TW3-D1
Tested By: TRBD
Date: 1-14-10

Measuring Pt. Description (i.e. TOC): —
Static Water Level (ft.): 6.50
Total Well Depth (ft.): 40.00
Sample Depth (ft.): 35.00
Water Level Measurement Method: solinst
Purge Method: peristaltic pump
Sample Method: peristaltic pump
Time Start Purge: 1335
Field Filtering: N
Time End Purge: 1400
Time Sampled: 1405
Comments: temporary 1" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1335	7.23	1.580	1258	0.79	20.99	-262		—	
1340	7.20	1.581	1257	0.54	20.84	-316.2	1.5	—	
1345	7.16	1.582	1254	0.34	20.54	-345.9	3.0	—	
1350	7.16	1.579	1157	0.30	20.37	-343.1	4.5	—	
1355	7.16	1.578	861	0.27	20.12	-340.6	6.0	—	
1400	7.12	1.583	795.2	0.26	19.93	-333.4	7.5	—	

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Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: TW3-D2 Tested By: TR BD Date: 1-14-10

Measuring Pt. Description (i.e. TOC): — Static Water Level (ft.): 6.40

Total Well Depth (ft.): 40.00 Sample Depth (ft.): 35.00

Water Level Measurement Method: solinst

Purge Method: peristaltic pump Sample Method: peristaltic pump

Time Start Purge: 1005 Field Filtering: N

Time End Purge: 1025 Time Sampled: 1029

Comments: temporary well 1" PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1005	7.75	0.925	48.9	2.12	18.92	-142		—	
1010	7.69	0.905	49.3	1.37	18.86	-154	1.5	—	
1015	7.63	0.875	980.4	0.69	18.76	-160	3.0	—	
1020	7.60	0.863	460.1	0.42	18.71	-163	4.5	—	
1025	7.58	0.860	407.2	0.39	18.64	-160	6.0	—	

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: TW3-D3 Tested By: TR BD Date: 1-14-10

Measuring Pt. Description (i.e. TOC): — Static Water Level (ft.): 27.55

Total Well Depth (ft.): 40.00 Sample Depth (ft.): 3.5

Water Level Measurement Method: solinst

Purge Method: peristaltic pump Sample Method: peristaltic pump

Time Start Purge: 910 Field Filtering: N

Time End Purge: 930 Time Sampled: 950

Comments: temporary 1" well PID 0.0ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
910	7.55	1.218	>1000	1.75	18.42	-130		—	
915	7.53	1.218	>1000	1.72	18.51	-128	1.5	—	
920	7.57	1.212	>1000	2.24	18.00	-92	3.0	—	
925	7.57	1.211	>1000	2.18	17.97	-103	4.5	—	
930	dewatered								
950	sample.								

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: TW4-S1
Tested By: TRBD
Date: 1-15-10

Measuring Pt. Description (i.e. TOC): —
Static Water Level (ft.): 7.90
Total Well Depth (ft.): 20.00
Sample Depth (ft.): 15.00
Water Level Measurement Method: solinst
Purge Method: peristaltic pump
Sample Method: peristaltic pump
Time Start Purge: 0853
Field Filtering: N
Time End Purge: 0920
Time Sampled: 0923 YSQC9
Comments: temporary 1" well PID 0.0ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
0855	7.25	1.758	1225	1.98	17.39	-93	1.5	—	
0900	7.21	1.785	1229	0.67	17.82	-161	3.0	—	
0905	7.20	1.785	1228	0.51	17.64	-188.8	4.5	—	
0910	7.19	1.788	1229	0.45	17.77	-203.1	6.0	—	
0915	7.19	1.788	1164	0.37	17.85	-219.9	7.5	—	
0920	7.20	1.789	1005	0.32	17.88	-225.0	9.0	—	

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: TW4-52
Tested By: AB/TR
Date: 1/15/10

Measuring Pt. Description (i.e. TOC): TOC
Static Water Level (ft.): 5.66
Total Well Depth (ft.): 20
Sample Depth (ft.): 15
Water Level Measurement Method: Solinst
Purge Method: P. Pump
Sample Method: peristaltic pump
Time Start Purge: 1010
Field Filtering: N
Time End Purge: ~~1038~~ TR 1036
Time Sampled: 1038
Comments: PID = 0.0 ppm temporary 1" well MS/MSD

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1015	7.48	1.463	>1000	1.73	18.91	-34.0	1.5	—	
1020	7.36	1.473	>1000	0.60	19.36	-93.9	3.0	—	
1025	7.33	1.475	>1000	0.44	19.48	-86.7	4.5	—	
1030	7.28	1.476	>1000	0.39	19.51	-80.0	6.0	—	
1035	7.26	1.477	>1000	0.45	19.58	-70.6	7.5	—	

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: TW4-53
Tested By: TK BD
Date: 1-15-10

Measuring Pt. Description (i.e. TOC): —
Static Water Level (ft.): 6.15
Total Well Depth (ft.): 20.00
Sample Depth (ft.): 15.00
Water Level Measurement Method: solinst
Purge Method: peristaltic pump
Sample Method: ~~p~~ pump
Time Start Purge: 1128
Field Filtering: N
Time End Purge: 1148
Time Sampled: 1153
Comments: temporary 1" well PID 0.0 ppm

DUP 42W 1155

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1128	7.16	1.833	1247	0.88	19.75	-422		—	
1133	7.04	1.840	1247	0.35	19.76	-406	1.5	—	
1138	7.02	1.830	1230	0.27	19.75	-360	3.0	—	
1143	7.01	1.835	1228	0.25	19.75	-343	4.5	—	
1148	6.99	1.833	1150	0.25	19.75	-327	6.0	—	

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Sheet 1 of 1

Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: TW4-D1 Tested By: TRBD Date: 1-15-10

Measuring Pt. Description (i.e. TOC): — Static Water Level (ft.): 6.21

Total Well Depth (ft.): 40.00 Sample Depth (ft.): 35.00

Water Level Measurement Method: Solinst

Purge Method: peristaltic pump Sample Method: peristaltic pump

Time Start Purge: 0855 Field Filtering: N

Time End Purge: 0925 Time Sampled: 0927 YSQDO

Comments: temporary well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
0900	7.30	1.261	>1000	0.79	20.59	-57.5	1.5	—	
0905	7.42	1.268	>1000	0.52	20.26	-203.2	3.0	—	
0910	7.37	1.265	>1000	0.37	20.10	-237.0	4.5	—	
0915	7.35	1.265	>1000	0.30	19.94	-254.0	6.0	—	
0920	7.38	1.265	>1000	0.29	19.89	-253.6	7.5	—	
0925	7.34	1.265	>1000	0.27	19.87	-252.1	9.0	—	

TRB

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex
Project No.: 07163.0034
Well No.: TW4-D2
Tested By: SA/TR
Date: 1/15/10

Measuring Pt. Description (i.e. TOC): TOC
Static Water Level (ft.): 6.50
Total Well Depth (ft.): 40
Sample Depth (ft.): 35
Water Level Measurement Method: Solinst
Purge Method: P. pump
Sample Method: P. pump
Time Start Purge: 1013
Field Filtering: N
Time End Purge: 1048
Time Sampled: 1055
Comments: PID = 0.0 ppm. temporary well 1"

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1018	7.46	1.815	1239	0.65	18.91	-333.0	1.5	—	
1023	7.43	1.811	1150	0.46	18.93	-345.1	3.0	—	
1028	7.42	1.807	1240	0.31	18.95	-355	4.5	—	
1033	7.41	1.804	1239	0.26	18.87	-353.0	6.0	—	
1038	7.41	1.806	1000	0.21	18.90	-344	7.5	—	
1043	7.40	1.805	800	0.21	18.87	-343	9.0	—	
1048	7.41	1.804	800	0.21	18.86	-341	11.5	—	

Innovative Technical Solutions, Inc.

Low-Flow Groundwater Purge Log

Project Name: CTS Printex Project No.: 07163.0034

Well No.: TW4-D3 Tested By: TR BD Date: 1-15-10

Measuring Pt. Description (i.e. TOC): — Static Water Level (ft.): 5.90

Total Well Depth (ft.): 40.00 Sample Depth (ft.): 35.00

Water Level Measurement Method: solinst

Purge Method: peristaltic pump Sample Method: peristaltic pump

Time Start Purge: 1123 Field Filtering: N

Time End Purge: 1148 Time Sampled: 1157

Comments: temporary 1" well PID 0.0 ppm

Time	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°C)	ORP (mV)	Volume Pumped (L)	Depth to Water (ft.)	Comments
1123	7.69	1.374	>1000	0.61	20.14	-171		—	
1128	7.58	1.370	>1000	0.26	20.21	-356	1.5	—	
1133	7.54	1.370	>1000	0.20	20.14	-394	3.0 ~~TR~~	—	
1138	7.49	1.367	>1000	0.15	20.15	-417	4.5	—	
1143	7.48	1.368	>1000	0.14	20.11	-420	6.0	—	
1148	7.47	1.368	>1000	0.13	19.99	-421	7.5	—	

Innovative Technical Solutions, Inc.

MONITORING WELL PURGE AND SAMPLE FORM

PROJECT NAME: CTS PRINTEX PROJECT NO.: 07163.0034

WELL NO.: 7W TESTED BY: RLEONG & TRUHA DATE: 02/24/2010

Measuring Point Description: TOC Static Water Level (ft.): 8.65

Total Well Depth (ft.) 13.70 Sample Method: PERISTALTIC

Water Level Measurement Method: SOLINST Time Sampled: 12:30

Purge Method: PERISTALTIC Sample Depth (ft.): 13.0'

Time Start Purge: 11:50 Field Filtering: NO

Time End Purge: 12:24 Field Preservation: ~~HCl~~

Comments pH is less than 6.4 based on paper test (761B9) primary (761B10) Dup @ 12:40

Well Volume Calculation (fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Casing Diameter (in) 2: 0.16	4: 0.64	6: 1.44	=	Casing Volume (gal)

Time	11:54	11:59	12:04	12:09	12:14	12:19	12:24
Volume Purged (gals)							
Cumulative ~~Volume Purged~~ (gals) DTW	--	8.90	8.94	8.98	8.98	8.98	9.00
Cumulative ~~Number of Casing~~ Volumes (l)	0.4	0.6	0.8	1.0	1.2	1.4	1.6
Purge Rate ~~(gpm)~~ (l/m)	0.400	0.200	0.200	0.200	0.200	0.200	0.200
Temperature (F°/C°)	16.7	16.64	16.28	16.38	16.45	16.52	16.55
pH *	-0.45	-1.13	-3.39	-3.57	-3.35	-3.68	-3.50
Specific Conductivity (mS/cm)	0.292	0.326	0.852	1.185	1.222	1.249	1.264
Dissolved Oxygen (mg/L)	3.49	4.52	4.37	2.82	2.55	2.40	2.31
Turbidity (NTU)	<50	<50	<50	<50	<50	<50	<50
ORP (mV)	268.3	286.8	314.7	334.1	346.2	355.4	369.0
Odor	NO	NO	NO	NO	NO	NO	NO
Dewatered?	NO	NO	NO	NO	NO	NO	NO

bad pH probe

Innovative Technical Solutions, Inc.

MONITORING WELL PURGE AND SAMPLE FORM

PROJECT NAME: CTS PRINTEX PROJECT NO.: 07163.0034

WELL NO.: 8W TESTED BY: RL. TR. DATE: 02/24/2010

Measuring Point Description: TOC Static Water Level (ft.): 8.70

Total Well Depth (ft.) 39.15 Sample Method: Peristaltic

Water Level Measurement Method: Solinst Time Sampled: 11:26

Purge Method: Peristaltic Sample Depth (ft.): 35.0'

Time Start Purge: 11:00 Field Filtering: No

Time End Purge: 11:23 Field Preservation: HCL

Comments (Y6137) sample ID took MS/MSD

Well Volume Calculation (fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Casing Diameter (in) 2: 0.16	4: 0.64	6: 1.44	=	Casing Volume (gal)
	39.15	-	8.70	=	30.45	x				=	4.872

Time	11:01	11.06	11.11	11.16	11.21		
Volume Purged (~~gals~~) lt	0.40	2.40	4.40	6.40	8.40		
Cumulative Volume Purged (~~gals~~) lt							
Cumulative Number of Casing Volumes							
Purge Rate (~~gpm~~) l/min	0.400	.400	.400	.400	.400		
Temperature (F°/C°)	17.30	17.80	18.10	18.17	18.17		
pH *	3.67	4.05	5.23	5.39	6.36		
Specific Conductivity (mS/cm)	0.234	0.172	0.168	0.168	0.170		
Dissolved Oxygen (mg/L)	4.73	4.20	3.47	3.37	3.39		
Turbidity (NTU)	clear	clear	clear	clear	clear		
ORP (mV)	114.3	115.7	115.0	115.4	114.		
Odor	No	N	N	N	N		
Dewatered?	No	N	N	N	N		

Bad probe

Innovative Technical Solutions, Inc.

MONITORING WELL PURGE AND SAMPLE FORM

PROJECT NAME: CTS PRINTEX PROJECT NO.: 07163.0033

WELL NO.: 21W TESTED BY: RL & TR DATE: 02/24/2010

Measuring Point Description: TOC Static Water Level (ft.): 7.40

Total Well Depth (ft.) 21.40 Sample Method: PERISTALTIC

Water Level Measurement Method: Solinst. Time Sampled: 14:00

Purge Method: PERISTALTIC Sample Depth (ft.): 18.0'

Time Start Purge: 13:30 Field Filtering: NO

Time End Purge: 13:55 Field Preservation: NO

Comments YGLCI

Well Volume Calculation (fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Casing Diameter (in) 2: 0.16	4: 0.64	6: 1.44	=	Casing Volume (gal)

Time	13:35	13:40	13:45	13:50	13:55		
Volume Purged ~~(gals)~~ l	1	1	1	1	1		
Cumulative Volume Purged ~~(gals)~~ lt.	1	2	3	4	5		
Cumulative ~~Number of Casing Volumes~~ Depth to water	7.97	7.96	7.96	7.96	7.96		
Purge Rate ~~(gpm)~~ lt/min	0.200	0.200	0.200	0.200	0.200		
Temperature (F°/C°)	18.33	18.86	18.93	18.99	19.04		
pH *	5.98	4.87	4.77	4.70	4.58		
Specific Conductivity (mS/cm)	1.300	1.295	1.294	1.290	1.286		
Dissolved Oxygen (mg/L)	5.09	4.39	3.37	3.03	2.89		
Turbidity (NTU)	<50	<50	<50	<50	<50		
ORP (mV)	220.9	253.4	269.7	271.4	267.7		
Odor	NO	NO	NO	NO	NO		
Dewatered?	NO	NO	NO	NO	NO		

* pH probe suspected to be mal-functioning. did not calibrate against standards.

Innovative Technical Solutions, Inc.

Sheet 1 of 1

MONITORING WELL PURGE AND SAMPLE FORM

PROJECT NAME: CTS PRINTEX PROJECT NO.: 07163.0033

WELL NO.: 25W TESTED BY: RL & TR DATE: 02/24/2010

Measuring Point Description: TOC Static Water Level (ft.): 5.12

Total Well Depth (ft.) 23.0' Sample Method: PERISTALTIC

Water Level Measurement Method: SOLINST Time Sampled: 1445

Purge Method: PERISTALTIC Sample Depth (ft.): 20.0'

Time Start Purge: 14:25 Field Filtering: NO

Time End Purge: 14:42 Field Preservation: NO

Comments Y61C2

Well Volume Calculation (fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Casing Diameter (in) 2: 0.16	4: 0.64	6: 1.44	=	Casing Volume (gal)

Time	14:25	14:30	14:35	14:40			
Volume Purged (~~gals~~) lt	Ø	1	1	1			
Cumulative Volume Purged (~~gals~~) lt	Ø	1	2	3			
Depth to water → Cumulative ~~Number of Casing Volumes~~	5.12	5.20	5.20	5.20			
Purge Rate (~~gpm~~) lt/min	0.200	0.200	0.200	0.200			
Temperature (F°/C°)	18.65	18.51	18.60	18.65			
pH *	4.38	4.46	4.50	4.59			
Specific Conductivity (mS/cm)	1.129	1.111	1.107	1.105			
Dissolved Oxygen (mg/L)	2.16	1.45	1.12	1.11			
Turbidity (NTU)	<50	<50	<50	<50			
ORP (mV)	328.5	322.7	327.0	329.3			
Odor	NO	NO	N	N			
Dewatered?	NO	NO	N	N			

* pH probe not functioning properly

Innovative Technical Solutions, Inc.

MONITORING WELL PURGE AND SAMPLE FORM

PROJECT NAME: CTS Printex PROJECT NO.: 07163.0033

WELL NO.: TW5-S1 TESTED BY: R Leary DATE: 02/25/2010

Measuring Point Description: ~~BL~~ Static Water Level (ft.): 8.10'

Total Well Depth (ft.) ~~20'~~ 19.73 Sample Method: Peristaltic

Water Level Measurement Method: Time Sampled: 10:00

Purge Method: Peristaltic Sample Depth (ft.): 18'

Time Start Purge: 9:25 Field Filtering: No

Time End Purge: 9:50 Field Preservation: ~~No~~ HCl

Comments Temporary 1-inch PVC casing with 5-foot screen (YGIC4)

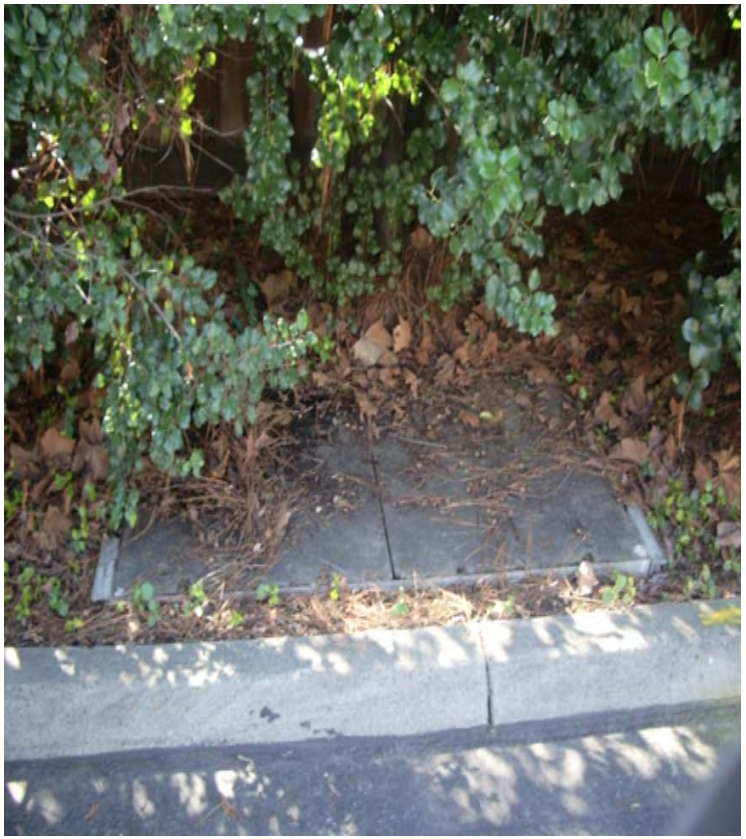
Well Volume Calculation (fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Casing Diameter (in) 2: 0.16 / 4: 0.64 / 6: 1.44	=	Casing Volume (gal)

Time	9:30	9:35	9:40	9:45	9:50		
Volume Purged (~~gals~~ lt)	2.0	1.0	1.0	1.0	1.0		
Cumulative Volume Purged (~~gals~~ lt.)	2.0	3.0	4.0	5.0	6.0		
~~Cumulative Number of Casing Volumes~~ NM	NM						
Purge Rate (~~gpm~~ lpm)	0.400	0.200	0.200	0.200	0.200		
Temperature (F/C°)	19.43	19.53	19.50	19.51	19.54		
pH *	3.15	3.59	3.57	3.59	3.59		
Specific Conductivity (mS/cm)	1.156	1.152	1.151	1.153	1.149		
Dissolved Oxygen (mg/L)	3.80	2.83	2.99	2.63	2.59		
Turbidity (NTU)	>1,000	>1,000	>1,000	>1,000	>1,000		
ORP (mV)	-81.2	-74.5	-69.1	-71.0	-73.4		
Odor	None	None	None	None	None		
Dewatered?	Yes	No	No	No	No		

pH sensor not functioning based reading

reduce flow to 0.200 lt per min

17W



25W

Low-flow sampling at 11W and 12W

TW5-S1

Project CTS Printex

Project Number 07163.0034

Location Mountain View CA

Surface Elevation NM

Logged By R LEONG

Date Drilled 01/13/2010

Total Depth 40'

Boring Diameter 2"

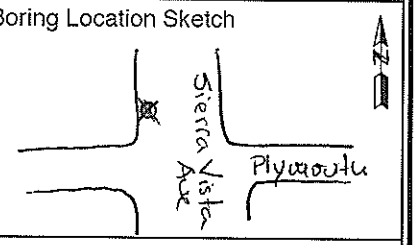
Drillers Vironex

Method Direct Push Tech.

Boring No. TW2-D1

Sheet 1 Of 2

Boring Location Sketch



Depth (Feet)	Sample Interval	Recovery ~~Blow Counts~~	PID (ppm) B-zone/stem/sample	Water Level	Well Construction	Lithology / USCS	DESCRIPTION
							Asphalt / Agregate Base Rock
		3/5	0			CL	CLAY, pale brown (10YR 6/3), trace fine and subrounded gravel, presence of iron oxides, stiff, damp, no odor
5		5/5	0	▽		GW	Gravelly SAND, light olive brown (2.5Y 5/3), subangular gravel to 1" size, medium-coarse sand, dense, moist to wet, no odor
10		5/5	0			CL	silty CLAY, yellowish brown (10YR 5/4), medium stiff, wet, no odor
15		5/5	0			CL	Sandy CLAY, greenish gray (GLEY1 4/1) fine sand trace of fine gravel, medium stiff, wet, no odor
						SC	grades to fine sand
20		5/5	0			CL	CLAY, light greenish gray, hard, wet, no odor
25		5/5	0				- soft at 28' - trace fine sand
30							

Casing Diameter 1-inch Casing Length 30 From 0 To 30'

Screen Size 0.01 Screen Length 10 From 30' To 40'

Sand Type None From — To —

Bentonite Type None From — To —

Cement/Grout 40 From 0 To 40

Surface Completion Asphalt patch

Removed temporary PVC after sampling GW

Innovative Technical Solutions, Inc.

Project: CTS Printex
Project Number: 07163.0034
Location: Mountain View
Surface Elevation: NA

Logged By: R Leong
Date Drilled: 01/13/10
Total Depth: 40'
Boring Diameter: 2"
Drillers: Vironex
Method: DPT

Boring No. TW2-D1
Sheet 2 Of 2

Boring Location Sketch

See page 1 of 2

Depth (Feet)	Sample Interval	~~Blow Counts~~ Recovery	PID (ppm) B-zone/stem/sample	Water Level	Well Construction	Lithology / USCS	DESCRIPTION
						SC	clayey SAND, dark greenish gray, dense, wet, no odor
		5/5	0			CL	CLAY light gray, medium stiff, no odor
35						SC	clayey SAND with fine gravel, iron oxides, dense, wet dark gray fine sand at bottom of 35'
		5/5	0			CL	sandy CLAY, greenish gray fine sand, stiff, wet, no odor
							6-inch clayey sand (interbedded)
40							End of boring @ 40' bgs.
							1-inch temporary P.V.C.
45							
50							
55							
60							

Casing Diameter: 1 inch — Casing Length: 30' — From 0 To 30
Screen Size: 0.010 — Screen Length: 10' — From 30 To 40
Sand Type: None — From N/A To N/A
Bentonite Type: None — From N/A To N/A
Cement/Grout: 40 — From 0 To 40
Surface Completion:

Backfill after sampling

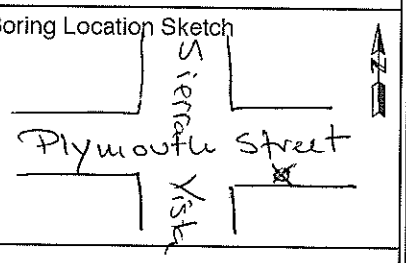
Innovative Technical Solutions, Inc.

Project CTS Printex
Project Number 07163.0034
Location Mountain View
Surface Elevation N/A

Logged By R Leong
Date Drilled 01/13/2010
Total Depth 20'
Boring Diameter 2"
Drillers Vironex
Method Direct Push

Boring No. TW3-~~S~~2
Sheet 1 Of 1

Boring Location Sketch



Depth (Feet)	Sample Interval	~~Blow Counts~~ Recovery	PID (ppm) B-zone/stem/sample	Water Level	Well Construction	Lithology / USCS	DESCRIPTION
							ASPHALT AGREGATE BASE ROCK
		4/5	0			CL	CLAY, light brown, hard, damp, no odor
5							
		4.5/5	0			SW	gravelly SAND, dark brown, dense, moist, no odor
						CL	sandy CLAY, light brown, soft to medium stiff, moist, no odor
10				▽			
		5/5	0			GC	clayey SAND, light greenish gray, poorly graded sand, medium dense, wet, no odor - fine gravel @ 14'
15						CL	clay
							clayey SAND, dark greenish gray, dense wet, no odor grades to sand and gravel @ 20'
20							End of drilling, very tough to drill through, damaged the shoe tip.
25							
30							

Temporary 1-inch PVC casing well for sampling ground water

Casing Diameter 1-inch — Casing Length 10' — From 0 To 10
Screen Size 0.01 — Screen Length 10 — From 10 To 20
Sand Type None — From N/A To N/A
Bentonite Type None — From — To —
Cement/Grout 20 — From 0 To 20
Surface Completion Asphalt patch

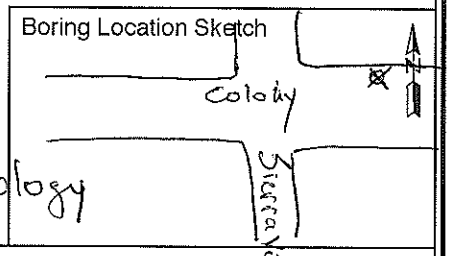
ITSI Innovative Technical Solutions, Inc.

Project: CTS Printex
Project Number: 07163.0034
Location: Mountain View
Surface Elevation: N/A

Logged By: R Leong
Date Drilled: 01/14/2010
Total Depth: 40'
Boring Diameter: 2"
Drillers: Vironex
Method: Direct Push Technology

Boring No. TW1-D1
Sheet 1 Of 2

Boring Location Sketch



Depth (Feet)	Sample Interval	~~Blow Counts~~ Recovery	PID (ppm) B-zone/stem/sample	Water Level	Well Construction	Lithology / USCS	DESCRIPTION
							Asphalt / Agregate Base Rock
		3/5	0				(Hand augered due to proximity to suspected trench line)
5						CL	CLAY, light brown (7.5YR 6/3) damp to moist, medium stiff, no odor
		3.5/5	0	▽	1-inch PVC	SC	Clayey SAND with gravel, light brown, dense, wet, no odor abundant gravel @ 8'
10						CL	CLAY, brown, trace angular gravel, soft, wet, no odor
		5/5	0			SM	Interbedded silty SAND
						CL	CLAY, greenish gray, trace gravel, medium stiff, wet, no odor
15						GW	~~Inter~~ grades to gravelly SAND
		5/5	0			CL	
20						ML	Clayey SILT, light brown, with gravel, stiff, wet, no odor
		5/5	0			GW	Sandy Gravel (interbedded)
25						CL	Silty CLAY, light brown, trace gravel, stiff, wet, no odor. - silt content increases @ 28'
		5/5	0				
30							

Casing Diameter	1-inch	Casing Length	30	From 0	To 30
Screen Size	0.01	Screen Length	10	From 30	To 40
		Sand Type	None	From –	To –
		Bentonite Type	None	From –	To –
		Cement/Grout	40	From 0	To 40
		Surface Completion	Asphalt patch		

Innovative Technical Solutions, Inc.

Project CTS Printex
Project Number 07163.0034
Location Mountain View
Surface Elevation N/A

Logged By R Leong
Date Drilled 01/14/2010
Total Depth 40'
Boring Diameter 2"
Drillers Vironex
Method DPT

Boring No. TW1-D1
Sheet 2 Of 2

Boring Location Sketch
See page 1 of 2

Depth (Feet)	Sample Interval	~~Blow Counts~~ Recovery	PID (ppm) B-zone/stem/sample	Water Level	Well Construction	Lithology / USCS	DESCRIPTION
		5/5	0			CL	Silty CLAY with sand, trace gravel, light-brown, stiff, wet, no odor
35						ML	Sandy SILT, greenish gray, very fine sand, trace gravel, stiff, wet, no odor
		5/5	0			CL	Silty CLAY, light brown, hard, moist to wet, no odor.
40							End of boring @ 40' bgs
45							
50							
55							
60							

Casing Diameter ____ Casing Length ____ From ____ To ____
Screen Size ____ Screen Length ____ From ____ To ____
Sand Type ____ From ____ To ____
Bentonite Type ____ From ____ To ____
Cement/Grout ____ From ____ To ____
Surface Completion ____

See page 1 of 2

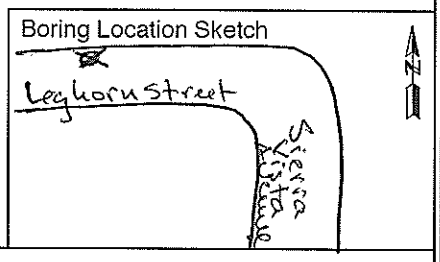
Innovative Technical Solutions, Inc.

Project CTS Printex
Project Number 07163.0034
Location Mountain View
Surface Elevation N/A

Logged By RLeong
Date Drilled 01/15/2010
Total Depth 40'
Boring Diameter 2"
Drillers Vironex
Method DPT

Boring No. TW4-D3
Sheet 1 Of 2

Boring Location Sketch



Depth (Feet)	Sample Interval	~~Blow Counts~~ Recovery	PID (ppm) B-zone/stem/sample	Water Level	Well Construction	Lithology / USCS	DESCRIPTION
							ASPHALT Agregate Base Rock
		5/5	0			CL	CLAY, light gray (5YR 7/1) trace subrounded fine gravel, hard, moist, no odor.
5		5/5	0	▽		SC	Clayey SAND with gravel, light gray, dense, wet, no odor grades to clay
						SP	interbedded sand
10		5/5	0			CL	CLAY, light gray, stiff, wet, no odor
						SC	Clayey SAND, brown (7.5YR 5/4) very fine sand, dense, wet, no odor.
15		4/5	0			CL	Silty CLAY, light brown, iron oxides, stiff, moist, no odor. trace fine gravel @ 18'
20						GW	Sandy GRAVEL with clay, fine to medium gravel, very dense, no odor
						CL	CLAY, light brown, hard, wet, no odor
25						CL	~~Sandier~~ grades to Sandy CLAY
30							

Casing Diameter 1-inch — Casing Length 40 — From 0 To 30
Screen Size 0.01 — Screen Length 10 — From 30 To 40
Sand Type None — From – To –
Bentonite Type None — From – To –
Cement/Grout 40 — From 0 To 40
Surface Completion Asphalt patch

Innovative Technical Solutions, Inc.

Project CTS Printex

Project Number 07163.0034

Location Mountain View

Surface Elevation N/A

Logged By R Leong

Date Drilled 01/15/2010

Total Depth 40'

Boring Diameter 2"

Drillers Vironex

Method DPT

Boring No. TW4-D3

Sheet 2 Of 2

Boring Location Sketch

See Page 1 of 2

Depth (Feet)	Sample Interval	~~Blow Counts~~ Recovery	PID (ppm) B-zone/stem/sample	Water Level	Well Construction	Lithology / USCS	DESCRIPTION
		5/5	0			SG GW SG	Gravelly SAND, dark brown, well graded sand very dense, wet no odor grades to gravel
35		5/5	0				CLAY, light brown, hard, wet, no odor
40							End of boring @ 40' bgs
45							
50							
55							
60							

Casing Diameter _____ Casing Length _____ From _____ To _____

Screen Size _____ Screen Length _____ From _____ To _____

Sand Type _____ From _____ To _____

Bentonite Type _____ From _____ To _____

Cement/Grout _____ From _____ To _____

Surface Completion _____

See Page 1 of 2

Innovative Technical Solutions, Inc.

CONTENTS

PAGE	REFERENCE	DATE

Location Mountain View Date 01/13/2010

Project / Client CTS Printex / EPA

Note taker : Rogerio Leong

Weather is Sunny

8:30 Arrived at the Site. Discussed the planned field work and identified some of the physical hazards and historical chemical contamination of the site.

9:00 Team is composed by:
- Brian Dee (ITSI)
- Teresa Ruha (ITSI)
- Rogerio Leong (ITSI)

began collecting water levels from all existing wells at site.

10:30 set up at well 33W for sampling

10:45 checked with the City of Mtn. View Public Works regarding permit (encroachment) status.

12:00 Drove to City of Mtn. View Engineering Department to pick up the encroachment permit for drilling.

12:40 Called the City to notify of planned work on the streets.

1330 Back at the Site and set up at Well 34W for sampling

Location _____ Date _____

Project / Client _____

NOT USED

Location Mountain View Date 01/12/2010

Project / Client CTS Printex / EPA RL

note taker: Rogelio Leong (Cont.)

14:20 ~~Set~~ up at Well 17W. Decided to collect a field duplicate on this well due to the historically high detection of VOCs.

15:00 Processing and packaging samples. Processing C.O.C. through Forms II Lite

16:00 Drive over to Office Max to drop cooler off for FEDEX pickup.

01/12/2010

Location _____ Date _____

Project / Client _____

NOT USED RL

Location Mountain View Date 01/13/2010

Project / Client CTS Printex / EPA RL

Note taker: Rogerio Leong

Weather is cool and sunny

8:00 Arrived at the site and received a call from City's inspector that he wants to be present to discuss about exploratory boring and traffic control.

8:15 Discuss the scope of work with the City's Inspector; Vironex drillers; and ITSI sampling team.

8:30 City's Inspector OK with scope of drilling, traffic control and stated that work hours on the street is ~~7:30AM~~ PM to 16:00 Weekdays.

8:40 Selected the set of borings to drill located at Sierra Vista Avenue.

8:50 Begin drilling first deepest boring at 40 feet for soil logging purposes, while the sampling team is sampling existing wells 20W and 19W.

at 10:00 Installed temporary 1-inch PVC wells on TW2-S1 and TW2-D1

Location _____ Date _____

Project / Client _____

NOT USED RL

Location Mountain View Date 01/13/2010 RL

Project / Client CTS Printex / EPA

note taker: Rogerio Leong

10:30 Drillers moved up to ~~the~~ RL drill the set of borings TW2-S2 and TW2-D2, while sampling team is sampling behind on the TW2-S1 and TW2-D1.

11:30 Drillers pushing at the third set of borings location at TW2-S3 and TW2-D3.

13:00 Lunch break.

13:30 Drillers began pulling the rods left at the deeper borings and grouting back borings already sampled.

14:20 Decontaminating drill rods.

14:40 Set up and drill TW3-D2 location at Plymouth Street. Driller reported flowing sand at 20 feet bgs. Attempted to redrill to recover samples at 20' could not pass depth of 20' with recovery of samples. Decided to install at 20' and call location as TW3-S2.

Location _____ Date _____

Project / Client _____

NOT USED RL

Location Mountain View Date 01/13/2010 RL

Project / Client CTS Printex / EPA

Notetaker: Rogerio Leong

1500 Sampling team have sampled all six temporary wells at Sierra Vista Avenue, and moving over to sample the one boring TW3-S2 at Plymouth Street.

15:15 I indicate drillers to drill a location selected for collecting soil samples for Geotechnical analysis. Geotech-1 is collected near building located at 1920 Plymouth Street (back side of the bldg). Two samples were collected based on distinct lithology. At 3.5-5.0' (PTX001Geotech1) soil is clay predominant, while sample from 6.5-8.0' is of sandy (coarser material) (PTX002Geotech1)

15:30 Geotech-2 samples are taken on the south side of 935 Sierra Vista Avenue building. Shallower sample is from 3.5-5.0' (PTX003Geotech2) and composed predominantly of Clay. Deeper sample 5.5-7.0' is composed of sand/gravel (PTX004Geotech2)

Location _____ Date _____

Project / Client _____

NOT USED RL

Location Mountain View Date 01/13/2010 RL

Project / Client CTS Printex / EPA

note taker: Rogerio Leong

16:00 Sign off drillers paperwork
16:10 Processing sample packing and shipping
16:30 Drop cooler off at Office Max at FEDEX counter
17:00 Leave site

01/13/2010

Location _____ Date _____

Project / Client _____

Not used

Location Mountain View Date 01/14/2010 RC

Project / Client CTS Printex / EPA

Weather: Sunny and Cool note-taker Rogerio

8:00 Arrive at Site
8:15 tailgate safety meeting
8:25 setting up traffic control and signs on Plymouth Street.
8:30 Drillers continue to drill the sets of proposed borings located at Plymouth Street.
9:50 Set five temporary wells at Plymouth Street, while ITSI sampling team samples behind them
10:10 drillers to move over to TW1 location located at Colony Street. location is very congested due to construction and cement trucks traffic.
10:15 driller parked rig partially on the soft planter curb and caused a depression under the wheels.
12:00 installed ~~and~~ temporary wells at TW1-S1 and TW1-D1.
12:30 Lunch break.
13:00 Drillers pulling rods and grouting back Temporary wells

Location _____ Date _____

Project / Client _____

Not used

Location Mountain View Date 01/14/2010 RL

Project / Client CTS Priatex / EPA

Weather: Sunny,

Sampled at Plymouth Street

13:30 Requested drillers to re-drill TW3-D1 due to silt up of the well. Asked to pull up drill rods to 30' instead of 20' to expose the horizon depth between 30-40', since at 20' drillers reported that material was caving in.

14:00 Sampling of temporary wells was complete.

15:00 Laptop containing Forms II Lite program is defective; could not print C.O.C for shipping.

15:30 Decided to replace laptop and hold on the samples overnight placed on a cooler with plenty of ice to keep samples cool.

17:00 Replaced laptop with Forms II Lite program loaded and existing files transferred at Walnut Creek office

Location _____ Date _____

Project / Client _____

Not used

Location Mountain View Date 01/15/2010 RC

Project / Client CTS Printex / EPA

note taker: Rogerio Leong Weather: Sunny

8:00 Arrived at site

8:15 tailgate safety meeting

8:30 Begin drilling at the group of proposed borings located at Leghorn Street; traffic signs and barricades are set up as well for traffic control.

9:00 First set two ~~sets~~ RC of temporary wells are set for sampling (TW4-S1 and TW4-D1)

9:40 second set of two temporary wells (TW4-S2 and TW4-D2) are set

9:45 Begin drilling TW4-D3 with soil retrieval for logging purpose.

9:55 Driller reports tough drilling condition at 20'. Coarse gravel is present on the sampler shoe.

1040 Finished installing temporary wells at Leghorn street.

1100 Begin removing rods and grouting back temporary wells already sampled.

Location _____ Date _____

Project / Client _____

Not used RL

Location Mountain View Date 01/15/2010 RL

Project / Client CTS Printex / EPA

Weather Sunny

1200 Back filled last borehole TW4-D3

1300 Cleaning and decontaminate at the staging area located on 935 Sierra Vista Ave.

1330 There are 3 drums of purged water and decontamination water and 1 drum of soil cuttings labeled as pending analysis.

1400 Process samples for shipping for Saturday Delivery

1430 Drop cooler off at OfficeMax FEDEX counter

01/15/2010

Location _____ Date _____

Project / Client _____

Not used RL

Location Mountain View Date 01/18/2010 RL

Project / Client CTS Printex / EPA

Weather: Rainy

9:00 Arrive at site
9:15 Tailgate safety meeting
9:30 Set up traffic control to sample a pair of existing wells (22W and 23W) located on Leghorn Street.
10:30 Move to Plymouth Street to sample wells 13W and 14W. Wells 11W, 12W and D2W are blocked by a car.
12:30 Lunch break
13:00 Jim Schollard at site to perform a QC audit.
14:30 packing samples.
15:00 Drop cooler off at FEDEX counter in office Max.
15:15 Return to assess MIP's location to be drilled tomorrow. Noticed that MIP-3-1 located in ~~1424 Plymouth office building~~ RL the backyard ~~of~~ used as free swimming pool repair & maintenance yard is flooded due to a clogged storm drain. Also noticed several ~~empty~~ RL 2-gallon jugs

Location _____ Date _____

Project / Client _____

Not used

Location Mountain View Date 01/18/2010

Project / Client EPA / CTS Printex

~~Pool chlorinated and acid muriatic~~

~~Chlorox~~ Containers stacked ~~at~~ against the corner yard of the building at 1924 Plymouth street

Not used

[illegible]

01/18/2010

Location _____ Date _____

Project / Client _____

NOT USED

RL

Location Mtn. View Date 01/19/2010 RL

Project / Client CTS Printex / EPA

Rainy / stormy / wet conditions

8:40 Arriving at site
8:50 Tailgate meeting / discuss NIP scope. with Vironex.
9:15 Set up NIP-1 ~~RL~~
9:35 Begin pushing at NIP-1
10:18 NIP-1 terminated at 40 feet below grade surface.
10:20 pulling NIP rods out and grouting back borehole
1045 Set up at NIP-3 location
1055 pushing NIP-3
1130 NIP-3 terminated at 40 feet bgs. Highest peaks on ECD detector at 15 and 18 feet bgs. and a smaller peak at 8.0 to 9.0 feet bgs as in NIP-1
1200 Lunch break
1230 Sets up at NIP-4
1245 Begin pushing at NIP-4
1320 NIP-4 terminated at 40 feet. bgs. Highest ECD detection at 16 feet bgs.
1325 pulling rods and grouting borehole

Location _____ Date _____

Project / Client _____

NOT USED DR

Location MTN. VIEW Date 01/19/2010 DR

Project / Client EPA / CTS Printex

Afternoon: Sunny

1350 Mobilizing to MIP-2 location on the backside of bldg 1920 Plymouth Street.

1405 Set up on MIP-2; break off asphalt surface.

1415 Begin pushing at MIP-2 location

1450 MIP-2 terminated at 40 feet. Highest ECD peaks at 12 to 18 feet

1500 Call Jeff Hess to discuss results of primary MIPs. MIP-2 and MIP-4 show highest ECD detections. MIP-1 has no ECD response, only one low peak at 9 feet, possibly due to water encounter. MIP-3 has some ECD peaks response but less pronounced than at MIP-2 and MIP-4. Will proceed with the stepout MIPs tomorrow for a better overall characterization of the contaminants around well 17W.

Location _____ Date _____

Project / Client _____

Not used DR

Location Mountain View Date 01/20/2010 DR

Project / Client CTS Printex / EPA

Weather conditions: Rain / storm / windy

- Arrived at site and had drillers ~~to~~ DR sign off tailgate safety + discussed ~~work~~ DR scope of today's work.

~~Bio~~ DR Continuing the MIP investigation on step-out locations. Started on MIP-2-1 located near the NE corner of 1920 Building at Plymouth Street. MIP-2-1 had light response peak at 20 feet bgs similar to MIP-2. At 9:55, moved to MIP-3-1 location at the back yard of building located at 1918 Plymouth Street, currently used and occupied by the Pool sales & service Company (Excel pool & repair). MIP-3-1 resulted in one significant peak at around 13' associated with silty sand/silt media.

Moved to MIP-4 location at 935 Sierra Vista to drill a colocated boring for sampling the groundwater. Boring will be pushed to 20' and grab

Location

Date

Project / Client

Not used RL

Location Mountain View, Date 01/20/2010 RL

Project / Client CTS Printex / EPA

Rain / cloudy / stormy

Groundwater sample extracted at 18 feet where highest ECD peak was detected

Collected a grab groundwater sample at 12:00 on a co-located boring to the original MIP-4 (1-foot apart); drove drilling rod to 20'; pull back 10' and inserted 1-inch PVC screen from 10-20 feet. Used a peristaltic pump to pull the groundwater at 18'; let it purged out the coarser sediment first (about 10 minutes of purging). then performed the grab sample.

Drillers drive MIP probe at step-out MIP-4-1 location. MIP-4-1 has the highest ECD detection of all other MIPs location between 15 and 17 feet.

Drillers pull back rods and grout boreholes.

Called Jeff at 13:45 for status update.

Location _____ Date _____

Project / Client _____

Not used RC

Location Mountain View Date 02/24/2010 RC

Project / Client CTS Printex / EPA

Weather conditions : partial Sun

- Day activity consisted of sampling four wells. Two wells at Gables End new home (former CTS Printex) and two wells offsite 21W and 25W East of 101 freeway. Rogerio + Teresa onsite as samplers
- Did a morning calibration check. Notice that the pH sensor was faulty. Teresa went to get a pH paper at Pet store to at least get a reference reading on pH.
- I checked in with Gables sale office and gave my business card to inform that we were to sample two of the wells at their property.
- Sampling done at around 14:30. Shipped off the cooler with samples at Office Max and left the site at 15:00

Location _____ Date _____

Project / Client _____

Not used RR

Location Mountain View Date 02/25/2010 RR

Project / Client CTS Printex / EPA

Weather: Cloudy morning / sunny afternoon

Meet Vironex + do a tailgate safety briefing @ 8:00

- began installing the temporary well TW5-S1 near the Excel pad's entrance.
- MIP Van onsite @ 8:30, drove over to 935 Sierra Vista ave
- Finish last MIP-4-4 @ 14:40
- MIP4-2; MIP4-3; MIP-4-4 ECD detections were lower than at MIP-4-1.
- Called Jeff Hsu to discuss about collecting samples for soil gas, soil and groundwater.
- It was decided to take a soil gas at MIP-4-4 due to the shallow ECD response. and Return to MIP-4-1 which had the highest hit of ECD response of all MIPs to collect for soil and groundwater.

APPENDIX C

SURVEY FORMS
(Access Agreements, Building and Product Surveys)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

January 5, 2010

Dear Business Owner:

On behalf of the United States Environmental Protection Agency (EPA), representatives of Innovative Technical Solutions, Inc., an EPA contractor, will be marking locations in the vicinity of your property on January 7, 2010. This activity is only for one day and will not interrupt activities at your place of business.

To evaluate current environmental conditions as part of the CTS Printex Superfund Site, groundwater and soil samples will be collected from these marked locations over a two week period starting the week of January 11 through January 22, 2010. Areas where sampling will be conducted will be delineated by cones and measures to ensure health and safety and minimize disruptions will be instituted in the work areas.

We appreciate your cooperation and thank you for signing the Consent for Access Form. Please contact me directly at (415) 947-4218 if you have any questions.

Sincerely,

Raymond Chavira
Remedial Project Manager
California Site Cleanup Section III

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

Site Name: CTS Printex Superfund Site
Mountain View, California

Site ID No: 09H5

CONSENT FOR ACCESS TO PROPERTY

I hereby consent to officers, employees, and authorized representatives of the United States Environmental Protection Agency (EPA) entering and having continued access to the property owned by BALI PROPERTIES and leased by CODAR OCEAN SENSORS, located at 1914 PLYMOUTH ST. MOUNTAIN VIEW CA (the "property") for the following purposes:

[X] The collection and taking of soil, water, air, and waste samples in the yard and buildings on my Property.

[X] The collection and taking of documents and photographs related to the investigation of hazardous substances on the property.

[X] Other actions related to the evaluation, sampling, and analyses of releases of hazardous substances to the environment.

I understand that these actions by EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act (Superfund), as amended, 42 U.S.C. Section 9601 et seq.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind.

I understand that questions regarding sampling or cleanup actions, or this letter, can be addressed by calling Ray Chavira, the Superfund Remedial Project Manager, at (415) 947-4218, or Taly Jolish at the Office of Regional Counsel, (415) 972-3925.

Signature of Property Owner(s) 1/5/10 Date

Print Name:

Signature of Tenant/Lessee 1-5-10 Date

Print Name: PETER LILLEBOE

Please sign the access form and return or fax a copy of the signed form to the following address by January 12, 2010:

Superfund Division (SFD-7-3)
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, California 94105

PHONE (415) 972-4218
FAX (415) 947-3526

APPENDIX K - BUILDING SURVEY FORM

This form must be completed for each building involved in an indoor air investigation.

Preparer's name Rogerio Leong Date prepared 02/23/2010

Preparer's affiliation Innovative Technical Solutions Inc.

Telephone number (925) 946 3156

1. **OCCUPANT**

Name CODAR OCEAN SENSORS

Address 1914 PLYMOUTH STREET

City MOUNTAIN VIEW, CA

Home telephone number

Office telephone number (408) 773 8240

2. **OWNER OR LANDLORD**

Name SAME AS ABOVE
(If different than occupant)

Address

Telephone number

A. Type of Building Construction

Type (circle appropriate responses): Single Family Multiple Dwelling (Commercial)

Ranch	Two-family
Raised Ranch	Duplex
Split Level	(Office)
Colonial	Warehouse
Mobile Home	Strip Mall
Apartment Building:	Number of Units
Other	

Building Age 1980s Number of stories single level

Area of the Building (square feet)

Is the building insulated? (yes) no How sealed is the building? good sealing

Number of elevators in the building Ø

Condition of the elevator pits (sealed, open earth, etc.) N/A

General description of building construction materials Concrete walls and floor

B. Foundation Characteristics (circle all that apply)

1. Full basement, crawlspace, (slab on grade), other _____
2. Basement floor description: (concrete), dirt, wood, other _____
   a. The basement is: wet, damp, dry N/A
   b. Sump present? yes / (no) _____ Water in sump? yes / no ____
   c. The basement is: finished, unfinished N/A
   d. Is the basement sealed? Provide a description N/A
3. Concrete floor description: unsealed, painted, (covered) with Vynil tiles
4. Foundation walls: (poured concrete), block, stone, wood, other _____
5. Identify all potential soil gas entry points and their size (e.g., cracks, voids, pipes, utility ports, sumps, drain holes, etc.). Include these points on the building diagram.

C. Heating, Ventilation, and Air Conditioning (circle all that apply)

1. The type of heating system(s):

(Hot Air Circulation)	Heat Pump
Hot Water Radiation	Unvented Kerosene Heater
Steam Radiation	Wood Stove
Electric Baseboard	Other (specify) _____

2. The type of fuel used: (Natural Gas), Fuel Oil, Electric, Wood, Coal, Solar

   Other (specify) _____
3. Location of heating system: on the roof
4. Is there air-conditioning? (yes) / no Central Air or Window Units?

Specify the location on the roof

5. Are there air distribution ducts present? (yes) / no

6. Describe the supply and cold air return duct work including whether there is a cold air return and comment on the tightness of duct joints.
on the ceiling

7. Is there a whole house fan? yes / (no)
What is the rated size of the fan? N/A

8. Temperature settings inside during sampling. Note day and night temperatures.
   a. Daytime temperature(s) 7/-72
   b. Nighttime temperature(s) _____
   (Note times if system cycles during non-occupied hours during the day)

9. Estimate the average time doors and windows are open to allow fresh outside air into the building. Note rooms that frequently have open windows or doors.
occasionally, workers in and out of the building

D. Potential Indoor Sources of Pollution

1. Is the laundry room located inside the home? yes / (no)

2. Has the house ever had a fire? yes / (no)

2. Is there an attached garage? yes / (no)

3. Is a vehicle normally parked in the garage? yes / (no)

4. Is there a kerosene heater present? yes / (no)

5. Is there a workshop, hobby or craft area in the residence? (yes) / no
work benches for electronic parts

6. An inventory of all products used or stored in the home should be performed. Any products that contain volatile organic compounds or chemicals similar to the target compounds should be listed. The attached product inventory form should be used for this purpose.

7. Is there a kitchen exhaust fan? yes / (no) Where is it vented? ceiling ventilation

8. Is the stove gas or electric? No stove Is the oven gas or electric? _____

9. Is there an automatic dishwasher? yes / (no)

10. Is smoking allowed in the building? yes / (no)

11. Has the house ever been fumigated or sprayed for pests? If yes, give date, type and location of treatment.
No

E. Water and Sewage (Circle the appropriate response)

Source of Water

Public Water Drilled Well Driven Well Dug Well Other (Specify) _____

Water Well Specifications

Well Diameter _____ Grouted or Ungrouted _____

Well Depth _____ Type of Storage Tank _____

Depth to Bedrock _____ Size of Storage Tank _____

Feet of Casing _____ Describe type(s) of Treatment _____

Water Quality

Taste and/or odor problems with water? yes / no If so, describe _____

Is the water chlorinated, brominated, or ozonated? yes / no _____

How long has the taste and/or odor problem been present? _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Other (Specify) _____

Distance from well to septic system _____ Type of septic tank additives _____

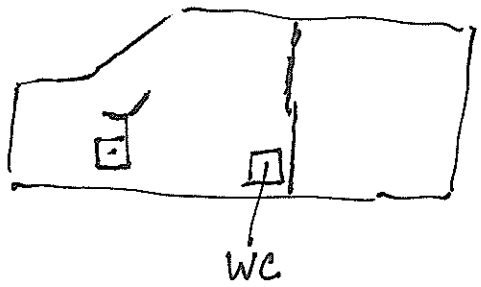
F. Plan View

Sketch each floor and if applicable, indicate air sampling locations, possible indoor air pollution sources, preferential pathways and field instrument readings.

G. Potential Outdoor Sources of Pollution

Draw a diagram of the area surrounding the building being sampled. If applicable, provide information on the spill locations (if known), potential air contamination sources (industries, service stations, repair shops, retail shops, landfills, etc.), outdoor air sampling locations, and field instrument readings.

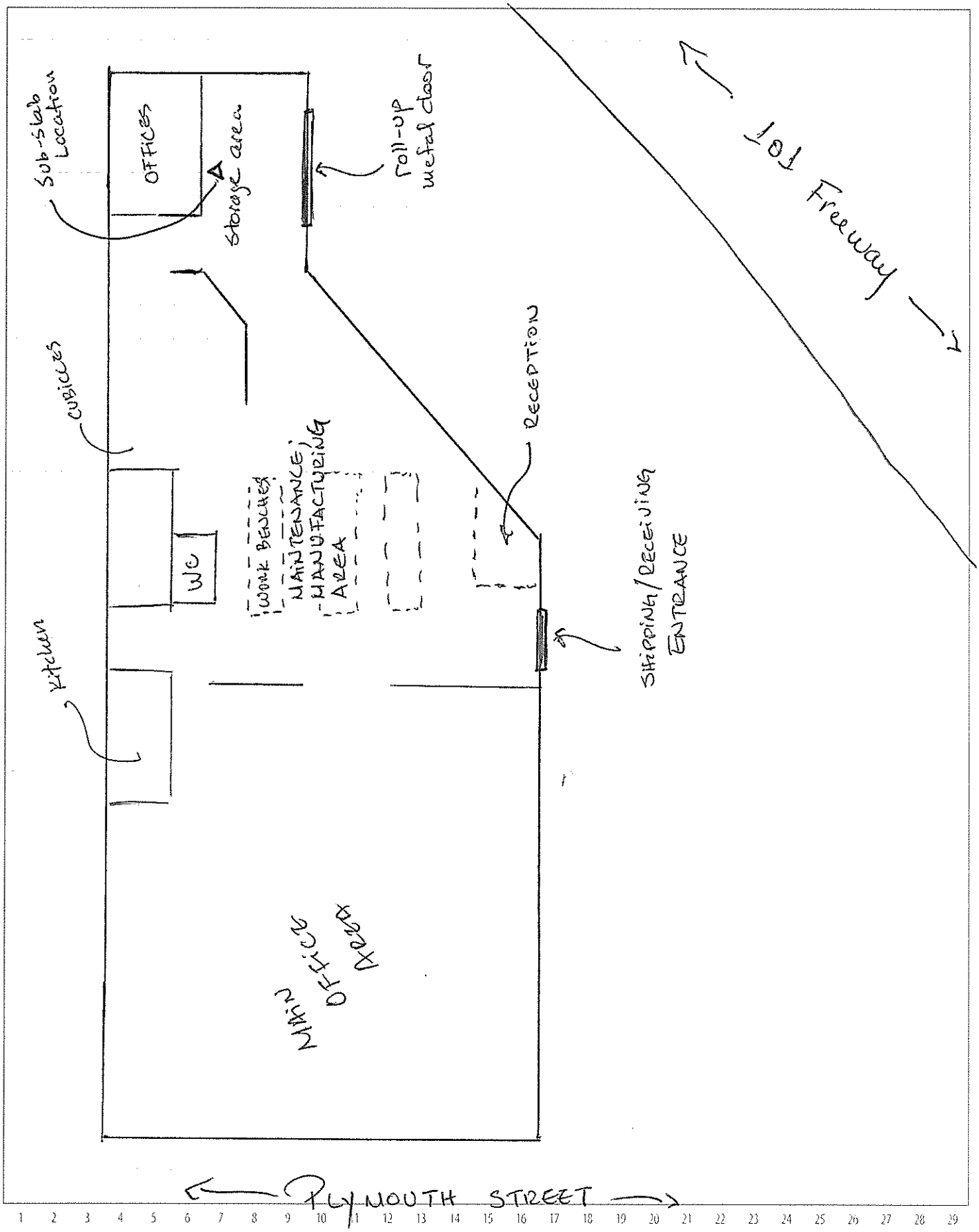
Also, on the diagram, indicate barometric pressure, weather conditions, ambient and indoor temperatures, compass direction, wind direction and speed during sampling, the locations of the water wells, septic systems, and utility corridors if applicable, and a statement to help locate the site on a topographical map.



www.itsi.com

By RLEONG Date 02/23/2010 Subject CODAR OCEAN SENSORS FLOORPLAN Sheet No. 1 of 1

Chkd. By _____ Date _____ ITS Printex Project No. 07163-0033



APPENDIX L – HOUSEHOLD PRODUCTS INVENTORY FORM

Occupant of Building CODAR OCEAN SENSORS

Address 1914 Plymouth Street

City Mountain View CA

Field Investigator Rogerio Leong Date 02/23/2010

Product Description (commercial name, dispenser type, container size, manufacturer, etc.)	Volatile Ingredients in the Product	Field Instrument Reading
Solder SN 63		
Silicone Conformal Coating Spray	Dimethyl Ether	
Windex		

Comments: Observed workers solding electronic components over a work bench while conducting the survey

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

Site Name: CTS Printex Superfund Site
Mountain View, California

Site ID No: 09H5

CONSENT FOR ACCESS TO PROPERTY

I hereby consent to officers, employees, and authorized representatives of the United States Environmental Protection Agency (EPA) entering and having continued access to the property owned by LMN Partners LLC and leased by Sequetech Corp., located at 935-C Sierra Vista Ave (the "property") for the following purposes:

[X] The collection and taking of soil, water, air, and waste samples in the yard and buildings on my Property.

[X] The collection and taking of documents and photographs related to the investigation of hazardous substances on the property.

[X] Other actions related to the evaluation, sampling, and analyses of releases of hazardous substances to the environment.

I understand that these actions by EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act (Superfund), as amended, 42 U.S.C. Section 9601 et seq.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind.

I understand that questions regarding sampling or cleanup actions, or this letter, can be addressed by calling Ray Chavira, the Superfund Remedial Project Manager, at (415) 947-4218, or Taly Jolish at the Office of Regional Counsel, (415) 972-3925.

Signature of Property Owner(s) — Date: 2/17/10

Print Name:

Signature of Tenant/Lessee — Date

Print Name:

Please sign the access form and return or fax a copy of the signed form to the following address by January 12, 2010:

Superfund Division (SFD-7-3)
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, California 94105

PHONE (415) 972-4218
FAX (415) 947-3526

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

Site Name: CTS Printex Superfund Site
Mountain View, California

Site ID No: 09H5

CONSENT FOR ACCESS TO PROPERTY

I hereby consent to officers, employees, and authorized representatives of the United States Environmental Protection Agency (EPA) entering and having continued access to the property owned by SEQUETECH and leased by _____, located at 935 SIERRA VISTA AVE (the "property") for the following purposes:

[X] The collection and taking of soil, water, air, and waste samples in the yard and buildings on my Property.

[X] The collection and taking of documents and photographs related to the investigation of hazardous substances on the property.

[X] Other actions related to the evaluation, sampling, and analyses of releases of hazardous substances to the environment.

I understand that these actions by EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act (Superfund), as amended, 42 U.S.C. Section 9601 et seq.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind.

I understand that questions regarding sampling or cleanup actions, or this letter, can be addressed by calling Ray Chavira, the Superfund Remedial Project Manager, at (415) 947-4218, or Taly Jolish at the Office of Regional Counsel, (415) 972-3925.

Signature of Property Owner(s) — Date: 01/05/10

Print Name: NEIL CHIN

Signature of Tenant/Lessee — Date

Print Name:

Please sign the access form and return or fax a copy of the signed form to the following address by January 12, 2010:

Superfund Division (SFD-7-3)
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, California 94105

PHONE (415) 972-4218
FAX (415) 947-3526

ALLAN CHIN
650-326-5912

APPENDIX K - BUILDING SURVEY FORM

This form must be completed for each building involved in an indoor air investigation.

Preparer's name Rogerio Leong Date prepared 02/23/2010

Preparer's affiliation Innovative Technical Solutions Inc.

Telephone number (925) 946 3156

1. **OCCUPANT**

Name SEQUETECH

Address 935 Sierra Vista Avenue

City Mountain View, CA

Home telephone number (650) 967 8685 x 109

Office telephone number (650) 326 5916

2. **OWNER OR LANDLORD**

Name Allan Chiu
(If different than occupant)

Address Same as above

Telephone number

A. Type of Building Construction

Type (circle appropriate responses): Single Family Multiple Dwelling Commercial

Ranch	Two-family
Raised Ranch	Duplex
Split Level	Office
Colonial	Warehouse
Mobile Home	Strip Mall
Apartment Building:	Number of Units

Other

Building Age +/- 1979 Number of stories Single Level

Area of the Building (square feet)

Is the building insulated? yes / no How sealed is the building? well

Number of elevators in the building ∅

Condition of the elevator pits (sealed, open earth, etc.) N/A

General description of building construction materials Concrete walls and floors

B. Foundation Characteristics (circle all that apply)

1. Full basement, crawlspace, slab on grade, other _____
2. Basement floor description: concrete, dirt, wood, other Ø
   a. The basement is: wet, damp, dry _____
   b. Sump present? yes / no _____ Water in sump? yes / no _____
   c. The basement is: finished, unfinished _____
   d. Is the basement sealed? Provide a description _____
3. Concrete floor description: unsealed, painted, covered, with vinyl tiles
4. Foundation walls: poured concrete, block, stone, wood, other _____
5. Identify all potential soil gas entry points and their size (e.g., cracks, voids, pipes, utility ports, sumps, drain holes, etc.). Include these points on the building diagram.

C. Heating, Ventilation, and Air Conditioning (circle all that apply)

1. The type of heating system(s):

Hot Air Circulation	Heat Pump
Hot Water Radiation	Unvented Kerosene Heater
Steam Radiation	Wood Stove
Electric Baseboard	Other (specify) _____

2. The type of fuel used: Natural Gas, Fuel Oil, Electric, Wood, Coal, Solar

   Other (specify) _____
3. Location of heating system: on the roof
4. Is there air-conditioning? yes / no Central Air or Window Units?

Specify the location on the roof

5. Are there air distribution ducts present? (yes) / no

6. Describe the supply and cold air return duct work including whether there is a cold air return and comment on the tightness of duct joints.
Ducts on ceiling, system in good condition

7. Is there a whole house fan? yes / (no) _____
What is the rated size of the fan? _____

8. Temperature settings inside during sampling. Note day and night temperatures.
   a. Daytime temperature(s) 68°F
   b. Nighttime temperature(s) 68°F > automatic system for 24-hr run
   (Note times if system cycles during non-occupied hours during the day)

9. Estimate the average time doors and windows are open to allow fresh outside air into the building. Note rooms that frequently have open windows or doors.
Occasionaly for people coming in and going out the door
Doors always closed

D. Potential Indoor Sources of Pollution

1. Is the laundry room located inside the home? yes / (no)

2. Has the house ever had a fire? yes / (no)

2. Is there an attached garage? yes / (no)

3. Is a vehicle normally parked in the garage? yes / (no)

4. Is there a kerosene heater present? yes / (no)

5. Is there a workshop, hobby or craft area in the residence? yes / (no)

6. An inventory of all products used or stored in the home should be performed. Any products that contain volatile organic compounds or chemicals similar to the target compounds should be listed. The attached product inventory form should be used for this purpose.

7. Is there a kitchen exhaust fan? yes / (no) Where is it vented? Ventilation system on the ceili

8. Is the stove gas or electric? N/A Is the oven gas or electric? _____

9. Is there an automatic dishwasher? yes / (no)

10. Is smoking allowed in the building? yes / (no)

11. Has the house ever been fumigated or sprayed for pests? If yes, give date, type and location of treatment.
No

E. Water and Sewage (Circle the appropriate response)

Source of Water

Public Water Drilled Well Driven Well Dug Well Other (Specify) _____

Water Well Specifications

Well Diameter _____ Grouted or Ungrouted _____

Well Depth _____ Type of Storage Tank _____

Depth to Bedrock _____ Size of Storage Tank _____

Feet of Casing _____ Describe type(s) of Treatment _____

Water Quality

Taste and/or odor problems with water? yes / no If so, describe _____

Is the water chlorinated, brominated, or ozonated? yes / no _____

How long has the taste and/or odor problem been present? _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Other (Specify) _____

Distance from well to septic system _____ Type of septic tank additives _____

F. Plan View

Sketch each floor and if applicable, indicate air sampling locations, possible indoor air pollution sources, preferential pathways and field instrument readings.

G. Potential Outdoor Sources of Pollution

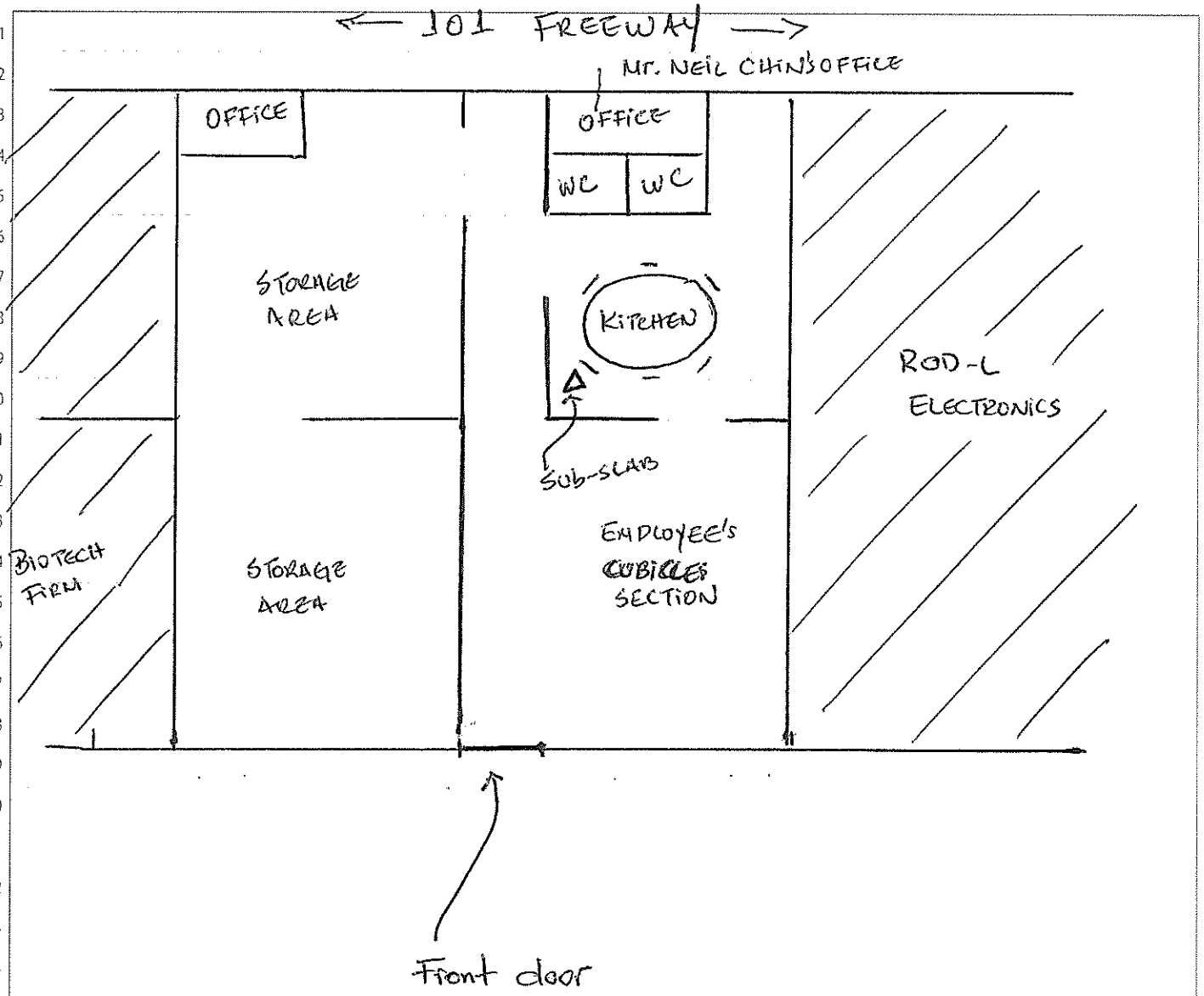
Draw a diagram of the area surrounding the building being sampled. If applicable, provide information on the spill locations (if known), potential air contamination sources (industries, service stations, repair shops, retail shops, landfills, etc.), outdoor air sampling locations, and field instrument readings.

Also, on the diagram, indicate barometric pressure, weather conditions, ambient and indoor temperatures, compass direction, wind direction and speed during sampling, the locations of the water wells, septic systems, and utility corridors if applicable, and a statement to help locate the site on a topographical map.

www.itsi.com

By R. LEONG Date 02/23/2010 Subject SEQUETECH FLOOR PLAN Sheet No. 1 of 1

Chkd. By _____ Date _____ CTS PRINTEX Project No. 07163.0033



APPENDIX L – HOUSEHOLD PRODUCTS INVENTORY FORM

Occupant of Building SEQUETECH

Address

City

Field Investigator Rogerio Leony Date 02/23/2010

Product Description (commercial name, dispenser type, container size, manufacturer, etc.)	Volatile Ingredients in the Product	Field Instrument Reading
Expo cleaner for dry eraser	Yes	

Comments: Alcohol cleaning solution to erase board markings observed on the kitchen.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

Site Name: CTS Printex Superfund Site
Mountain View, California

Site ID No: 09H5

CONSENT FOR ACCESS TO PROPERTY

I hereby consent to officers, employees, and authorized representatives of the United States Environmental Protection Agency (EPA) entering and having continued access to the property owned by LMN Partners LLC and leased by Rod-L Electronics, located at 935-F Sierra Vista Ave (the "property") for the following purposes:

[X] The collection and taking of soil, water, air, and waste samples in the yard and buildings on my Property.

[X] The collection and taking of documents and photographs related to the investigation of hazardous substances on the property.

[X] Other actions related to the evaluation, sampling, and analyses of releases of hazardous substances to the environment.

I understand that these actions by EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act (Superfund), as amended, 42 U.S.C. Section 9601 et seq.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind.

I understand that questions regarding sampling or cleanup actions, or this letter, can be addressed by calling Ray Chavira, the Superfund Remedial Project Manager, at (415) 947-4218, or Taly Jolish at the Office of Regional Counsel, (415) 972-3925.

Signature of Property Owner(s) _____ Date _____

Print Name:

Signature of Tenant/Lessee _____ Date 2/19/2010

Print Name: Rodney Clay

Please sign the access form and return or fax a copy of the signed form to the following address by January 12, 2010:

Superfund Division (SFD-7-3)
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, California 94105

PHONE (415) 972-4218
FAX (415) 947-3526

APPENDIX K - BUILDING SURVEY FORM

This form must be completed for each building involved in an indoor air investigation.

Preparer's name Rogerio Leong Date prepared 02/23/2010

Preparer's affiliation Innovative Technical Solutions Inc.

Telephone number (925) 946 3156

1. **OCCUPANT**

Name ROD-L ELECTRONICS

Address 935 F SIERRA VISTA AVE

City Mountain View CA

Home telephone number

Office telephone number

2. **OWNER OR LANDLORD**

Name ALLAN CHIN
(If different than occupant)

Address 935 Sierra Vista Ave
Mountain View CA

Telephone number

A. Type of Building Construction

Type (circle appropriate responses): Single Family Multiple Dwelling (Commercial)

Ranch	Two-family
Raised Ranch	Duplex
Split Level	(Office) 1 level floor building
Colonial	Warehouse
Mobile Home	Strip Mall
Apartment Building:	Number of Units
Other	

Building Age Number of stories

Area of the Building (square feet)

Is the building insulated? (yes) / no How sealed is the building? tightly sealed

Number of elevators in the building Ø

Condition of the elevator pits (sealed, open earth, etc.) N/A

General description of building construction materials Concrete walls and floor

B. Foundation Characteristics (circle all that apply)

1. Full basement, crawlspace, slab on grade, other NO
2. Basement floor description: concrete, dirt, wood, other _____
   a. The basement is: wet, damp, dry _____
   b. Sump present? yes / no _____ Water in sump? yes / no ____
   c. The basement is: finished, unfinished _____
   d. Is the basement sealed? Provide a description _____
3. Concrete floor description: unsealed, painted, covered; with vinyl tiles
4. Foundation walls: poured concrete, block, stone, wood, other _____
5. Identify all potential soil gas entry points and their size (e.g., cracks, voids, pipes, utility ports, sumps, drain holes, etc.). Include these points on the building diagram.

C. Heating, Ventilation, and Air Conditioning (circle all that apply)

1. The type of heating system(s):

Hot Air Circulation	Heat Pump
Hot Water Radiation	Unvented Kerosene Heater
Steam Radiation	Wood Stove
Electric Baseboard	Other (specify) _____

2. The type of fuel used: Natural Gas, Fuel Oil, Electric, Wood, Coal, Solar

   Other (specify) _____
3. Location of heating system: Ceiling
4. Is there air-conditioning? yes no Central Air or Window Units?

Specify the location Ceiling

5. Are there air distribution ducts present? (yes) / no

6. Describe the supply and cold air return duct work including whether there is a cold air return and comment on the tightness of duct joints.
Distribution system on the ceiling

7. Is there a whole house fan? yes / (no)
What is the rated size of the fan? _____

8. Temperature settings inside during sampling. Note day and night temperatures.
   a. Daytime temperature(s) 68
   b. Nighttime temperature(s) 68
   (Note times if system cycles during non-occupied hours during the day)

9. Estimate the average time doors and windows are open to allow fresh outside air into the building. Note rooms that frequently have open windows or doors.
Rarely opens door to let fresh air inside
probably once a week opens the roll up gate for delivery

D. Potential Indoor Sources of Pollution

1. Is the laundry room located inside the home? yes / (no)

2. Has the house ever had a fire? yes / (no)

2. Is there an attached garage? yes / (no)

3. Is a vehicle normally parked in the garage? yes / (no)

4. Is there a kerosene heater present? yes / (no)

5. Is there a workshop, hobby or craft area in the residence? yes / (no)

6. An inventory of all products used or stored in the home should be performed. Any products that contain volatile organic compounds or chemicals similar to the target compounds should be listed. The attached product inventory form should be used for this purpose.

7. Is there a kitchen exhaust fan? yes / (no) Where is it vented? Ceiling

8. Is the stove gas or electric? No Is the oven gas or electric? No oven

9. Is there an automatic dishwasher? yes / (no)

10. Is smoking allowed in the building? yes / (no)

11. Has the house ever been fumigated or sprayed for pests? If yes, give date, type and location of treatment.
No

E. Water and Sewage (Circle the appropriate response)

Source of Water

Public Water Drilled Well Driven Well Dug Well Other (Specify) _____

Water Well Specifications

Well Diameter _____ Grouted or Ungrouted _____

Well Depth _____ Type of Storage Tank _____

Depth to Bedrock _____ Size of Storage Tank _____

Feet of Casing _____ Describe type(s) of Treatment _____

Water Quality

Taste and/or odor problems with water? yes / no If so, describe _____

Is the water chlorinated, brominated, or ozonated? yes / no _____

How long has the taste and/or odor problem been present? _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Other (Specify) _____

Distance from well to septic system _____ Type of septic tank additives _____

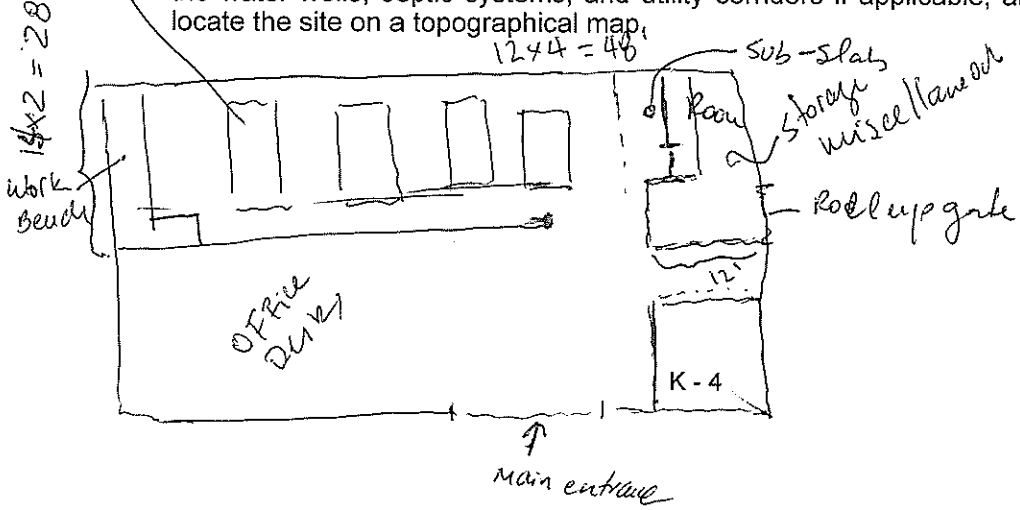
F. Plan View

Sketch each floor and if applicable, indicate air sampling locations, possible indoor air pollution sources, preferential pathways and field instrument readings.

G. Potential Outdoor Sources of Pollution

Draw a diagram of the area surrounding the building being sampled. If applicable, provide information on the spill locations (if known), potential air contamination sources (industries, service stations, repair shops, retail shops, landfills, etc.), outdoor air sampling locations, and field instrument readings.

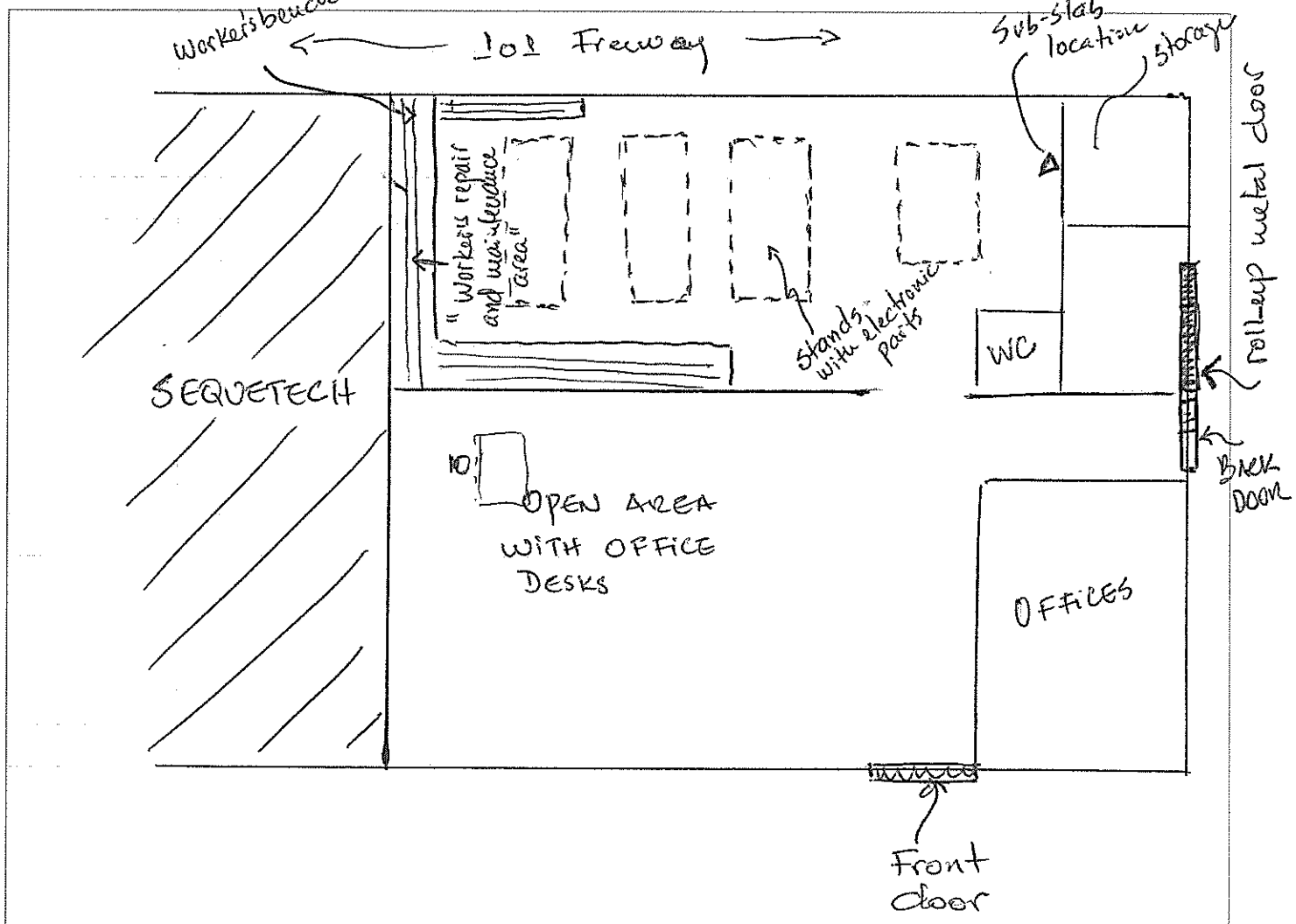
Also, on the diagram, indicate barometric pressure, weather conditions, ambient and indoor temperatures, compass direction, wind direction and speed during sampling, the locations of the water wells, septic systems, and utility corridors if applicable, and a statement to help locate the site on a topographical map.



www.itsi.com

By R LEONEY Date 02/23/2010 Subject ROD-L ELECTRONIC FLOOR PLAN Sheet No. 1 of 1

Chkd. By _____ Date _____ CTS PRINTEX Project No. 07163.0033



APPENDIX L – HOUSEHOLD PRODUCTS INVENTORY FORM

Occupant of Building ROD-L ELECTRONICS

Address 935 F SIERRA VISTA AVE.

City Mountain View CALIFORNIA

Field Investigator Rogerio Leong Date 02/23/2010

Product Description (commercial name, dispenser type, container size, manufacturer, etc.)	Volatile Ingredients in the Product	Field Instrument Reading
GOOF OFF The Miracle Remover	Acetone & Xylene	
Alcohol 50% Isopropyl		
JASCO Speedomatic Paint Remover	Methylene Chloride and Methanol	
SPRAY PAINT		

Comments: Observed one worker using products described above to clean parts and electronics component during repair and maintenance. This activity occurs daily!

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

Site Name: CTS Printex Superfund Site
Mountain View, California

Site ID No: 09H5

CONSENT FOR ACCESS TO PROPERTY

I hereby consent to officers, employees, and authorized representatives of the United States Environmental Protection Agency (EPA) entering and having continued access to the property owned by Deborah Nansen and leased by Tom Cooper, located at 1924 Plymouth St Mountain View (the "property") for the following purposes:

[X] The collection and taking of soil, water, air, and waste samples in the yard and buildings on my Property.

[X] The collection and taking of documents and photographs related to the investigation of hazardous substances on the property.

[X] Other actions related to the evaluation, sampling, and analyses of releases of hazardous substances to the environment.

I understand that these actions by EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act (Superfund), as amended, 42 U.S.C. Section 9601 et seq.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind.

I understand that questions regarding sampling or cleanup actions, or this letter, can be addressed by calling Ray Chavira, the Superfund Remedial Project Manager, at (415) 947-4218, or Taly Jolish at the Office of Regional Counsel, (415) 972-3925.

Signature of Property Owner(s) Date

Print Name:

Signature of Tenant/Lessee 1/5/10
Date

Print Name:
Thomas Cooper

Please sign the access form and return or fax a copy of the signed form to the following address by January 12, 2010:

Superfund Division (SFD-7-3)
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, California 94105

PHONE (415) 972-4218
FAX (415) 947-3526

APPENDIX D

INDOOR AIR SAMPLING FIELD RECORDS AND ANALYTICAL RESULTS

(March and June 2010, Indoor Air Analytical Data, and Photographs)

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Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1914 IA-01-EI	Date: 3-4-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR/RL	Location Address/Description: Plymouth St. 1914 Mountain View, CA

Sampling System

Canister Serial No.: 0123

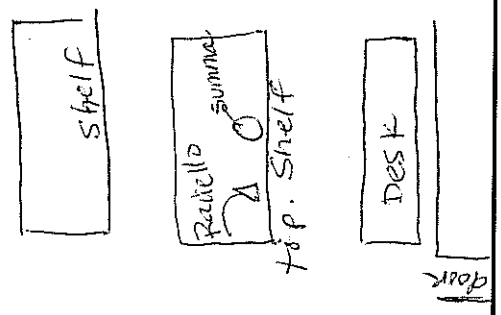
Canister Certification Date: 1-12-10

Canister Leak Check Date: —

Flow Controller Serial No.: 423

Associated Duplicate Location ID (if applicable):

Other Info:



Sampling Log

Parameter	Date Start	Time	Date Stop	Time
Local Time	3/4	935	3/5	940
Label Dummy Time for Label				
Canister Pressure (in Hg)	-29		-3	
Ambient Temperature	65°F		68°F	
Flow Rate (mL/min)	24 hr		24 hr	

Observations and Comments:

6 liter summa
near Radiello 1914RD-01-EI (FA073)
inside Cedar Corporation

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + isopropyl *

Sampler Signature: Teresa Ruha

* Add leak detection gas

Indoor Air Sampling – March 4, 2010
1914 Plymouth Street

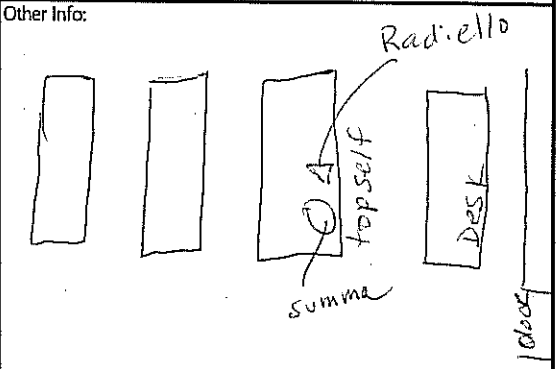
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1914 IA-01-E2	Date: 3-10-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR / SL	Location Address/Description: 1914 Plymouth St. MountainView, Ca

Sampling System

Canister Serial No.: 500	Other Info:
Canister Certification Date: 11-18-10	
Canister Leak Check Date:	
Flow Controller Serial No.: 427	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Date Start time	Date Stop time
Local Time	3/10 1500	3/11 1500
Label Dummy Time for Label		
Canister Pressure (in Hg)	-29	-5
Ambient Temperature	70°F	72°F
Flow Rate (mL/min)	24hr	24hr

Observations and Comments:

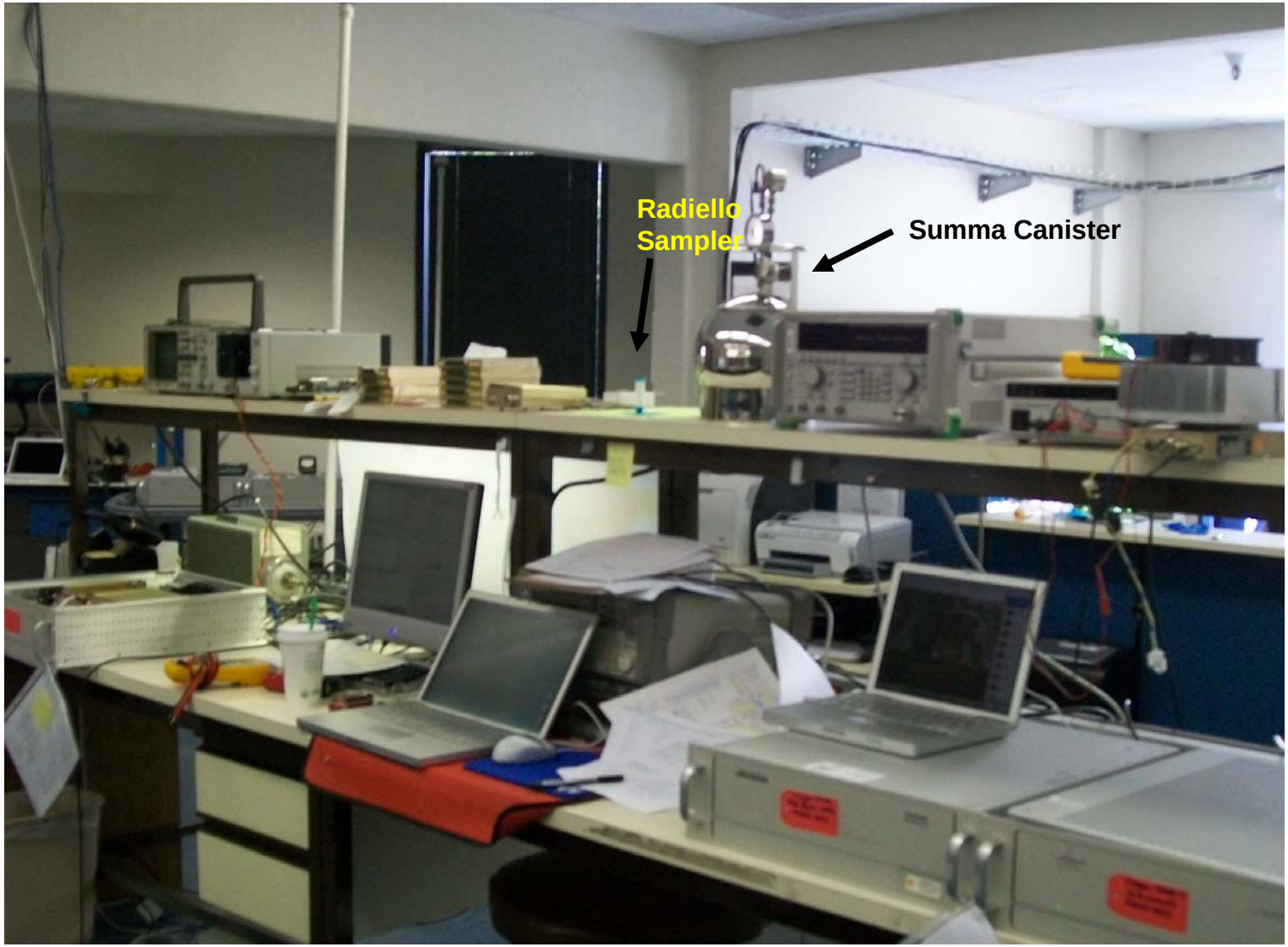
6 liter summa
near Radiello 1914 RD-01-E1 (FA073)
inside Cedar Corporation

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + hexane *

Sampler Signature: Trina Ruha

* Add leak detection gas



Indoor Air Sampling – March 10, 2010
1914 Plymouth Street

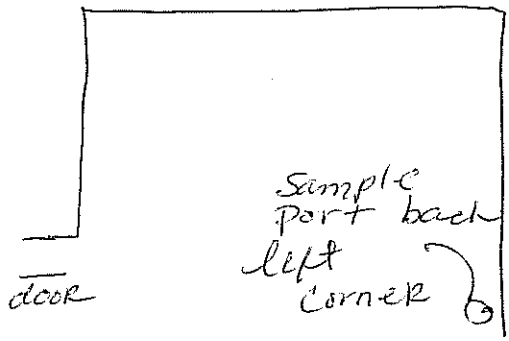
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1914SS-01-E1	Date: 3-5-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR / SL	Location Address/Description: 1914 plymouth st Mountain View, Ca

Sampling System

Canister Serial No.: 7335	Other Info:
Canister Certification Date: 1-12-10	
Canister Leak Check Date: 3-5-10	
Flow Controller Serial No.: —	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	947	952
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	0
Ambient Temperature	68°F	68°F
Flow Rate (mL/min)	—	—

Observations and Comments:

Grab sample. One liter Summa
purge for 1 min prior to collecting
sample.
inside Codar Corporation

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + isopropyl *

Sampler Signature: Teresa Ruha

* Add leak detection gas

Sub-slab Sampling –1914 Plymouth Street

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 IA -01-E1	Date: 3-4-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR/RL/SL	Location Address/Description: 935 Sierra Vista Ave Mountain View, Ca

Sampling System

Canister Serial No.: 29-10622G

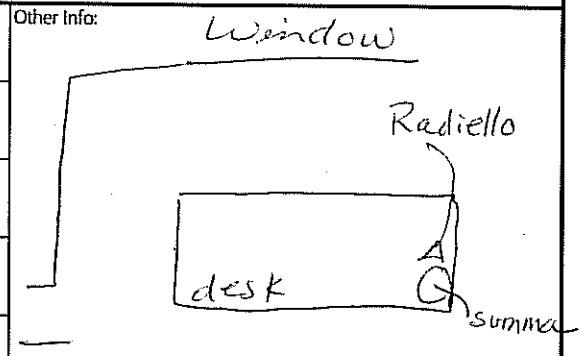
Canister Certification Date: 1-12-10

Canister Leak Check Date: —

Flow Controller Serial No.: 1855

Associated Duplicate Location ID (if applicable):

Other Info:



Sampling Log

Parameter	Date Start time	Date Stop time
Local Time	3/4 919	3/5 923
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	-3
Ambient Temperature	65°F	68°F
Flow Rate (mL/min)	24 hr	24 hr

Observations and Comments:

6 liter summa

near Radiello 935RD-01-E1 (FA072)

Sequetech Corporation inside

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + isopropyl *

Sampler Signature: Teresa Ruha

* Add leak detection gas

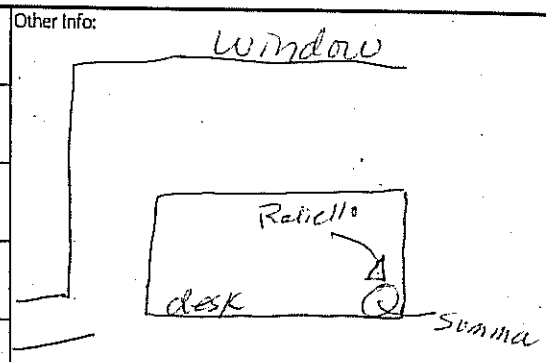
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 IA-01-E2	Date: 3-10-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR/SL	Location Address/Description: 935 Sierra Vista Ave Mountain View, ca

Sampling System

Canister Serial No.: 0135	Other Info:
Canister Certification Date: 11-18-10	
Canister Leak Check Date: —	
Flow Controller Serial No.: 415	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Date Start time	Date Stop time
Local Time	3/10 1420	3/11 1421
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	-8
Ambient Temperature	70 °F	72 °F
Flow Rate (mL/min)	24 hr	24 hr

Observations and Comments:

6 liter Summa
near Radiello 935RD-01-E1 (FA072)
inside back right office in Sequetech Corp.

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + hexane *

Sampler Signature: Teresa Ruha

* Add leak detection gas

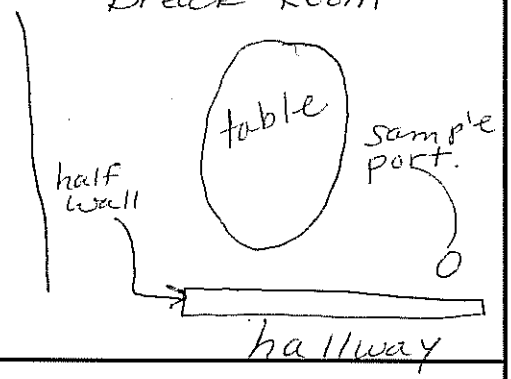
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 SS-01-E1	Date: 3-5-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR / SL	Location Address/Description: 935 Sierra Vista Ave Mountain View, Ca

Sampling System

Canister Serial No.: 7244	Other Info: Break Room
Canister Certification Date: 1-12-10	
Canister Leak Check Date: 3-5-10	
Flow Controller Serial No.: —	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	920	928
Label Dummy Time for Label		
Canister Pressure (In Hg)	-30	0
Ambient Temperature	68°F	68°F
Flow Rate (mL/min)	—	—

Observations and Comments:

Grab sample. One liter summa. purge for 1 min prior to sampling. inside Sequoia Corporation

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + isopropyl *

Sampler Signature: Teresa Ruba

* Add leak detection gas

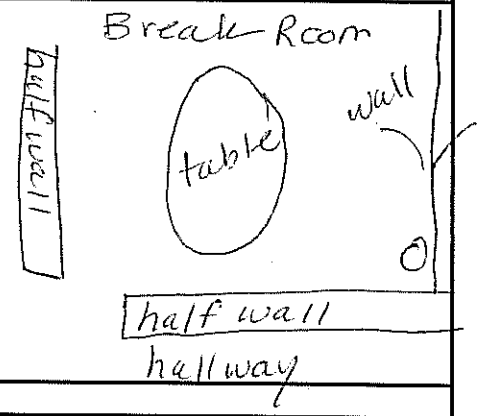
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 SS-01-E2	Date: 3-10-10 TR
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR / SL	Location Address/Description: 935 Sierra Vista Ave Mountain View, Ca

Sampling System

Canister Serial No.: 7336	Other Info:
Canister Certification Date:	
Canister Leak Check Date: 3-10-10	
Flow Controller Serial No.: —	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	1247	1252
Label Dummy Time for Label		
Canister Pressure (In Hg)	-30	0
Ambient Temperature	72 °F	72 °F
Flow Rate (mL/min)	—	—

Observations and Comments:

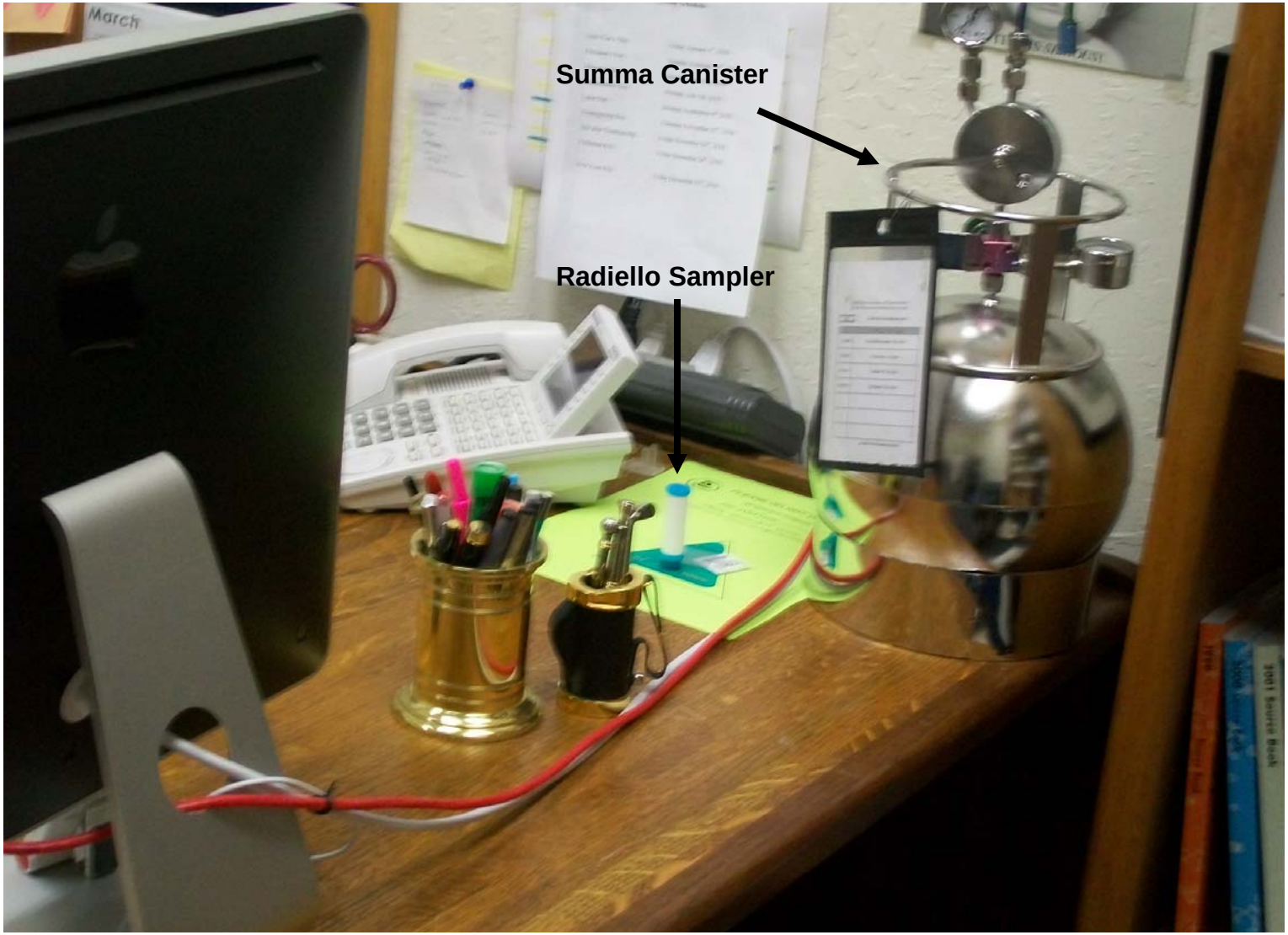
Grab sample. One liter summa purge for 1 min prior to sample inside Se quetech Corp.

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + hexane *

Sampler Signature: Teresa Ruha

* Add leak detection gas



Indoor Air Sampling – March 4, 2010
935-C Sierra Vista Avenue

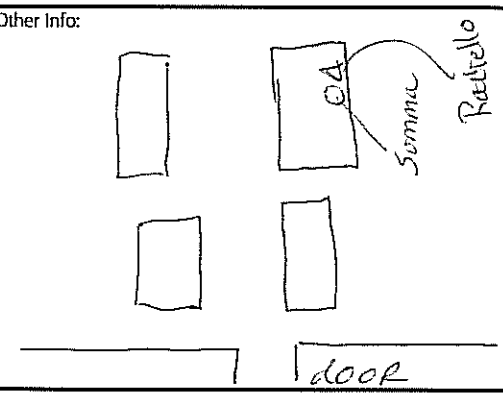
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 IA - 02 - E1	Date: 3-4-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR/RL	Location Address/Description: Sierra Vista Ave 935-F Mountain View, Ca

Sampling System

Canister Serial No.: 505	Other Info:
Canister Certification Date: 1-12-10	
Canister Leak Check Date:	
Flow Controller Serial No.: 428	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Date Start time	Date Stop time
Local Time	3/4 1035	3/5 1036
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	-3
Ambient Temperature	65°F	68°F
Flow Rate (mL/min)	24 hr	24 hr

Observations and Comments:

6 liter summa
near Radiello 935RD-02-E1 (FA071)
Co. ROD-L inside

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + ~~isopropyl~~ *

Sampler Signature: Teresa Ruha

* Add leak detection gas

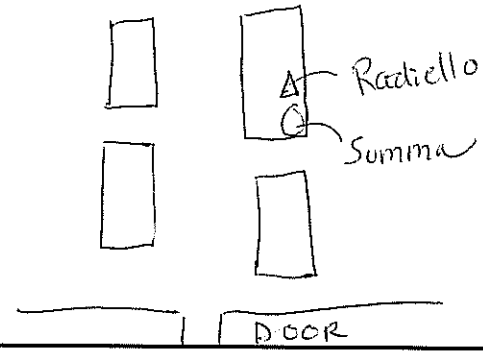
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 IA-03-E1	Date: 3-4-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR/RL	Location Address/Description: 935-F Sierra Vista Mountain View, Ca

Sampling System

Canister Serial No.: 0113	Other Info:
Canister Certification Date: 1-12-10	
Canister Leak Check Date: –	
Flow Controller Serial No.: 416	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Date Start time	Date Stop time
Local Time	3/4 1036	3/5 1037
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	-4
Ambient Temperature	65°F	68°F
Flow Rate (mL/min)	24 hr	24 hr

Observations and Comments:

6 liter summa near Radiello
935 RD-03-E1 (FA070)
Company ROD-L Duplicate of 935IA-02-E1

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + isopropyl *

Sampler Signature: Teresa Rikin

* Add leak detection gas

Indoor Air Sampling – March 4, 2010
935-F Sierra Vista Avenue

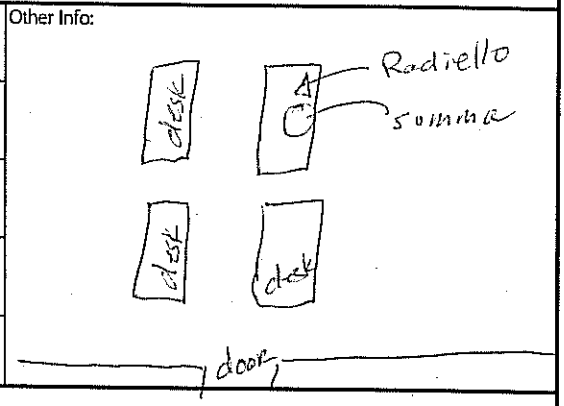
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935IA-02-E2	Date: 3-10-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR/SL	Location Address/Description: 935-F Sierra Vista Ave Mountain View Ca

Sampling System

Canister Serial No.: 454	Other Info:
Canister Certification Date: 11-18-10	
Canister Leak Check Date: —	
Flow Controller Serial No.: 1843	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Date Start time	Date Stop time
Local Time	3/10 1430	3/11 1430
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	0
Ambient Temperature	70 °F	72 °F
Flow Rate (mL/min)	24 hr	24 hr

Observations and Comments:
6 liter Summa near Radiello
935 RD-02-E1 (FA071)
inside business RoD-L

Laboratory Analytical Method(s):
TO-15 SIM for VOCs + hexane *

Sampler Signature: Teresa Ruha

* Add leak detection gas

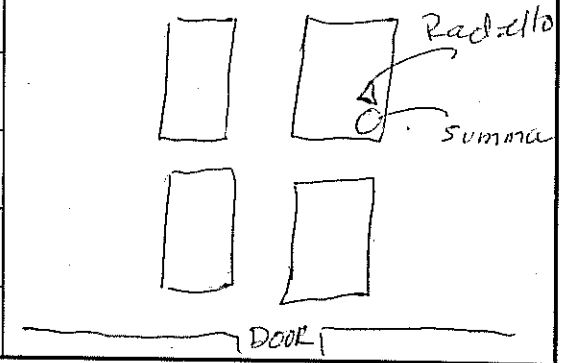
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 IA-03-E2	Date: 3-10-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR/SL	Location Address/Description: 935-F Sierra Vista Ave Mountain View, CA

Sampling System

Canister Serial No.: 773	Other Info:
Canister Certification Date: 11-18-10	
Canister Leak Check Date:	
Flow Controller Serial No.: 433	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Date Start time	Date Stop time
Local Time	3/10 1432	3/11 1432
Label Dummy Time for Label		
Canister Pressure (In Hg)	-30	TR ~~-5~~ -2
Ambient Temperature	TR ~~65~~ 70°F	72°F
Flow Rate (mL/min)	24 hr	24hr

Observations and Comments:

6 liter summa near Radiello
935 RD-03-E1 (FA070)

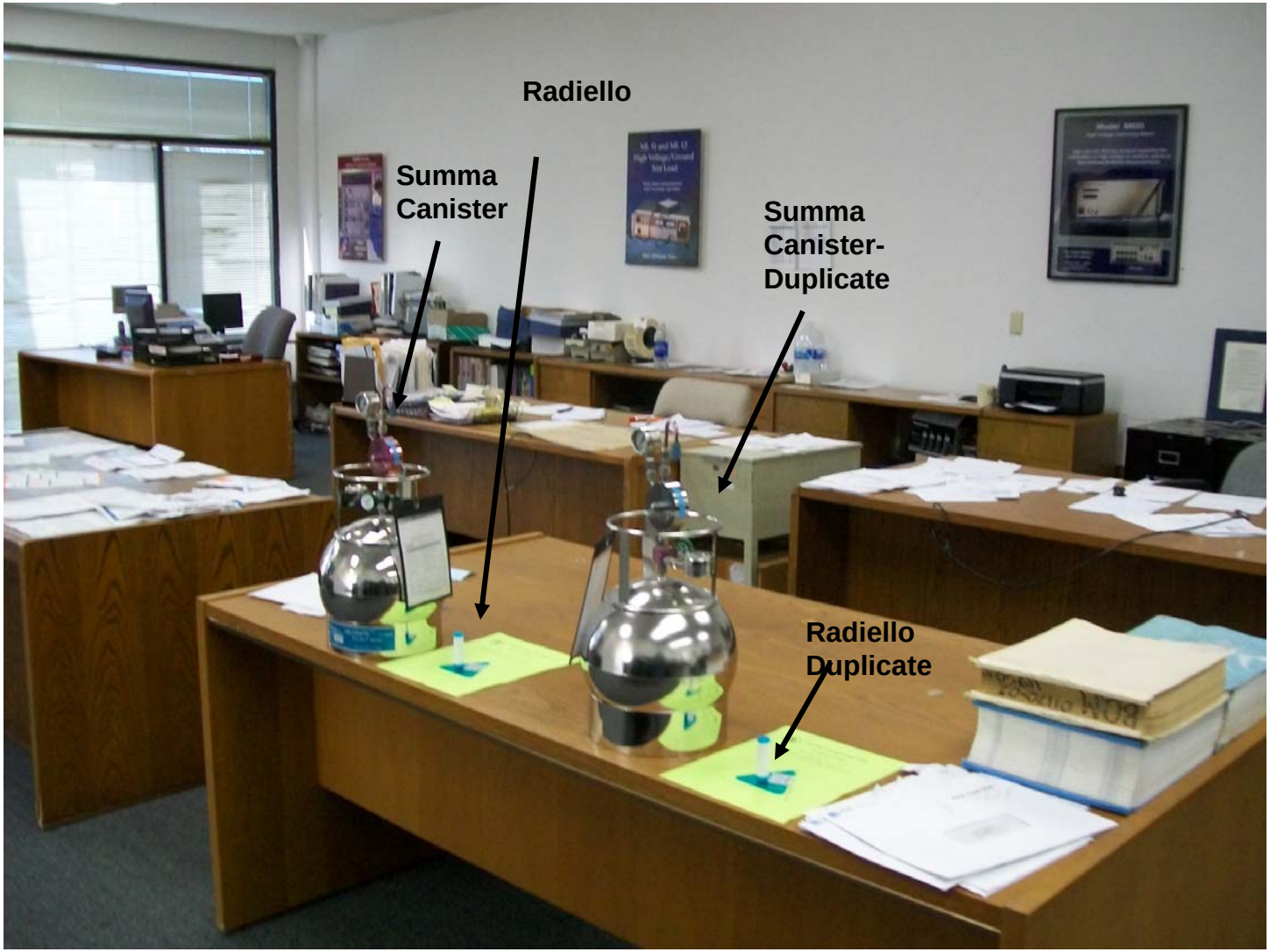
Duplicate of 935IA-02-E2

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + hexane *

Sampler Signature: Teresa Ruha

* Add leak detection gas



Indoor Air Sampling – March 10, 2010
935-F Sierra Vista Avenue

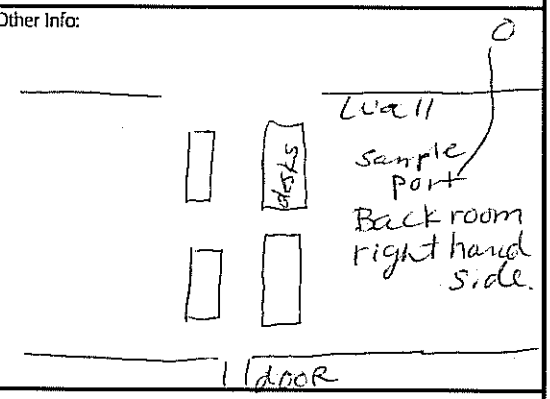
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 SS-02-E1	Date: 3-5-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR / SL	Location Address/Description: 935-F Sierra Vista Ave Mountain View, Ca

Sampling System

Canister Serial No.: 7250	Other Info:
Canister Certification Date: 1-12-10	
Canister Leak Check Date: 3-5-10	
Flow Controller Serial No.: —	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	1015	1025
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	0
Ambient Temperature	68°F	68°F
Flow Rate (mL/min)	—	—

Observations and Comments:

Grab sample. Purge for 1 min prior to collecting sample. One liter summa. Dup was taken ID 935SS-03-E1. inside RODL Comp.

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + isopropyl *

Sampler Signature: Teresa Rinka

* Add leak detection gas

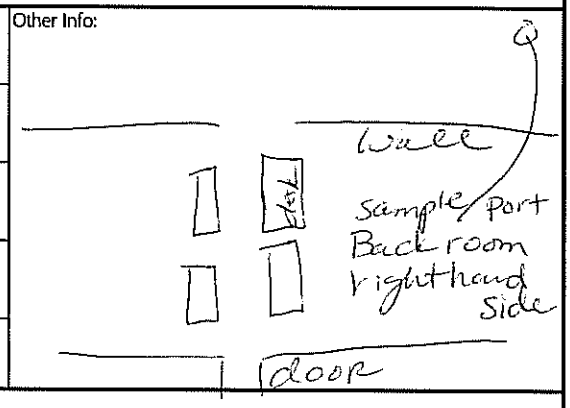
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935SS-03-E1	Date: 3-5-10
Project No.:	Project or Client: EPA
Field Crew: TR/SL	Location Address/Description: 935-F Sierra Vista Ave Mountain View, Co

Sampling System

Canister Serial No.: 7253	Other Info:
Canister Certification Date: 1-12-10	
Canister Leak Check Date: 3-5-10	
Flow Controller Serial No.: —	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	1016	1026
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	0
Ambient Temperature	68°F	68°F
Flow Rate (mL/min)	—	—

Observations and Comments:

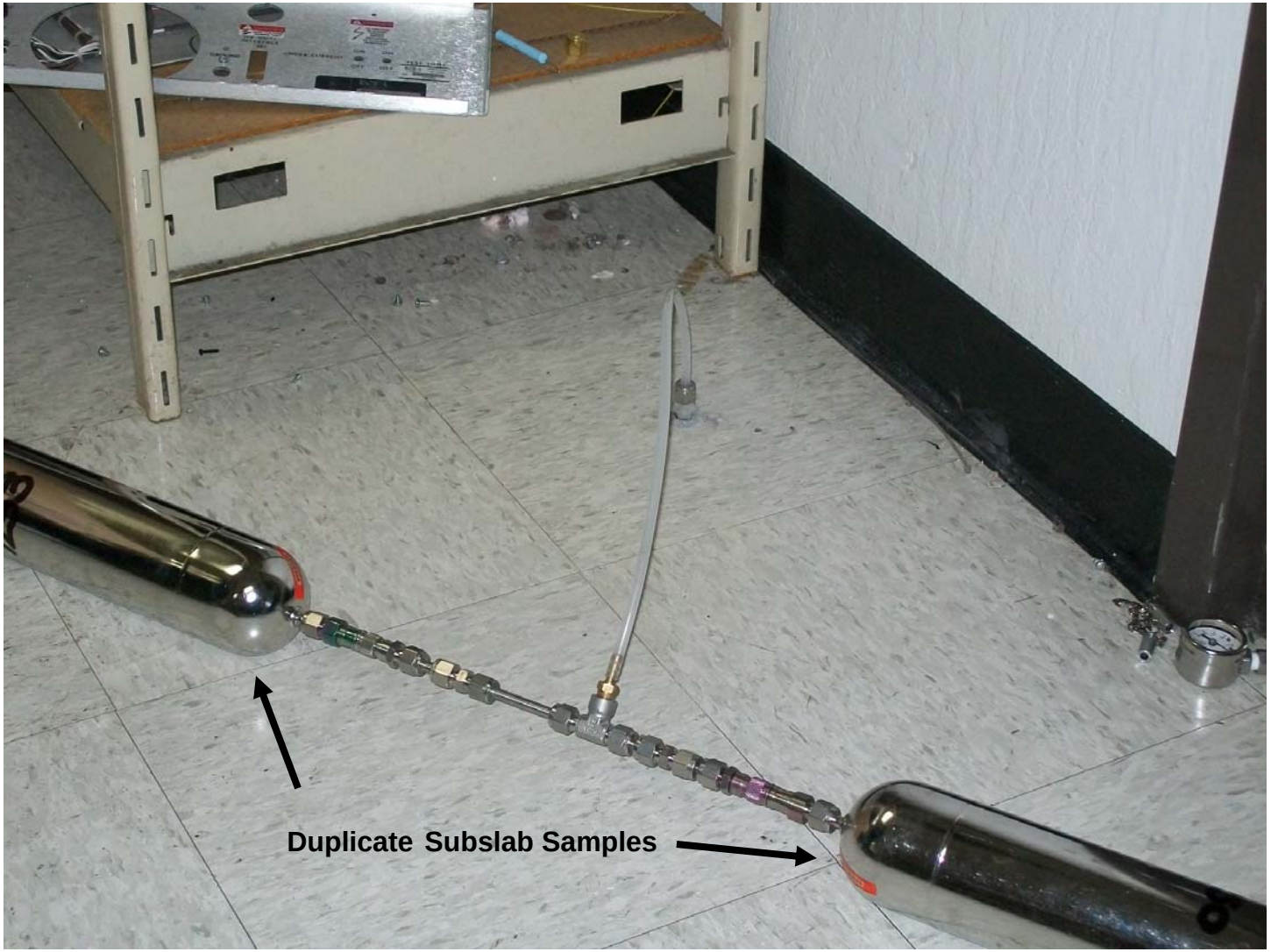
Grab sample. One liter summa. Purge for 1 min prior to sampling This is a dup. Initial is 935SS-02-E1 middle ROD-L Company.

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + iso propyl *

Sampler Signature: Teresa Richa

* Add leak detection gas



Sub-slab Sampling – March 4, 2010
935-F Sierra Vista Avenue

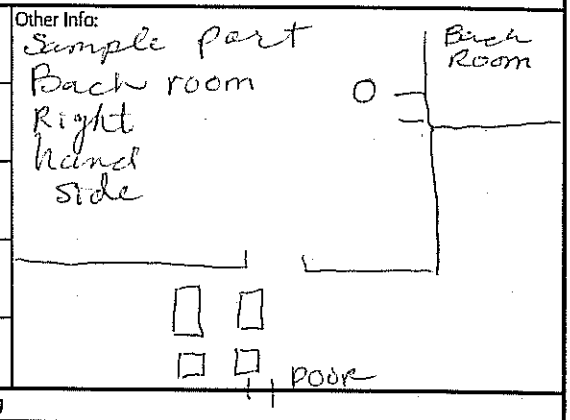
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 SS-02-E2	Date: 3-10-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TK / SL	Location Address/Description: 935-F Sierra Vista Ave Mountain View, Ca

Sampling System

Canister Serial No.: 7354	Other Info: Sample port Back room Right hand side
Canister Certification Date:	
Canister Leak Check Date: 3-11-10	
Flow Controller Serial No.: —	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	1303	1313
Label Dummy Time for Label		
Canister Pressure (In Hg)	-30	0
Ambient Temperature	72°F	72°F
Flow Rate (mL/min)	—	—

Observations and Comments:

Grab sample Purge for 1 min prior to collect sample. One liter Summa Dup was taken ID 935SS-03-E2 Sample taken inside ROD-L Comp.

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + hexane *

Sampler Signature: Teresa Ruiz

* Add leak detection gas

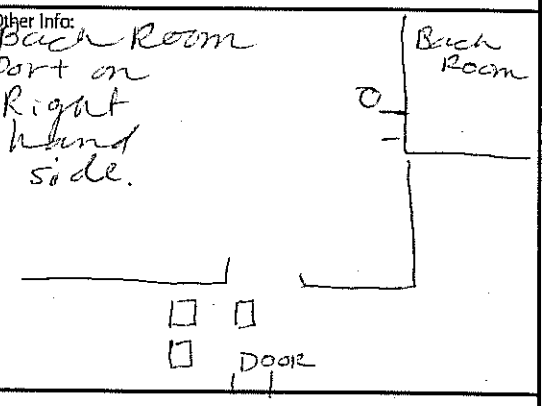
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935SS-03-E2	Date: 3-10-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR/SL	Location Address/Description: 935-F Sierra Vista Ave Mountain View, Ca

Sampling System

Canister Serial No.: 7456	Other Info: Back Room port on Right hand side.
Canister Certification Date:	
Canister Leak Check Date: 3-11-10	
Flow Controller Serial No.:	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	1305	1315
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	0
Ambient Temperature	72°F	72°F
Flow Rate (mL/min)	—	—

Observations and Comments:

Grab sample. Purge 1 min prior to taking sample. One liter summa taken inside ROD-L company

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + hexane *

Sampler Signature: Teresa Ruka

* Add leak detection gas

Sub-slab Sampling – March 10, 2010
935-F Sierra Vista Avenue

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 OA-01-E1	Date: 3-4-10
Project No.: 07163.0034	Project or Client: EPA
Field Crew: TR/RL/SL	Location Address/Description: 935 Sierra Vista Ave Mountain View, Ca

Sampling System

Canister Serial No.: 29-10622G 0126

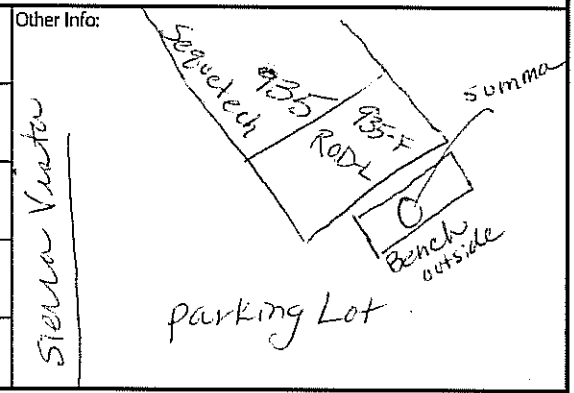
Canister Certification Date: 1-12-10

Canister Leak Check Date: —

Flow Controller Serial No.: 410

Associated Duplicate Location ID (if applicable):

Other Info:



Sampling Log

Parameter	Date Start time	Date Stop time
Local Time	3/4 830	3/5 835
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	-5
Ambient Temperature	65°F	60°F
Flow Rate (mL/min)	24 hr	24 hr

Observations and Comments:

6 liter summa

outside behind building 935-F

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + isopropyl *

Sampler Signature: Teresa Ruha

* Add leak detection gas

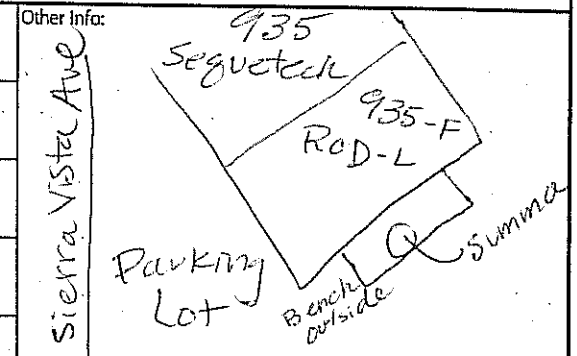
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 OA-01-E2	Date: 3-10-10
Project No.: 07163-0034	Project or Client: EPA
Field Crew: TR/SL	Location Address/Description: 935 Sierra Vista Ave Mountain View, CA

Sampling System

Canister Serial No.: 766	Other Info:
Canister Certification Date: 11-18-10	
Canister Leak Check Date: —	
Flow Controller Serial No.: 420	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Date Start time	Date Stop time
Local Time	3/10 1350	3/11 1352
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	0
Ambient Temperature	70 °F	72 °F
Flow Rate (mL/min)	24 hr	24 hr

Observations and Comments:
6 liter Summa
outside on bench behind building 935-F

Laboratory Analytical Method(s):
TO-15 SIM for VOCs + Hexane *

Sampler Signature: Teresa Ruha

* Add leak detection gas

Outdoor Air Sample - outside of 935-F Sierra Vista Avenue

~~Summa~~ ~~6-L~~

EPA Region 9 Vapor Intrusion RARE Project **Phase III** **Sampling Log**

Questions? Contact Kathy Baylor, 415-972-3351, baylor.katherine@epa.gov

Site Name CTS - Printex House/Building/Room Number 1914 Plymouth

Sample Location (e.g. warehouse, office, outdoors) office Mountain View Ca

Dupe/Lab QC sample? _____ Sampler Name/organization Teresa Roha ITSI

Summa Laboratory _____

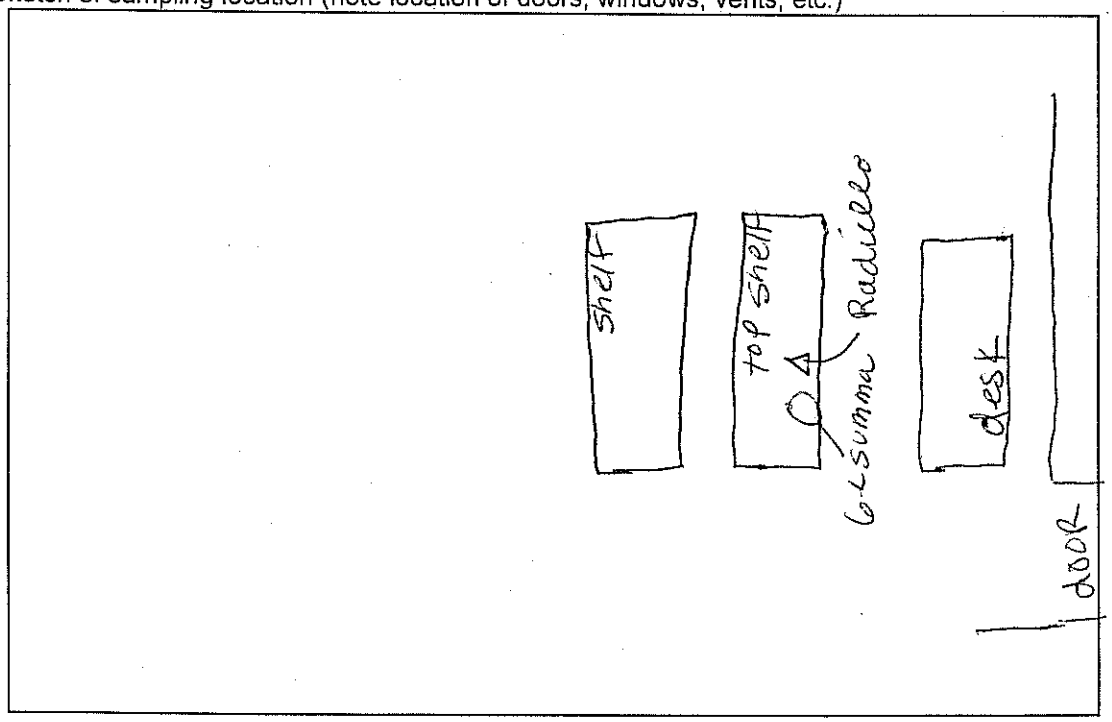
Summa Canister						
	Date	Time	Pressure (Hg")	Sample ID	Canister Number	Flow Controller Number
START	3-4-10	935	-29	1914IA-01-E1	0123	423
	3-10-10	1500	-29	1914IA-01-E2	500	427
END	3-5-10	940	-3	1914IA-01-E1	0123	423
	3-11-10	1500	-5	1914IA-01-E2	500	427

Radiello Sorbent (14 day deployment)				
	Date	Time	Radiello ID (on barcode label)	Sample ID
START	3-4-10	935	FA073	1914RD-01-E1
END	3-17-10	938	FA073	1914RD-01-E1

Potential VOC sources (check if present and explain below)

- ☐ dry cleaning
- ☐ paint
- ☐ varnish
- ☐ wood stripper
- ☐ nail polish
- ☐ candles
- ☐ tobacco use
- ☐ solvents
- ☐ new carpet
- ☐ new furniture
- ☐ pesticides
- ☐ hobby items
- ☐ other VOCs

Sketch of sampling location (note location of doors, windows, vents, etc.)



Notes/Comments: _____

EPA Region 9 Vapor Intrusion RARE Project **Phase III** **Sampling Log**

Questions? Contact Kathy Baylor, 415-972-3351, baylor.katherine@epa.gov

Site Name CTS Printex House/Building/Room Number 935-F Sierra Vista

Sample Location (e.g. warehouse, office, outdoors) office, Mountain View

Dupe/Lab QC sample? _____ Sampler Name/organization Teresa Ruha ITSI

Summa Laboratory _____

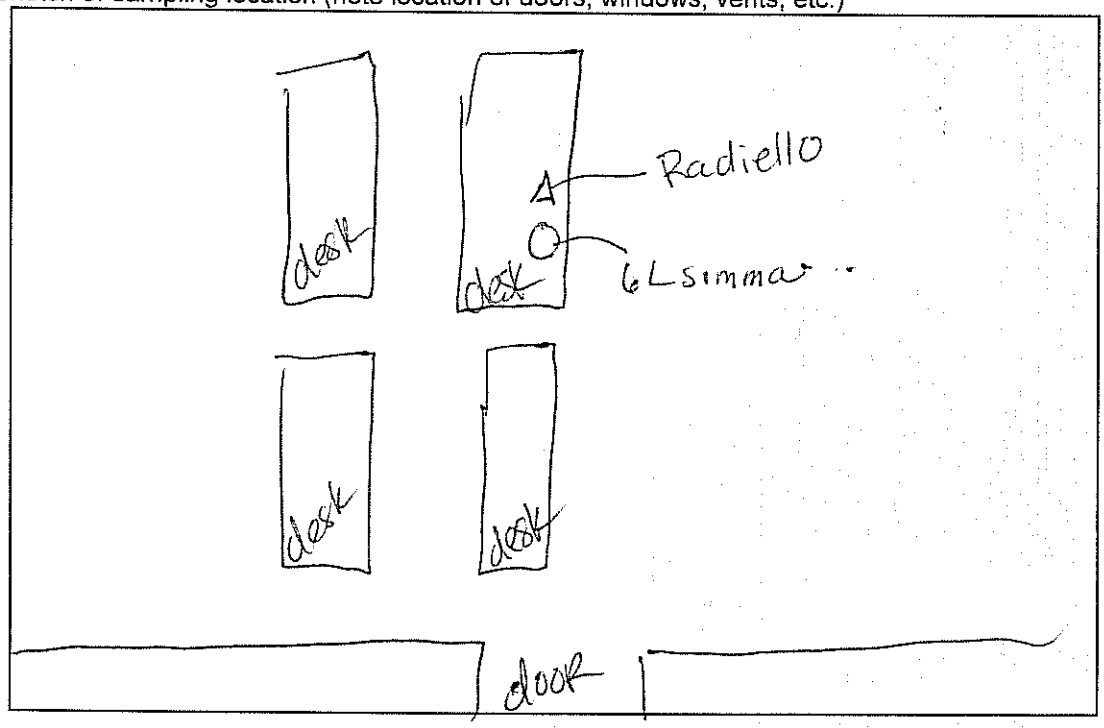
Summa Canister						
	Date	Time	Pressure (Hg")	Sample ID	Canister Number	Flow Controller Number
START	3-4-10	1036	-30	935IA-03-E1	0113	416
	3-10-10	1432	-30	935IA-03-E2	773	433
END	3-5-10	1037	-4	935IA-03-E1	0113	416
	3-10-10	1432	-2	935IA-03-E2	773	433

Radiello Sorbent (14 day deployment)				
	Date	Time	Radiello ID (on barcode label)	Sample ID
START	3-4-10	1035	FA070	935RD-03-E1
END	3-17-10	1031	FA070	935RD-03-E1

Potential VOC sources (check if present and explain below)

- ☐ dry cleaning
- ☐ paint
- ☐ varnish
- ☐ wood stripper
- ☐ nail polish
- ☐ candles
- ☐ tobacco use
- ☐ solvents
- ☐ new carpet
- ☐ new furniture
- ☐ pesticides
- ☐ hobby items
- ☐ other VOCs

Sketch of sampling location (note location of doors, windows, vents, etc.)



Notes/Comments: _____

EPA Region 9 Vapor Intrusion RARE Project **Phase III** **Sampling Log**

Questions? Contact Kathy Baylor, 415-972-3351, baylor.katherine@epa.gov

Site Name CTS - Printex House/Building/Room Number 935 - F Sierra Vista

Sample Location (e.g. warehouse, office, outdoors) office, Mountain View Ca

Dupe/Lab QC sample? 935RD-03-E1 Sampler Name/organization Teresa Ruha

Summa Laboratory 1751

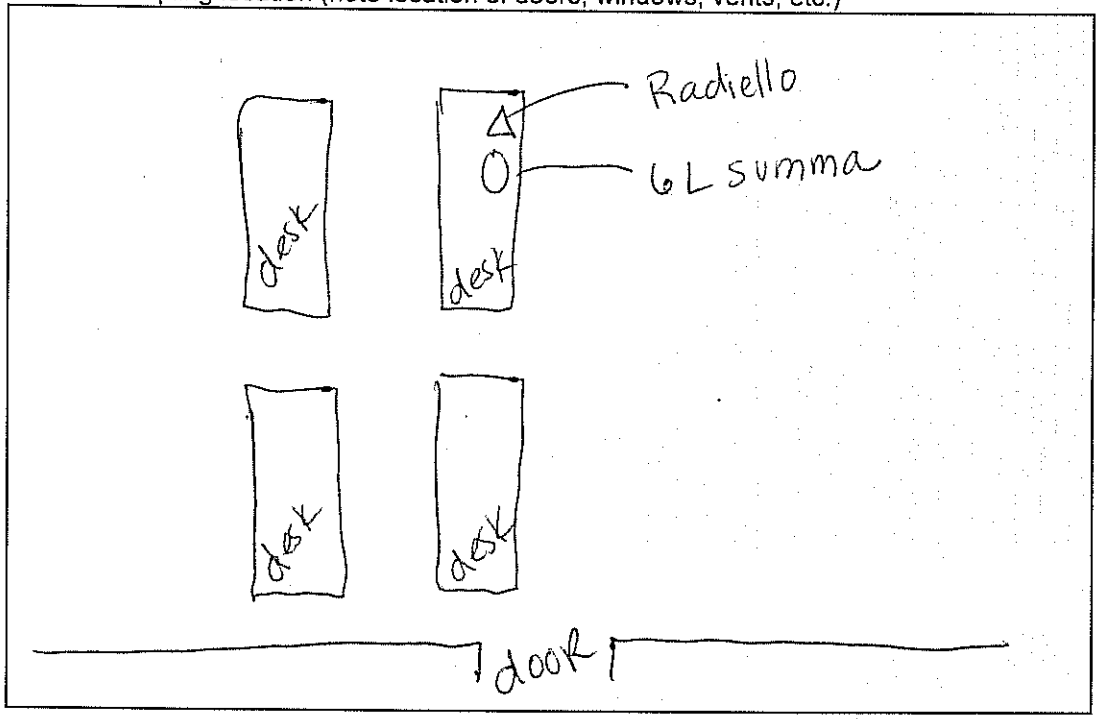
Summa Canister						
	Date	Time	Pressure (Hg")	Sample ID	Canister Number	Flow Controller Number
START	3-4-10	1035	-30	935IA-02-E1	505	428
	3-10-10	1430	-30	935IA-02-E2	454	1843
END	3-5-10	1036	-3	935IA-02-E1	505	428
	3-11-10	1430	0	935IA-02-E2	454	1843

Radiello Sorbent (14 day deployment)				
	Date	Time	Radiello ID (on barcode label)	Sample ID
START	3-4-10	1036	FA071	935 RD-02-E1
END	3-17-10	1030	FA071	935 RD-02-E1

Potential VOC sources (check if present and explain below)

- ☐ dry cleaning
- ☐ paint
- ☐ varnish
- ☐ wood stripper
- ☐ nail polish
- ☐ candles
- ☐ tobacco use
- ☐ solvents
- ☐ new carpet
- ☐ new furniture
- ☐ pesticides
- ☐ hobby items
- ☐ other VOCs

Sketch of sampling location (note location of doors, windows, vents, etc.)



Notes/Comments:

EPA Region 9 Vapor Intrusion RARE Project **Phase III** **Sampling Log**

Questions? Contact Kathy Baylor, 415-972-3351, baylor.katherine@epa.gov

Site Name CTS - Printex House/Building/Room Number 935 Sierra Vista

Sample Location (e.g. warehouse, office, outdoors) office, mountain View Ca

Dupe/Lab QC sample? _____ Sampler Name/organization Teresa Ruha ITSI

Summa Laboratory _____

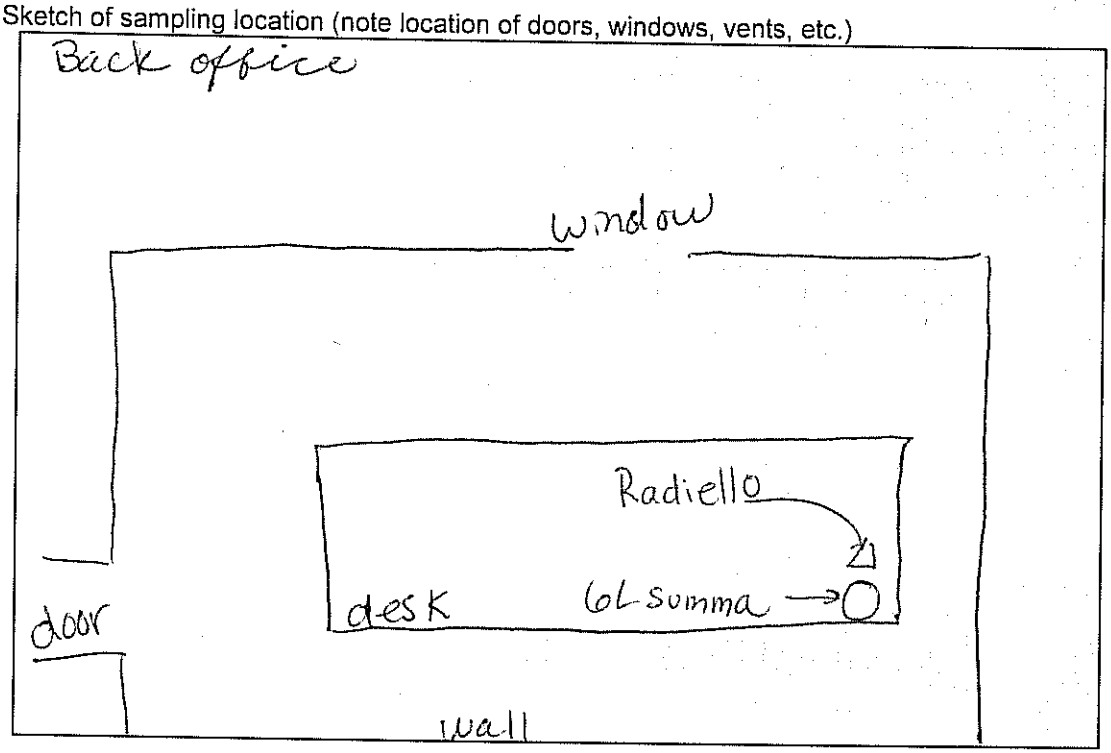
Summa Canister						
	Date	Time	Pressure (Hg")	Sample ID	Canister Number	Flow Controller Number
START	3-4-10	919	-30	935IA-01-E1	[illegible]	1855
	3-10-10	1420	-30	935IA-01-E2	0135	415
END	3-5-10	923	-3	935IA-01-E1		1855
	3-11-10	1421	-8	935IA-01-E2	0135	415

Radiello Sorbent (14 day deployment)				
	Date	Time	Radiello ID (on barcode label)	Sample ID
START	3-4-10	919	FA072	935RD-01-E1
END	3-17-10	945	FA072	935RD-01-E1

Potential VOC sources (check if present and explain below)

- ☐ dry cleaning
- ☐ paint
- ☐ varnish
- ☐ wood stripper
- ☐ nail polish
- ☐ candles
- ☐ tobacco use
- ☐ solvents
- ☐ new carpet
- ☐ new furniture
- ☐ pesticides
- ☐ hobby items
- ☐ other VOCs

Sketch of sampling location (note location of doors, windows, vents, etc.)



Notes/Comments: _____

124080

003922

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, California 94598
(925) 946-3100 – (925) 256-8998 (fax)

Local Address:

Chain-Of-Custody

Project Name and Number: CTS-Mintex
Project Manager: Riz Sarmiento
Site Location: Mountain View, Ca

Laboratory Name: EPA Region 9
Address: 1337 5 46th St Richmond Ca
Contact Name: Rich Baver
Phone: 510 412 2312

Date: 3-11-10
Page: 1 of 2

Analysis: VOC by TO-15

Preservative: —

Container Type: Summa Canister

Sample I.D.	Date	Time	Sample Depth	No. of Containers	Sample Matrix	Special Instructions/Comments
935SS-01-E2	3-11-10	1252	—	1	A	
935SS-02-E2	3-11-10	1313	—	1	A	
935SS-03-E2	3-11-10	1315	—	1	A	
1914SS-01-E2	3-11-10	1344	—	1	A	
6TB031010-E2	3-10-10	1100	—	1	A	HAND DELIVERED
7TB031010-E2	3-10-10	1100	—	1	A	@ 16PC 7341
935OA-01-E2	3-11-10	1352	—	1	A	
935IA-01-E2	3-11-10	1421	—	1	A	
935IA-02-E2	3-11-10	1430	—	1	A	
935IA-03-E2	3-11-10	1432	—	1	A	

—8

Sampled By: TR / SL
Signature: Teresa Ruha
Special Instructions:

Send Results to: Kristen Carlyon
(w/fax #) 925-256-8998

Turnaround Time:

Sampler: Teresa Ruha

Courier/Airbill No.:

Relinquished By/Affiliation:	Date:	Time:	Received By/Affiliation:	Date:	Time:
[signature]	3/12/10	0925	[signature] EPA	3/12/10	925

Original – Laboratory Yellow – Field/Office

Graphics/Stationery/chain_custody1004.ai

124080

003923

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, California 94598
(925) 946-3100 – (925) 256-8998 (fax)

Local Address:

Chain-Of-Custody

Project Name and Number: CTS-Printex D7163.0034
Project Manager: Riz Sarmiento
Site Location: Mountain View, Ca

Laboratory Name: EPA Region 9
Address: 1337 5.46th St.
Richmond Ca
Contact Name: Rich Bauer
Phone: 510 412 2312

Date: 3-11-10
Page: 2 of 2

Sample I.D.	Date	Time	Sample Depth	No. of Containers	Sample Matrix	Analysis: VOC by TO-15							Special Instructions/Comments
						Preservative:							
						Container Type: Summa Canister							
1914 IA-01-E2	3-11-10	1500	—	1	A	X							

HAND DELIVERED @ 16°C

Sampled By: TK/SL
Signature: Teresa Ruha
Special Instructions:

Send Results to: Kristen Carlson
(w/fax #) 925-256-8998

Turnaround Time:

Sampler: Teresa Ruha

Relinquished By/Affiliation:	Date:	Time:	Received By/Affiliation:	Date:	Time:
[signature]	3/12/10	0925	[signature] EPA	3/12/10	925

Courier/Airbill No.:

Original – Laboratory Yellow – Field/Office

Graphics/Stationery/chain_custody1004.ai

124080

003989

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, California 94598
(925) 946-3100 – (925) 256-8998 (fax)

Local Address:

Chain-Of-Custody

Project Name and Number: CTS Printex 07163.0034
Project Manager: Riz Sarmiento
Site Location: Mountain View, CA

Laboratory Name: Region 9
Address: 1337 5.46th Richmond, CA
Contact Name:
Phone: 510-412-2331

Date: 3-5-10
Page: 1 of 2

Analysis: VOC by TO-15
Preservative:
Container Type: Summa Canisters

Sample I.D.	Date	Time	Sample Depth	No. of Containers	Sample Matrix	Special Instructions/Comments
TB-030410	3-4-10	800		1	A	
935 OA-01-E1	3-5-10	835		1	A	
TB02-030410	3-4-10	800		1	A	
MIP-4-4-56	2-25-10	1650		1	A	
935IA-01-E1	3-5-10	923		1	A	
935SS-01-E1	3-5-10	928		1	A	
1914IA-01-E1	3-5-10	940		1	A	
1914SS-01-E1	3-5-10	952		1	A	
935SS-02-E1	3-5-10	1025		1	A	
935SS-03-E1	3-5-10	1026		1	A	HAND DELIVERED @23C

Sampled By: TR / SL
Signature: Teresa Ruha
Special Instructions:

Send Results to: Riz Sarmiento and Kristen Carlyon
(w/fax #)
Turnaround Time:

Sampler: Tom SL

Relinquished By/Affiliation:	Date:	Time:	Received By/Affiliation:	Date:	Time:
[illegible]	3/5/10	1144	[illegible]	3/5/10	1145

Courier/Airbill No.:

Original – Laboratory Yellow – Field/Office

Graphics/Stationery/chain_custody1004.ai

124080

003990

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, California 94598
(925) 946-3100 – (925) 256-8998 (fax)

Local Address:

Chain-Of-Custody

Project Name and Number: CTS Printex 07163.0034
Project Manager: Riz Sarmiento
Site Location: Mountain View, CA

Laboratory Name: Region 9
Address: 1337 S. 46th Richmond, CA
Contact Name:
Phone: 510-412-2331

Date: 3-5-10
Page: 2 of 2

Analysis: VOC by TO-15
Preservative:
Container Type: Summa Canister

Sample I.D.	Date	Time	Sample Depth	No. of Containers	Sample Matrix	Special Instructions/Comments
935IA-02-E1	3-5-10	1036		1	A	
935IA-03-E1	3-5-10	1037		1	A	

HAND DELIVERED @ 23°C

Sampled By: TR/SL
Signature: Teresa Ruha
Special Instructions:
Send Results to: Riz Sarmiento (w/fax #)
Turnaround Time:

Sampler: Tom SL

Relinquished By/Affiliation:	Date:	Time:	Received By/Affiliation:	Date:	Time:
[illegible]	3/5/10	11:44	[illegible]	3/5/10	1145

Courier/Airbill No.:

Original – Laboratory Yellow – Field/Office

Graphics/Stationery/chain_custody1004.ai

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R10S41**
SDG: 10064G

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Raymond Chavira**
California Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **CTS Printex February 2010 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: Riz Sarmiento, ITSI
Kristen Carlyon, ITSI

Analyses included in this report:

Volatile Organics by GC/MS SIM

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10064G
Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 03/25/10 10:29
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
TB-030410 can 134	1003017-01	Air	03/04/10 08:00	03/05/10 11:45
935-OA-01-E1 can 126	1003017-02	Air	03/05/10 08:35	03/05/10 11:45
935IA-01-E1 can 516	1003017-05	Air	03/05/10 09:23	03/05/10 11:45
1914IA-01-E1 can 123	1003017-07	Air	03/05/10 09:40	03/05/10 11:45
935IA-02-E1 can 505	1003017-11	Air	03/05/10 10:36	03/05/10 11:45
935IA-03-E1 can 113	1003017-12	Air	03/05/10 10:37	03/05/10 11:45

SDG ID 10064G

Work Order(s)

1003017

Sample results are reported in ug/m3. However, despite the column header, results for the LCS samples are reported in pptv.

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10064G
Project Number:	R10S41	**75 Hawthorne Street**	**Reported:** 03/25/10 10:29
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1003017-01									**Air - Sampled: 03/04/10 08:00**
Sample ID: TB-030410 can 134									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0C0058	03/09/10	03/10/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		ND	U	0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		ND	U	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		ND	U	0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene		ND	U	0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1003017-02									**Air - Sampled: 03/05/10 08:35**
Sample ID: 935-OA-01-E1 can 126									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0C0058	03/09/10	03/10/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.51		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.14	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.11	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		1.0		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.45		0.27	"	"	"	"	TO-15 SIM
Toluene		3.2	C2, J	0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		0.24	C1, J	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1003017-05									**Air - Sampled: 03/05/10 09:23**
Sample ID: 935IA-01-E1 can 516									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	J, U	0.13	ug/m³ Air	B0C0058	03/09/10	03/10/10	TO-15 SIM
1,1-Dichloroethene		0.10	C1, J	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		58	C2, J	0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		1.0		0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		1.4		0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.16	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		1.3		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.84		0.27	"	"	"	"	TO-15 SIM

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10064G
Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 03/25/10 10:29
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1003017-05									**Air - Sampled: 03/05/10 09:23**
Sample ID: 935IA-01-E1 can 516									**Volatile Organic Compounds by TO-15**
Toluene		15	C2, J	0.19	ug/m³ Air	B0C0058	03/09/10	03/10/10	TO-15 SIM
Tetrachloroethene		0.18	C1, J	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1003017-07									**Air - Sampled: 03/05/10 09:40**
Sample ID: 1914IA-01-E1 can 123									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0C0058	03/09/10	03/10/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.33		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.23	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		0.18	C1, J	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.13	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		1.3		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		1.1		0.27	"	"	"	"	TO-15 SIM
Toluene		20	C2, J	0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1003017-11									**Air - Sampled: 03/05/10 10:36**
Sample ID: 935IA-02-E1 can 505									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	J, U	0.13	ug/m³ Air	B0C0058	03/09/10	03/10/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		150	C2, J	0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.22	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		3.3	C2, J	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.13	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		1.3		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene		37	C2, J	0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1003017-12									**Air - Sampled: 03/05/10 10:37**
Sample ID: 935IA-03-E1 can 113									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	J, U	0.13	ug/m³ Air	B0C0058	03/09/10	03/10/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		150	C2, J	0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.23	C1, J	0.24	"	"	"	"	TO-15 SIM

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10064G
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	03/25/10 10:29
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**1003017-12**								**Air - Sampled: 03/05/10 10:37**
Sample ID:	**935IA-03-E1 can 113**								**Volatile Organic Compounds by TO-15**
1,1,1-Trichloroethane		3.5	C2, J	0.27	ug/m³ Air	B0C0058	03/09/10	03/10/10	TO-15 SIM
1,2-Dichloroethane		0.13	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		1.3		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene		37	C2, J	0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM

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Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10064G
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	03/25/10 10:29
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0058 - - General Air prep - TO15 SIM									**Prepared: 03/09/10 Analyzed: 03/10/10**	
									Volatile Organic Compounds by TO-15 - Quality Control	
Blank (B0C0058-BLK1)										
Vinyl chloride	ND	U	0.13	ug/m³ Air						
1,1-Dichloroethene	ND	U	0.2	"						
Dichloromethane	ND	U	0.17	"						
trans-1,2-Dichloroethene	ND	U	0.2	"						
1,1-Dichloroethane	ND	U	0.2	"						
Chloroform	ND	U	0.24	"						
1,1,1-Trichloroethane	ND	U	0.27	"						
1,2-Dichloroethane	ND	U	0.2	"						
Benzene	ND	U	0.16	"						
Trichloroethene	ND	U	0.27	"						
Toluene	ND	U	0.19	"						
Tetrachloroethene	ND	U	0.34	"						
LCS (B0C0058-BS1)										
Vinyl chloride	52.6			ug/m³ Air	51.0		103	70-130		
1,1-Dichloroethene	50.7			"	49.0		103	70-130		
Dichloromethane	51.4			"	49.5		104	70-130		
trans-1,2-Dichloroethene	53.9			"	54.5		99	70-130		
1,1-Dichloroethane	50.4			"	50.0		101	70-130		
Chloroform	51.3			"	50.0		103	70-130		
1,1,1-Trichloroethane	51.7			"	50.5		102	70-130		
1,2-Dichloroethane	50.9			"	50.5		101	70-130		
Benzene	50.8			"	50.5		101	70-130		
Trichloroethene	52			"	50.5		103	70-130		
Toluene	50.8			"	50.5		101	70-130		
Tetrachloroethene	51.5			"	50.5		102	70-130		
LCS (B0C0058-BS2)										
Vinyl chloride	236			ug/m³ Air	275		86	70-130		
1,1-Dichloroethene	229			"	262		87	70-130		
Dichloromethane	243			"	268		91	70-130		
1,1-Dichloroethane	246			"	268		92	70-130		
Chloroform	257			"	270		95	70-130		
1,1,1-Trichloroethane	250			"	270		93	70-130		
1,2-Dichloroethane	271			"	270		100	70-130		
Benzene	254			"	272		93	70-130		
Trichloroethene	266			"	272		98	70-130		
Toluene	270			"	272		99	70-130		
Tetrachloroethene	265			"	270		98	70-130		
LCS (B0C0058-BS3)										
trans-1,2-Dichloroethene	218			ug/m³ Air	260		84	70-130		

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10064G
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	03/25/10 10:29
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0058 - - General Air prep - TO15 SIM									**Prepared: 03/09/10 Analyzed: 03/10/10**	
									Volatile Organic Compounds by TO-15 - Quality Control	
LCS (B0C0058-BS4)										
Vinyl chloride	51.6			ug/m³ Air	51.0		101	70-130		
1,1-Dichloroethene	50.7			"	49.0		103	70-130		
Dichloromethane	53.4			"	49.5		108	70-130		
trans-1,2-Dichloroethene	50.2			"	54.5		92	70-130		
1,1-Dichloroethane	45.2			"	50.0		90	70-130		
Chloroform	45.9			"	50.0		92	70-130		
1,1,1-Trichloroethane	45.6			"	50.5		90	70-130		
1,2-Dichloroethane	46.3			"	50.5		92	70-130		
Benzene	48.4			"	50.5		96	70-130		
Trichloroethene	48.1			"	50.5		95	70-130		
Toluene	56.7			"	50.5		112	70-130		
Tetrachloroethene	46.7			"	50.5		92	70-130		
Duplicate (B0C0058-DUP1)		**Source: 1003017-07**								
Vinyl chloride	ND	U	0.13	ug/m³ Air		ND				20
1,1-Dichloroethene	ND	U	0.2	"		ND				20
Dichloromethane	0.323		0.17	"		0.331			3	20
trans-1,2-Dichloroethene	ND	U	0.2	"		ND				20
1,1-Dichloroethane	ND	U	0.2	"		ND				20
Chloroform	0.221	C1, J	0.24	"		0.225			2	20
1,1,1-Trichloroethane	0.176	C1, J	0.27	"		0.184			4	20
1,2-Dichloroethane	0.127	C1, J	0.2	"		0.129			1	20
Benzene	1.32		0.16	"		1.32			0.4	20
Trichloroethene	1.11		0.27	"		1.12			0.8	20
Toluene	20.2	C2, J	0.19	"		20.1			0.5	20
Tetrachloroethene	ND	U	0.34	"		ND				20

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Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	03/25/10 10:29
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Qualifiers and Comments

J	The reported result for this analyte should be considered an estimated value.
C2	The reported concentration for this analyte is above the calibration range of the instrument.
C1	The reported concentration for this analyte is below the quantitation limit.
U	Not Detected
NR	Not Reported
RE1, RE2, etc:	Result is from a sample re-analysis.

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R10S41**
SDG: 10071C

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Raymond Chavira**
California Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **CTS Printex February 2010 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: Riz Sarmiento, ITSI
Kristen Carlyon, ITSI

Analyses included in this report:

Volatile Organics by GC/MS SIM

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Region 9 Laboratory

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Project Manager: Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10071C
Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 03/25/10 08:51
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
6TB-031010-E2 can 775	1003037-05	Air	03/10/10 11:00	03/12/10 09:25
935OA-01-E2 can 0135	1003037-07	Air	03/11/10 13:52	03/12/10 09:25
935IA-01-E2 can 766	1003037-08	Air	03/11/10 14:21	03/12/10 09:25
935IA-02-E2 can 454	1003037-09	Air	03/11/10 14:30	03/12/10 09:25
935IA-03-E2 can 773	1003037-10	Air	03/11/10 14:32	03/12/10 09:25
1914IA-01-E2 can 500	1003037-11	Air	03/11/10 15:00	03/12/10 09:25

SDG ID 10071C

Work Order(s)

1003037

Upon receipt, canister 0135 and 766 had their canister tags switched with each other. Subsequent analysis showed that these samples may have been mislabled based on previous analytical results (SDG 10064G). Results are reported in accordance with the information provided in the chain of custody.

Sample results are reported in ug/m3. However, despite the column header, results for LCS samples are reported in pptv.

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Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 03/25/10 08:51
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1003037-05									**Air - Sampled: 03/10/10 11:00**
Sample ID: 6TB-031010-E2 can 775									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0C0092	03/12/10	03/17/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		ND	U	0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		ND	U	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		ND	U	0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene		ND	U	0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1003037-07									**Air - Sampled: 03/11/10 13:52**
Sample ID: 935OA-01-E2 can 0135									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0C0092	03/12/10	03/16/10	TO-15 SIM
1,1-Dichloroethene		0.10	C1, J	0.20	"	"	"	"	TO-15 SIM
Dichloromethane	RE1	2.8		0.52	"	"	"	03/16/10	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	03/16/10	TO-15 SIM
1,1-Dichloroethane		0.13	C1, J	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.95		0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		1.3		0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.17	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		1.5		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.89		0.27	"	"	"	"	TO-15 SIM
Toluene		15	C2, J	0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1003037-08									**Air - Sampled: 03/11/10 14:21**
Sample ID: 935IA-01-E2 can 766									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0C0092	03/12/10	03/17/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.29		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.16	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.11	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		1.3		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM

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Project Number:	R10S41	**75 Hawthorne Street**	**Reported:** 03/25/10 08:51
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1003037-08									**Air - Sampled: 03/11/10 14:21**
Sample ID: 935IA-01-E2 can 766									**Volatile Organic Compounds by TO-15**
Toluene		4.1	C2, J	0.19	ug/m³ Air	B0C0092	03/12/10	03/17/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1003037-09									**Air - Sampled: 03/11/10 14:30**
Sample ID: 935IA-02-E2 can 454									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0C0092	03/12/10	03/17/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane	RE1	5.5		5.2	"	"	"	03/17/10	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	03/17/10	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.22	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		3.2	C2, J	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.13	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		1.4		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	20		5.6	"	"	"	03/17/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	03/17/10	TO-15 SIM
Lab ID: 1003037-10									**Air - Sampled: 03/11/10 14:32**
Sample ID: 935IA-03-E2 can 773									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0C0092	03/12/10	03/17/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane	RE1	5.6		5.2	"	"	"	03/17/10	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	03/17/10	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.27		0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		3.4	C2, J	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.13	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		1.5		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	20		5.6	"	"	"	03/17/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	03/17/10	TO-15 SIM
Lab ID: 1003037-11									**Air - Sampled: 03/11/10 15:00**
Sample ID: 1914IA-01-E2 can 500									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0C0092	03/12/10	03/17/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.36		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.25		0.24	"	"	"	"	TO-15 SIM

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Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	03/25/10 08:51
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1003037-11									**Air - Sampled: 03/11/10 15:00**
Sample ID: 1914IA-01-E2 can 500									**Volatile Organic Compounds by TO-15**
1,1,1-Trichloroethane		0.20	C1, J	0.27	ug/m³ Air	B0C0092	03/12/10	03/17/10	TO-15 SIM
1,2-Dichloroethane		0.13	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		1.4		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		1.1		0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	4.9	C1, J	5.6	"	"	"	03/17/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	03/17/10	TO-15 SIM

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Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	03/25/10 08:51
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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0092 - - General Air prep - TO15 SIM									**Prepared: 03/12/10 Analyzed: 03/16/10**	
									Volatile Organic Compounds by TO-15 - Quality Control	
Blank (B0C0092-BLK1)										
Vinyl chloride	ND	U	0.13	ug/m³ Air						
1,1-Dichloroethene	ND	U	0.2	"						
Dichloromethane	ND	U	0.17	"						
trans-1,2-Dichloroethene	ND	U	0.2	"						
1,1-Dichloroethane	ND	U	0.2	"						
Chloroform	ND	U	0.24	"						
1,1,1-Trichloroethane	ND	U	0.27	"						
1,2-Dichloroethane	ND	U	0.2	"						
Benzene	ND	U	0.16	"						
Trichloroethene	ND	U	0.27	"						
Toluene	ND	U	0.19	"						
Tetrachloroethene	ND	U	0.34	"						
LCS (B0C0092-BS1)										
Vinyl chloride	38.9			ug/m³ Air	51.0		76	60-140		
1,1-Dichloroethene	41.1			"	49.0		84	60-140		
Dichloromethane	42.4			"	49.5		86	60-140		
trans-1,2-Dichloroethene	42.4			"	54.5		78	60-140		
1,1-Dichloroethane	43.9			"	50.0		88	60-140		
Chloroform	44.6			"	50.0		89	60-140		
1,1,1-Trichloroethane	42.5			"	50.5		84	60-140		
1,2-Dichloroethane	45.2			"	50.5		90	60-140		
Benzene	45.7			"	50.5		90	60-140		
Trichloroethene	43.4			"	50.5		86	60-140		
Toluene	48.6			"	50.5		96	60-140		
Tetrachloroethene	46			"	50.5		91	60-140		
LCS (B0C0092-BS2)										
Vinyl chloride	241			ug/m³ Air	275		88	70-130		
1,1-Dichloroethene	243			"	262		92	70-130		
Dichloromethane	253			"	268		95	70-130		
1,1-Dichloroethane	245			"	268		92	70-130		
Chloroform	256			"	270		95	70-130		
1,1,1-Trichloroethane	255			"	270		94	70-130		
1,2-Dichloroethane	258			"	270		96	70-130		
Benzene	248			"	272		91	70-130		
Trichloroethene	264			"	272		97	70-130		
Toluene	255			"	272		93	70-130		
Tetrachloroethene	268			"	270		99	70-130		
LCS (B0C0092-BS3)										
trans-1,2-Dichloroethene	233			ug/m³ Air	260		90	70-130		

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0092 - - General Air prep - TO15 SIM									**Prepared: 03/12/10 Analyzed: 03/17/10**	
									Volatile Organic Compounds by TO-15 - Quality Control	
LCS (B0C0092-BS4)										
Vinyl chloride	45.4			ug/m³ Air	51.0		89	70-130		
1,1-Dichloroethene	47.9			"	49.0		98	60-140		
Dichloromethane	44.7			"	49.5		90	60-140		
trans-1,2-Dichloroethene	49.4			"	54.5		91	60-140		
1,1-Dichloroethane	45.8			"	50.0		92	60-140		
Chloroform	48			"	50.0		96	60-140		
1,1,1-Trichloroethane	47.3			"	50.5		94	60-140		
1,2-Dichloroethane	47.7			"	50.5		94	60-140		
Benzene	47.6			"	50.5		94	60-140		
Trichloroethene	52.4			"	50.5		104	60-140		
Toluene	49.3			"	50.5		98	60-140		
Tetrachloroethene	49			"	50.5		97	60-140		
Duplicate (B0C0092-DUP1)		**Source: 1003037-07**								
Vinyl chloride	ND	U	0.13	ug/m³ Air		ND				20
1,1-Dichloroethene	0.109	C1, J	0.2	"		0.104			5	20
Dichloromethane	3.36		0.17	"		3.23			4	20
trans-1,2-Dichloroethene	ND	U	0.2	"		ND				20
1,1-Dichloroethane	0.127	C1, J	0.2	"		0.132			4	20
Chloroform	0.96		0.24	"		0.948			1	20
1,1,1-Trichloroethane	1.41		0.27	"		1.33			6	20
1,2-Dichloroethane	0.174	J	0.2	"		0.169			3	20
Benzene	1.57		0.16	"		1.47			7	20
Trichloroethene	0.958		0.27	"		0.887			8	20
Toluene	16.3	C2, J	0.19	"		15.4			6	20
Tetrachloroethene	ND	U	0.34	"		ND				20

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Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	03/25/10 08:51
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Qualifiers and Comments

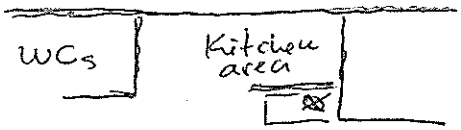
J	The reported result for this analyte should be considered an estimated value.
C2	The reported concentration for this analyte is above the calibration range of the instrument.
C1	The reported concentration for this analyte is below the quantitation limit.
U	Not Detected
NR	Not Reported
RE1, RE2, etc:	Result is from a sample re-analysis.

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1914COD-1A-06-E3	Date: 6/18/2010
Project No.: 0116310034	Project or Client:
Field Crew: R Leong	Location Address/Description: 1914 Plymouth St. (CODAR) [redacted]

Sampling System

Canister Serial No.: 454	Other Info: 
Canister Certification Date: 06/09/10	
Canister Leak Check Date: 06/18/10	
Flow Controller Serial No.: 00416	
Associated Duplicate Location ID (if applicable):	

Sampling Log

Parameter	Start	Stop
Local Time	06/18/10 @ 1550	06/19/10 @ 16:24
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	-3.5
Ambient Temperature	78 °F	77 °F
Flow Rate (mL/min)	3.7 ccm	

Observations and Comments:

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

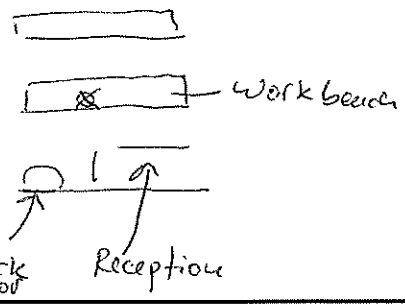
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1914 CODAR-1A-01-E3	Date: 6/18/2010
Project No.: 01163.0034	Project or Client: CTS Printex
Field Crew: R Leong	Location Address/Description: 1914 Plymouth St. (CODAR) [redacted]

Sampling System

Canister Serial No.: 0113	Other Info:
Canister Certification Date: 06/09/10	
Canister Leak Check Date: 06/18/10	
Flow Controller Serial No.: 00420	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	06/18/10 @ 16:02	6/19/10 @ 16:30
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	0
Ambient Temperature	76	75
Flow Rate (mL/min)	3.6 ccm	

Observations and Comments:

CODAR work Area just inside of the rear door entrance.

Laboratory Analytical Method(s): TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

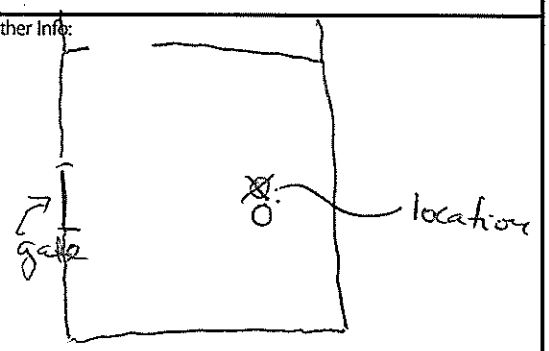
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1914 COD-1A-08-E3	Date: 6/18/2010
Project No.: 07163.0034	Project or Client: CTS Printex
Field Crew: R Leong	Location Address/Description: 1914, Plymouth St.

Sampling System

Canister Serial No.: 775	Other Info:
Canister Certification Date: 06/09/10	
Canister Leak Check Date: 06/18/10	
Flow Controller Serial No.: 00427	
Associated Duplicate Location ID (if applicable): Duplicate of IA-10-E3	



Sampling Log

Parameter	Start	Stop
Local Time	06/18/10 @ 16:46	06/18/10 @ 16:49
Label Dummy Time for Label	—	—
Canister Pressure (in Hg)	-30	-6.5
Ambient Temperature	75	75
Flow Rate (mL/min)	3.7 ccm	

Observations and Comments:

Warehouse area set on a cabinet

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

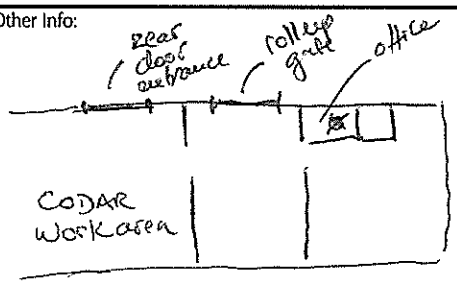
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1914COD-1A-09-E3	Date: 6/18/2010
Project No.:	Project or Client:
Field Crew: R. Leong	Location Address/Description: 1914 Plymouth St. (CODAR)

Sampling System

Canister Serial No.: 0119	Other Info:
Canister Certification Date: 06/09/10	
Canister Leak Check Date: 06/18/10	
Flow Controller Serial No.: 01847	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	06/18/10 @ 15:45	06/19/10 @ 16:18
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	-2
Ambient Temperature	76°F	77°F
Flow Rate (mL/min)	3.6 CCM	

Observations and Comments:

Canister set on a desk table height.

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1914 COD-1A-10-E3	Date: 6/18/2010
Project No.: 07163.0034	Project or Client: CTS Printex
Field Crew: ~~0134~~ R Leong	Location Address/Description: 1914 Plymouth St.

Sampling System

Canister Serial No.: 0134	Other Info:
Canister Certification Date: 6/9/10	
Canister Leak Check Date: 6/18/10	
Flow Controller Serial No.: 00423	
Associated Duplicate Location ID (if applicable): ~~1A-08-E3~~ R	

Sampling Log

Parameter	Start	Stop
Local Time	6/18/10 @ 16:45	6/19/10 @ 16:48
Label Dummy Time for Label	—	—
Canister Pressure (in Hg)	-30	-3.5
Ambient Temperature	75	75
Flow Rate (mL/min)	3.7 ccm	

Observations and Comments:

Warehouse area on the rear end. Set on a Cabinet. Duplicated as 1914 COD-1A-08-E3

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____ *

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1914CCD-SS-02-E3	Date: 6/19/2010
Project No.:	Project or Client:
Field Crew:	Location Address/Description: WORK AREA - CODAR

Sampling System

Canister Serial No.: 855-400ml.	Other Info: TCE = 6,800
Canister Certification Date: ~~855-400~~ NOT INDICATED	
Canister Leak Check Date: " "	
Flow Controller Serial No.: 6754	
Associated Duplicate Location ID (if applicable):	

Sampling Log

Parameter	Start	Stop
Local Time	4 ~~45~~ 42	4 45
Label Dummy Time for Label		
Canister Pressure (in Hg)	29.54	4.32
Ambient Temperature		75°
Flow Rate (mL/min)	167 ml/min	

Observations and Comments:
IA sampling had been completed.

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1914 COD-SS-03-E3	Date: 6/19/2010
Project No.:	Project or Client:
Field Crew:	Location Address/Description: OLDS PRINTING-FORMER WAREHOUSE/STORAGE AREA. SAME LOCATION AS IA-DUP Sample

Sampling System

Canister Serial No.: 651	Other Info: TCE = ~~6,980~~ 2,980 µg/m³
Canister Certification Date: NOT INDICATED	1,1-DCE = ND (9 µg/m³
Canister Leak Check Date: NOT INDICATED	c-1,2-DCE = 30
Flow Controller Serial No.: FC00671	PCE = 20
Associated Duplicate Location ID (if applicable):	

Sampling Log

Parameter	Start	Stop
Local Time	529	531
Label Dummy Time for Label		
Canister Pressure (in Hg)	29.25	4.04
Ambient Temperature		~ 75°
Flow Rate (mL/min)	167 ml/min	

Observations and Comments:

Tedlar bags - collected for IPA

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935-OA-02-E3	Date: 6/18/2010
Project No.: 0 7163.0034	Project or Client: EPA
Field Crew: R. Leong	Location Address/Description: Outdoor ambient CODAR & Excel

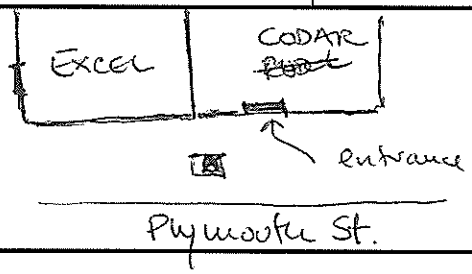
Sampling System

Canister Serial No.: 0123	Other Info: Set outside of CODAR FRONT Entrance on control metal box under the redwood trees
Canister Certification Date: 6/10/10	
Canister Leak Check Date: 6/18/10	
Flow Controller Serial No.: 00421	
Associated Duplicate Location ID (if applicable):	

Sampling Log

Parameter	Start	Stop
Local Time	6/18/10 @ 15:34	16:08 on 6/19/10
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	-3
Ambient Temperature	68	65
Flow Rate (mL/min)	3.7 ccm	

Observations and Comments:



Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: TB-061810	Date: 6/18/2010
Project No.: 0M163.0034	Project or Client: CTS Printex
Field Crew: RLeong	Location Address/Description:

Sampling System

Canister Serial No.: 760	Other Info:
Canister Certification Date: —	
Canister Leak Check Date: —	
Flow Controller Serial No.: —	
Associated Duplicate Location ID (if applicable):	

Sampling Log

Parameter	Start	Stop
Local Time	06/18/10 @ 15:00	
Label Dummy Time for Label	—	
Canister Pressure (in Hg)	—	
Ambient Temperature	—	
Flow Rate (mL/min)	—	

Observations and Comments:

Trip blank set on 06/18/2010

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

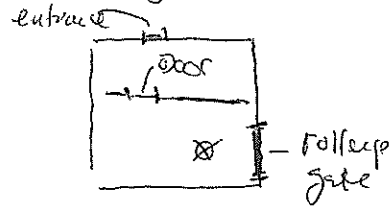
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1924 Excel -1A-11-E3	Date: 6/18/2010
Project No.: 07163.0034	Project or Client: CTS Printex
Field Crew: R Leong	Location Address/Description: 1924 Plymouth St - Excel UNIT A

Sampling System

Canister Serial No.: 776	Other Info: Unit C at Excel complex near backgate
Canister Certification Date: 6/10/10	
Canister Leak Check Date: 6/18/10	
Flow Controller Serial No.: 00437	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	06/18/2010 @ ~~1638~~ 17:45	06/19/10 @ 1805
Label Dummy Time for Label	—	—
Canister Pressure (in Hg)	-30	-6.5
Ambient Temperature	73	71
Flow Rate (mL/min)	3.6 ccm	

Observations and Comments:

Set on a stand against wall. Sub slab was also collected in this area.

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 1924 Excel -1A-12-E3	Date: 6/18/2010
Project No.: 07163.0034	Project or Client: CTS Printex
Field Crew: RLeong	Location Address/Description: 1924 Plymouth st. (Excel) Unit C

Sampling System

Canister Serial No.: 759	Other Info: Unit A Tom's office middle Desk A/c off and shut the door during sampling time
Canister Certification Date: 6/9/10	
Canister Leak Check Date: 06/18/10	
Flow Controller Serial No.: 00431	
Associated Duplicate Location ID (if applicable): —	

Sampling Log

Parameter	Start	Stop
Local Time	06/18/10 @ 1631	06/19/10 @ 16:39
Label Dummy Time for Label	—	—
Canister Pressure (in Hg)	-30	-6.5
Ambient Temperature	75	75
Flow Rate (mL/min)	3.6 CCM	

Observations and Comments:

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: A24 Excel-SS-04-E3	Date: 6/19/2010
Project No.:	Project or Client:
Field Crew:	Location Address/Description: Unit C - 1924 Plymouth

Sampling System

Canister Serial No.: 649 - 400 ml.	Other Info: TCE = 8,500 µg/m³ 1,1-DCE = 40 PCE = 40
Canister Certification Date: NOT INDICATED	
Canister Leak Check Date: " "	
Flow Controller Serial No.: FC-00669	
Associated Duplicate Location ID (if applicable):	

Sampling Log

Parameter	Start	Stop
Local Time	3:13	3:15
Label Dummy Time for Label		
Canister Pressure (in Hg)	28.8	4.28
Ambient Temperature	75°	75°
Flow Rate (mL/min) Flow Controller	FC-00669	167 ml/min

Observations and Comments:

~~Initial 28.8~~
~~End 4.28~~

- sampling time (2') IPA poured onto cotton swab outside bldg. while HA was still on.

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935SQ-1A-01-E3	Date: 6/19/2018
Project No.: 07163.07 34	Project or Client:
Field Crew: R. Leong	Location Address/Description: 935 Sierra Vista Ave. Sequoia (office)

Sampling System

Canister Serial No.: # 773	Other Info: Small office facing Sierra Vista Ave adjacent to Biotech office. Set on Desk table and shut the door with A/C off.
Canister Certification Date: 06/09/10	
Canister Leak Check Date: 6/19/10	
Flow Controller Serial No.: #1849	
Associated Duplicate Location ID (if applicable): —	

Sampling Log

Parameter	Start	Stop
Local Time	6/19/2010 @ 13:26	6/20/2010 @ 1405
Label Dummy Time for Label	—	—
Canister Pressure (in Hg)	-30	-3
Ambient Temperature	74	76
Flow Rate (mL/min)	3.6 ccm	

Observations and Comments:

Thermostat in office "White Rodgers"

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID:	Date: 6/19/2010
Project No.: 935SQ-1A-02-E3	Project or Client:
Field Crew: RLeong	Location Address/Description: 935-Sierra Vista Ave; Sequoteck - front location

Sampling System

Canister Serial No.: 560	Other Info: Chin's (son) office towards backside facing 101 and behind WC and Kitchen. Set on Desk table.
Canister Certification Date: 06/09/2010	
Canister Leak Check Date: 06/19/2010	
Flow Controller Serial No.: #1851	
Associated Duplicate Location ID (if applicable):	

Sampling Log

Parameter	Start	Stop
Local Time	6/19/2010 @ 1329	6/19/2010 @ 1408
Label Dummy Time for Label	–	–
Canister Pressure (in Hg)	-30"	0
Ambient Temperature	72°F	72
Flow Rate (mL/min)	3.7 ccm	

Observations and Comments:

Temperature readings taken from nearby thermostat ~~inside~~

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935RD-1A-03-E3	Date: 6/19/2010
Project No.:	Project or Client:
Field Crew: R Leong	Location Address/Description: 935 Sierra Vista Ave. ROD-L

Sampling System

Canister Serial No.: 501	Other Info: Corner Rear office @ ROD-L towards Freeway Closed office door. No ventilation in the small office, Summa set on the table
Canister Certification Date: 6/9/10	
Canister Leak Check Date: 6/19/10	
Flow Controller Serial No.: #1850	
Associated Duplicate Location ID (if applicable):	

Sampling Log

Parameter	Start	Stop
Local Time	6/19/10 @ 1354	6/19/10 @ 1425
Label Dummy Time for Label	–	–
Canister Pressure (in Hg)	-30	-2
Ambient Temperature	72	71
Flow Rate (mL/min)	3.6 ccm	

Observations and Comments:

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935 RD-1A-04-E3	Date: 6/19/2010
Project No.:	Project or Client:
Field Crew: R Leong	Location Address/Description: ~~935 Siena Vista Ave (ROD-L)~~ ~~Duplicate of 935 RD-1A-03-E3~~ NO

Sampling System

Canister Serial No.: 758	Other Info: set next to 935RD-1A-05-E3 at ROD-L meeting room on the table.
Canister Certification Date: 6/09/10	
Canister Leak Check Date: 6/19/10	
Flow Controller Serial No.: #1843	
Associated Duplicate Location ID (if applicable): 935RD-1A-05-E3	

Sampling Log

Parameter	Start	Stop
Local Time	6/19/10 @ 1401	6/20/10 @ 1420
Label Dummy Time for Label	—	—
Canister Pressure (in Hg)	~~-30~~ ~~-25~~ -30	-2
Ambient Temperature	71	71
Flow Rate (mL/min)	3.6 ccm	

Observations and Comments:

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935RD-1A-05-E3	Date: 6/19/2010
Project No.: 07163.0034	Project or Client:
Field Crew: RLeong	Location Address/Description: 935 Sierra Vista Ave - RWQD-L Duplicate of 935RD-IA-04-E3

Sampling System

Canister Serial No.: 0126	Other Info: RWQD-L 1st Meeting Room by the entrance door. Set two canisters at meeting table and shut all the doors
Canister Certification Date: 06/10/10	
Canister Leak Check Date: 06/19/10	
Flow Controller Serial No.: #410	
Associated Duplicate Location ID (if applicable): ~~Duplicate~~ RL	

Sampling Log

Parameter	Start	Stop
Local Time	6/19/10 @ 1402	6/20/10 @ 1417
Label Dummy Time for Label	-	-
Canister Pressure (in Hg)	-25	0
Ambient Temperature	71	71
Flow Rate (mL/min)	3.6 ccm	

Observations and Comments:

Temperature taken at the thermostat control inside meeting room

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

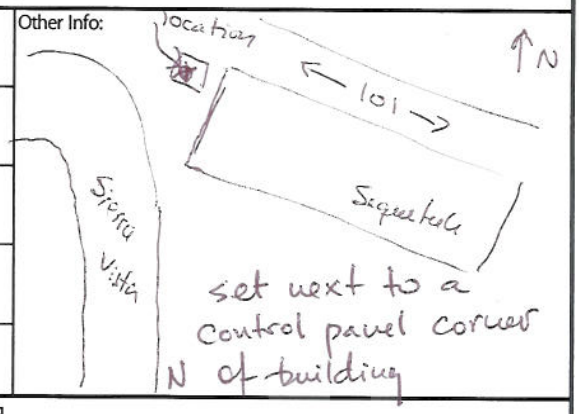
Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: 935-OA-01-E3	Date: 6/19/2010
Project No.: 07163.0034	Project or Client:
Field Crew: RLeong	Location Address/Description: OUTDOOR-935 SIERRA VISTA AVE

Sampling System

Canister Serial No.: #516	Other Info:
Canister Certification Date: 06/10/10	
Canister Leak Check Date: 06/19/10	
Flow Controller Serial No.: #428	
Associated Duplicate Location ID (if applicable):	



Sampling Log

Parameter	Start	Stop
Local Time	06/19/10 @ 13:10	6/20/10 @ 1429
Label Dummy Time for Label		
Canister Pressure (in Hg)	-30	-2
Ambient Temperature	72	74
Flow Rate (mL/min)	3.5 ccm	

Observations and Comments:

Wind was blowing from NW to SE.

Note: Labeled as 935-OA-1A-01-E3.

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

Innovative Technical Solutions, Inc.

SUMMA Canister Sampling Log

Location ID: TB-061910	Date: 6/19/2010
Project No.: 07163.0034	Project or Client: CTS Printex
Field Crew: R Leong	Location Address/Description:

Sampling System

Canister Serial No.: 0135	Other Info:
Canister Certification Date: 06/10/2010	
Canister Leak Check Date: Not Checked	
Flow Controller Serial No.: Not used	
Associated Duplicate Location ID (if applicable): Not Applicable	

Sampling Log

Parameter	Start	Stop
Local Time	06/19/2010 @ 1300	
Label Dummy Time for Label	–	
Canister Pressure (in Hg)	–	
Ambient Temperature	–	
Flow Rate (mL/min)	–	

Observations and Comments:

Trip blank

Laboratory Analytical Method(s):

TO-15 SIM for VOCs + _____*

Sampler Signature:

* Add leak detection gas

124080

003562

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, California 94598
(925) 946-3100 – (925) 256-8998 (fax)

Local Address: CODAR, SCQUETECH KOD-2

Chain-Of-Custody

Project Name and Number: CTS Printex / 07163.0034
Project Manager: Riz Sarmiento
Site Location: Mountain View CA

Laboratory Name: EPA Region 9
Address: 1337 S. 46th Street, Richmond CA
Contact Name: Rich Bauer
Phone: (510) 412 2312

Date: 06/20/2010
Page: 2 of 2

Analysis: TO-15 SIM; Isopropanol only by TO-15 SIM
Preservative: 1; 1
Container Type: SUMMA; TEDLAR

Sample I.D.	Date	Time	Sample Depth	No. of Containers	Sample Matrix	TO-15 SIM	Isopropanol only by TO-15 SIM	Special Instructions/Comments
TB-061910	6/19/10	1300	NA	1	Air	X		(135) 135 / —
1914-COD-SS-02-E3	6/19/10	16:45	6"	1	Air	X		855 / —
1914-COD-SS-03-E3	6/19/10	17:31	6"	2	Air	X	X	651 / —
935-SQ-1A-01-E3	6/20/10	14:05	NA	1	Air	X		(773) 773 / 1849
935-SQ-1A-02-E3	6/20/10	14:08	NA	1	Air	X		(500) 500 / 1851
935-RD-1A-05-E3	6/20/10	14:17	NA	1	Air	X		(126) 126 / 410
935-RD-1A-04-E3	6/20/10	14:20	NA	1	Air	X		(758) 758 / 1843
935-RD-1A-03-E3	6/20/10	14:25	NA	1	Air	X		(501) 501 / 1850
935-OA-1A-01-E3	6/20/10	1429	NA	1	Air	X		(516) 516 / 428

Xclocked: (Taq) Cannister / Flow #

Sampled By: Rogerio Leong
Signature:
Special Instructions:

Send Results to: Kirsten Carlson @ (925) 256-8998
(w/fax #)
Turnaround Time: Standard

Sampler: ROGERIO LEONG

Relinquished By/Affiliation:	Date:	Time:
Rogerio Leong / ITSI	6/21/10	11:22

Courier/Airbill No.:

Received By/Affiliation:	Date:	Time:
HAND DELIVERED @ 24°C	6/21/10	1122

Original – Laboratory Yellow – Field/Office

Graphics/Stationery/chain_custody1004.ai

124080

003563

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, California 94598
(925) 946-3100 – (925) 256-8998 (fax)

Local Address: CODAR AND EXCEL

Chain-Of-Custody

Project Name and Number: CTS Printex
Project Manager: Kiz Sarmiento
Site Location: Mountain View, CA

Laboratory Name: EPA Region 9
Address: 1337 S. 46th St. Richmond CA
Contact Name: Rich Bauer
Phone: 510-412 2312

Date: 6/19/2010
Page: 1 of 2

Analysis: TO-15 SIM
Preservative:
Container Type: SUMMA

x checked: (tag) Canister #/Flow #

Sample I.D.	Date	Time	Sample Depth	No. of Containers	Sample Matrix	TO-15 SIM	Special Instructions/Comments
935-OA-02-E3	6/19/10	16:08	NA	1	Air	X	(123) 0123 / 00421
1914 COD-IA-09-E3	6/19/10	16:18	NA	1	Air	X	(119) 0119 / 01847
1914 COD-IA-06-E3	6/19/10	16:24	NA	1	Air	X	(454) 454 / 416
1914 COD-IA-07-E3	6/19/10	16:30	NA	1	Air	X	(113) 0113 / 00420
1914 COD-IA-08-E3	6/19/10	16:44	NA	1	Air	X	(775) 0775 / 0427
1914 COD-IA-10-E3	6/19/10	16:48	NA	1	Air	X	(134) 0134 / 0423
1924 EXCEL-IA-12-E3	6/19/10	16:39	NA	1	Air	X	(759) 759 / 0431
1924 EXCEL-IA-11-E3	6/19/10	1805	NA	1	Air	X	(776) 776 / 0437
1924 EXCEL-SS-04-E3	6/19/10	15:15	NA	1	Air	X	649 / —
TB061810	06/18/10	1500	NA	1	Air	X	(760) 760 / —

Sampled By: Rogerio Leong
Signature:
Special Instructions:

Send Results to: Kirsten Carlyon
(w/fax #) (925) 256 8998
Turnaround Time: Standard

Sampler: Rogerio Leong

Courier/Airbill No.:

Relinquished By/Affiliation:	Date:	Time:	Received By/Affiliation:	Date:	Time:
Rogerio Leong / ITSI	6/21/10	11:22		6/21/10	1122

HAND DELIVERED @ 24°C

Original – Laboratory Yellow – Field/Office

Graphics/Stationery/chain_custody1004.ai

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: **7/22/2010**

Subject: **Analytical Testing Results - Project R10S41**
SDG: 10172A

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Raymond Chavira**
California Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **CTS Printex February 2010 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: Riz Sarmiento, ITSI
Kristen Carlyon, ITSI

Analyses included in this report:

Volatile Organics by GC/MS SIM

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10172A
Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 07/22/10 14:02
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
935-OA-02-E3	1006037-01	Air	06/19/10 16:08	06/21/10 11:22
1914-COD-IA-09-E3	1006037-02	Air	06/19/10 16:18	06/21/10 11:22
1914-COD-IA-06-E3	1006037-03	Air	06/19/10 16:24	06/21/10 11:22
1914-COD-IA-07-E3	1006037-04	Air	06/19/10 16:30	06/21/10 11:22
1914-COD-IA-08-E3	1006037-05	Air	06/19/10 16:49	06/21/10 11:22
1914-COD-IA-10-E3	1006037-06	Air	06/19/10 16:48	06/21/10 11:22
1924-EXCEL-IA-12-E3	1006037-07	Air	06/19/10 16:39	06/21/10 11:22
1924-EXCEL-IA-11-E3	1006037-08	Air	06/19/10 18:05	06/21/10 11:22
TB061810	1006037-10	Air	06/18/10 15:00	06/21/10 11:22
TB061910	1006037-11	Air	06/19/10 13:00	06/21/10 11:22
935-SQ-IA-01-E3	1006037-14	Air	06/20/10 14:05	06/21/10 11:22
935-SQ-IA-02-E3	1006037-15	Air	06/20/10 14:08	06/21/10 11:22
935-RD-IA-05-E3	1006037-16	Air	06/20/10 14:17	06/21/10 11:22
935-RD-IA-04-E3	1006037-17	Air	06/20/10 14:20	06/21/10 11:22
935-RD-IA-03-E3	1006037-18	Air	06/20/10 14:25	06/21/10 11:22
935-OA-IA-01-E3	1006037-19	Air	06/20/10 14:29	06/21/10 11:22

SDG ID 10172A

Work Order(s)

1006037

Both indoor air and sub-slab samples for the CTS Printex project were received on 6/21/2010. Indoor air samples were analyzed by method TO-15 using selective ion monitoring (SIM) mode. Results for indoor air samples are provided in this report. Sub-slab samples were analyzed by method TO-15 in full scan mode and are presented in a separate report.

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1006037-01									**Air - Sampled: 06/19/10 16:08**
Sample ID: 935-OA-02-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.09	ug/m³ Air	B0F0110	06/22/10	06/22/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.20		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.14	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		0.14	C1, J	0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene		0.47		0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1006037-02									**Air - Sampled: 06/19/10 16:18**
Sample ID: 1914-COD-IA-09-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0110	06/22/10	06/22/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.24		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.18	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		0.14	C1, J	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		0.25		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.75		0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	2.6		0.56	"	B0F0120	"	06/23/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	B0F0110	"	06/22/10	TO-15 SIM
Lab ID: 1006037-03									**Air - Sampled: 06/19/10 16:24**
Sample ID: 1914-COD-IA-06-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0110	06/22/10	06/22/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.24		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.19	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		0.16	C1, J	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		0.26		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.85		0.27	"	"	"	"	TO-15 SIM

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Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 07/22/10 14:02
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1006037-03									**Air - Sampled: 06/19/10 16:24**
Sample ID: 1914-COD-IA-06-E3									**Volatile Organic Compounds by TO-15**
Toluene	RE1	2.6		0.56	ug/m³ Air	B0F0120	06/22/10	06/23/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	B0F0110	"	06/22/10	TO-15 SIM
Lab ID: 1006037-04									**Air - Sampled: 06/19/10 16:30**
Sample ID: 1914-COD-IA-07-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0110	06/22/10	06/22/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.24		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.19	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		0.27		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.41		0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	2.9		0.75	"	B0F0120	"	06/23/10	TO-15 SIM
Tetrachloroethene		0.17	C1, J	0.34	"	B0F0110	"	06/22/10	TO-15 SIM
Lab ID: 1006037-05									**Air - Sampled: 06/19/10 16:49**
Sample ID: 1914-COD-IA-08-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0110	06/22/10	06/22/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.33		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.18	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		0.22	C1, J	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		1.2		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.93		0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	10		2.8	"	B0F0120	"	06/23/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	B0F0110	"	06/22/10	TO-15 SIM
Lab ID: 1006037-06									**Air - Sampled: 06/19/10 16:48**
Sample ID: 1914-COD-IA-10-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0110	06/22/10	06/22/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.33		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.18	C1, J	0.24	"	"	"	"	TO-15 SIM

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1006037-06									**Air - Sampled: 06/19/10 16:48**
Sample ID: 1914-COD-IA-10-E3									**Volatile Organic Compounds by TO-15**
1,1,1-Trichloroethane		0.22	C1, J	0.27	ug/m³ Air	B0F0110	06/22/10	06/22/10	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		1.2		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.94		0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	9.8		2.8	"	B0F0120	"	06/23/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	B0F0110	"	06/22/10	TO-15 SIM
Lab ID: 1006037-07									**Air - Sampled: 06/19/10 16:39**
Sample ID: 1924-EXCEL-IA-12-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0110	06/22/10	06/22/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.21		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.38		0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.14	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		0.46		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.67		0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	2.4		0.75	"	B0F0120	"	06/23/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	B0F0110	"	06/22/10	TO-15 SIM
Lab ID: 1006037-08									**Air - Sampled: 06/19/10 18:05**
Sample ID: 1924-EXCEL-IA-11-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0110	06/22/10	06/22/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.20		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.25		0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		0.20		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene		0.84		0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1006037-10									**Air - Sampled: 06/18/10 15:00**
Sample ID: TB061810									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0110	06/22/10	06/23/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1006037-10									**Air - Sampled: 06/18/10 15:00**
Sample ID: TB061810									**Volatile Organic Compounds by TO-15**
Dichloromethane		ND	U	0.17	ug/m³ Air	B0F0110	06/22/10	06/23/10	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		ND	U	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		ND	U	0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene		ND	U	0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1006037-11									**Air - Sampled: 06/19/10 13:00**
Sample ID: TB061910									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0120	06/22/10	06/23/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		ND	U	0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		ND	U	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		ND	U	0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene		ND	U	0.19	"	"	"	"	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	"	TO-15 SIM
Lab ID: 1006037-14									**Air - Sampled: 06/20/10 14:05**
Sample ID: 935-SQ-IA-01-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0120	06/22/10	06/23/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		1.7		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.53		0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		0.82		0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.11	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		0.34		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.49		0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	6.6		1.1	"	B0F0124	"	06/24/10	TO-15 SIM

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SDG: 10172A
Reported: 07/22/10 14:02

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1006037-14									**Air - Sampled: 06/20/10 14:05**
Sample ID: 935-SQ-IA-01-E3									**Volatile Organic Compounds by TO-15**
Tetrachloroethene		ND	U	0.34	ug/m³ Air	B0F0120	06/22/10	06/23/10	TO-15 SIM
Lab ID: 1006037-15									**Air - Sampled: 06/20/10 14:08**
Sample ID: 935-SQ-IA-02-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0120	06/22/10	06/24/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane	RE2	3.3		0.52	"	B0F0124	"	06/24/10	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	B0F0120	"	06/24/10	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.51		0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		1.4		0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		0.10	C1, J	0.20	"	"	"	"	TO-15 SIM
Benzene		0.22		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.41		0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	11		2.3	"	B0F0124	"	06/24/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	B0F0120	"	06/24/10	TO-15 SIM
Lab ID: 1006037-16									**Air - Sampled: 06/20/10 14:17**
Sample ID: 935-RD-IA-05-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0120	06/22/10	06/24/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane	RE2	6.5		1	"	B0F0124	"	06/24/10	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	B0F0120	"	06/24/10	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.22	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane	RE3	3.6		0.55	"	B0F0124	"	06/24/10	TO-15 SIM
1,2-Dichloroethane		0.13	C1, J	0.20	"	B0F0120	"	06/24/10	TO-15 SIM
Benzene		0.26		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		0.30		0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	26		5.6	"	B0F0124	"	06/24/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	B0F0120	"	06/24/10	TO-15 SIM
Lab ID: 1006037-17									**Air - Sampled: 06/20/10 14:20**
Sample ID: 935-RD-IA-04-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0124	06/22/10	06/24/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane	RE2	7.2		1	"	B0F0133	06/25/10	06/25/10	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	B0F0124	06/22/10	06/24/10	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.28		0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane	RE2	3.9		1.6	"	B0F0133	06/25/10	06/25/10	TO-15 SIM

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Project Manager: Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10172A
Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 07/22/10 14:02
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1006037-17									**Air - Sampled: 06/20/10 14:20**
Sample ID: 935-RD-IA-04-E3									**Volatile Organic Compounds by TO-15**
1,2-Dichloroethane		0.12	C1, J	0.20	ug/m³ Air	B0F0124	06/22/10	06/24/10	TO-15 SIM
Benzene		0.29		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	30		5.6	"	"	"	06/25/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	06/24/10	TO-15 SIM
Lab ID: 1006037-18									**Air - Sampled: 06/20/10 14:25**
Sample ID: 935-RD-IA-03-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0124	06/22/10	06/24/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane	RE2	6.1		1	"	B0F0133	06/25/10	06/25/10	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	B0F0124	06/22/10	06/24/10	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.22	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane	RE2	3.0		1.6	"	B0F0133	06/25/10	06/25/10	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	B0F0124	06/22/10	06/24/10	TO-15 SIM
Benzene		0.30		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	30		5.6	"	"	"	06/25/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	"	"	06/24/10	TO-15 SIM
Lab ID: 1006037-19									**Air - Sampled: 06/20/10 14:29**
Sample ID: 935-OA-IA-01-E3									**Volatile Organic Compounds by TO-15**
Vinyl chloride		ND	U	0.13	ug/m³ Air	B0F0124	06/22/10	06/24/10	TO-15 SIM
1,1-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
Dichloromethane		0.26		0.17	"	"	"	"	TO-15 SIM
trans-1,2-Dichloroethene		ND	U	0.20	"	"	"	"	TO-15 SIM
1,1-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Chloroform		0.15	C1, J	0.24	"	"	"	"	TO-15 SIM
1,1,1-Trichloroethane		ND	U	0.27	"	"	"	"	TO-15 SIM
1,2-Dichloroethane		ND	U	0.20	"	"	"	"	TO-15 SIM
Benzene		0.77		0.16	"	"	"	"	TO-15 SIM
Trichloroethene		ND	U	0.27	"	"	"	"	TO-15 SIM
Toluene	RE1	1.9		0.38	"	B0F0133	06/25/10	06/25/10	TO-15 SIM
Tetrachloroethene		ND	U	0.34	"	B0F0124	06/22/10	06/24/10	TO-15 SIM

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Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/22/10 14:02
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0110 - - General Air prep - TO15 SIM										**Prepared & Analyzed: 06/22/10**
										Volatile Organic Compounds by TO-15 - Quality Control
Blank (B0F0110-BLK1)										
Vinyl chloride	ND	U	0.13	ug/m³ Air						
1,1-Dichloroethene	ND	U	0.2	"						
Dichloromethane	ND	U	0.17	"						
trans-1,2-Dichloroethene	ND	U	0.2	"						
1,1-Dichloroethane	ND	U	0.2	"						
Chloroform	ND	U	0.24	"						
1,1,1-Trichloroethane	ND	U	0.27	"						
1,2-Dichloroethane	ND	U	0.2	"						
Benzene	ND	U	0.16	"						
Trichloroethene	ND	U	0.27	"						
Toluene	ND	U	0.19	"						
Tetrachloroethene	ND	U	0.34	"						
LCS (B0F0110-BS1)										
Vinyl chloride	58.6			ug/m³ Air	60.0		98	70-130		
1,1-Dichloroethene	56.4			"	55.0		102	70-130		
Dichloromethane	53.8			"	55.0		98	70-130		
trans-1,2-Dichloroethene	56.1			"	55.0		102	70-130		
1,1-Dichloroethane	51.5			"	55.0		94	70-130		
Chloroform	52.2			"	55.0		95	70-130		
1,1,1-Trichloroethane	54.2			"	55.0		98	70-130		
1,2-Dichloroethane	54.1			"	55.0		98	70-130		
Benzene	53.8			"	55.0		98	70-130		
Trichloroethene	59.2			"	60.0		99	70-130		
Toluene	57.4			"	55.0		104	70-130		
Tetrachloroethene	55			"	55.0		100	70-130		
LCS (B0F0110-BS2)										
Vinyl chloride	265			ug/m³ Air	275		96	70-130		
1,1-Dichloroethene	253			"	268		95	70-130		
Dichloromethane	277			"	270		103	70-130		
trans-1,2-Dichloroethene	258			"	260		99	70-130		
1,1-Dichloroethane	268			"	272		98	70-130		
Chloroform	264			"	270		98	70-130		
1,1,1-Trichloroethane	257			"	272		94	70-130		
1,2-Dichloroethane	255			"	275		93	70-130		
Benzene	262			"	275		95	70-130		
Trichloroethene	243			"	275		88	70-130		
Toluene	260			"	275		95	70-130		
Tetrachloroethene	262			"	272		96	70-130		
LCS (B0F0110-BS3)										

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Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0110 - - General Air prep - TO15 SIM									**Prepared: 06/22/10 Analyzed: 06/23/10**	
									Volatile Organic Compounds by TO-15 - Quality Control	
LCS (B0F0110-BS3)										
Vinyl chloride	57.8			ug/m³ Air	60.0		96	70-130		
1,1-Dichloroethene	49.9			"	55.0		91	70-130		
Dichloromethane	50.9			"	55.0		93	70-130		
trans-1,2-Dichloroethene	48.9			"	55.0		89	70-130		
1,1-Dichloroethane	47.2			"	55.0		86	70-130		
Chloroform	46.1			"	55.0		84	70-130		
1,1,1-Trichloroethane	46.2			"	55.0		84	70-130		
1,2-Dichloroethane	47.1			"	55.0		86	70-130		
Benzene	46.6			"	55.0		85	70-130		
Trichloroethene	50.3			"	60.0		84	70-130		
Toluene	47.8			"	55.0		87	70-130		
Tetrachloroethene	47			"	55.0		85	70-130		
Duplicate (B0F0110-DUP1)		**Source: 1006037-01**								
Vinyl chloride	ND	U	0.13	ug/m³ Air		ND				20
1,1-Dichloroethene	ND	U	0.2	"		ND				20
Dichloromethane	0.196		0.17	"		0.199			1	20
trans-1,2-Dichloroethene	ND	U	0.2	"		ND				20
1,1-Dichloroethane	ND	U	0.2	"		ND				20
Chloroform	0.142	C1, J	0.24	"		0.144			2	20
1,1,1-Trichloroethane	ND	U	0.27	"		ND				20
1,2-Dichloroethane	ND	U	0.2	"		ND				20
Benzene	0.134	C1, J	0.16	"		0.136			1	20
Trichloroethene	ND	U	0.27	"		ND				20
Toluene	0.478		0.19	"		0.467			2	20
Tetrachloroethene	ND	U	0.34	"		ND				20
Batch B0F0120 - - General Air prep - TO15 SIM									**Prepared & Analyzed: 06/23/10**	
									Volatile Organic Compounds by TO-15 - Quality Control	
Blank (B0F0120-BLK1)										
Vinyl chloride	ND	U	0.13	ug/m³ Air						
1,1-Dichloroethene	ND	U	0.2	"						
Dichloromethane	ND	U	0.17	"						
trans-1,2-Dichloroethene	ND	U	0.2	"						
1,1-Dichloroethane	ND	U	0.2	"						
Chloroform	ND	U	0.24	"						
1,1,1-Trichloroethane	ND	U	0.27	"						
1,2-Dichloroethane	ND	U	0.2	"						
Benzene	ND	U	0.16	"						
Trichloroethene	ND	U	0.27	"						
Toluene	ND	U	0.19	"						
Tetrachloroethene	ND	U	0.34	"						

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Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/22/10 14:02
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0120 - - General Air prep - TO15 SIM										**Prepared & Analyzed: 06/23/10**
										Volatile Organic Compounds by TO-15 - Quality Control
Blank (B0F0120-BLK1)										
LCS (B0F0120-BS1)										
Vinyl chloride	61.1			ug/m³ Air	60.0		102	70-130		
1,1-Dichloroethene	55.8			"	55.0		101	70-130		
Dichloromethane	55.2			"	55.0		100	70-130		
trans-1,2-Dichloroethene	56			"	55.0		102	70-130		
1,1-Dichloroethane	54.7			"	55.0		100	70-130		
Chloroform	54			"	55.0		98	70-130		
1,1,1-Trichloroethane	54.9			"	55.0		100	70-130		
1,2-Dichloroethane	53.9			"	55.0		98	70-130		
Benzene	55.6			"	55.0		101	70-130		
Trichloroethene	59.8			"	60.0		100	70-130		
Toluene	56.4			"	55.0		103	70-130		
Tetrachloroethene	54.7			"	55.0		100	70-130		
LCS (B0F0120-BS2)										
Vinyl chloride	301			ug/m³ Air	275		109	70-130		
1,1-Dichloroethene	250			"	268		93	70-130		
Dichloromethane	279			"	270		103	70-130		
trans-1,2-Dichloroethene	258			"	260		99	70-130		
1,1-Dichloroethane	282			"	272		104	70-130		
Chloroform	277			"	270		103	70-130		
1,1,1-Trichloroethane	278			"	272		102	70-130		
1,2-Dichloroethane	259			"	275		94	70-130		
Benzene	269			"	275		98	70-130		
Trichloroethene	249			"	275		91	70-130		
Toluene	250			"	275		91	70-130		
Tetrachloroethene	262			"	272		96	70-130		
LCS (B0F0120-BS3)										
Vinyl chloride	61.3			ug/m³ Air	60.0		102	70-130		
1,1-Dichloroethene	46			"	55.0		84	70-130		
Dichloromethane	45.6			"	55.0		83	70-130		
trans-1,2-Dichloroethene	44.9			"	55.0		82	70-130		
1,1-Dichloroethane	44.1			"	55.0		80	70-130		
Chloroform	44			"	55.0		80	70-130		
1,1,1-Trichloroethane	44.2			"	55.0		80	70-130		
1,2-Dichloroethane	43.4			"	55.0		79	70-130		
Benzene	43.2			"	55.0		78	70-130		
Trichloroethene	47.2			"	60.0		79	70-130		
Toluene	48.3			"	55.0		88	70-130		
Tetrachloroethene	43.3			"	55.0		79	70-130		

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0124 - - General Air prep - TO15 SIM										**Prepared & Analyzed: 06/24/10**
										Volatile Organic Compounds by TO-15 - Quality Control
Blank (B0F0124-BLK1)										
Vinyl chloride	ND	U	0.13	ug/m³ Air						
1,1-Dichloroethene	ND	U	0.2	"						
Dichloromethane	ND	U	0.17	"						
trans-1,2-Dichloroethene	ND	U	0.2	"						
1,1-Dichloroethane	ND	U	0.2	"						
Chloroform	ND	U	0.24	"						
1,1,1-Trichloroethane	ND	U	0.27	"						
1,2-Dichloroethane	ND	U	0.2	"						
Benzene	ND	U	0.16	"						
Trichloroethene	ND	U	0.27	"						
Toluene	ND	U	0.19	"						
Tetrachloroethene	ND	U	0.34	"						
LCS (B0F0124-BS1)										
Vinyl chloride	55.2			ug/m³ Air	60.0		92	70-130		
1,1-Dichloroethene	51.3			"	55.0		93	70-130		
Dichloromethane	51.5			"	55.0		94	70-130		
trans-1,2-Dichloroethene	50.6			"	55.0		92	70-130		
1,1-Dichloroethane	49.1			"	55.0		89	70-130		
Chloroform	49			"	55.0		89	70-130		
1,1,1-Trichloroethane	49.4			"	55.0		90	70-130		
1,2-Dichloroethane	48.8			"	55.0		89	70-130		
Benzene	48.9			"	55.0		89	70-130		
Trichloroethene	53.4			"	60.0		89	70-130		
Toluene	49.4			"	55.0		90	70-130		
Tetrachloroethene	48.9			"	55.0		89	70-130		
LCS (B0F0124-BS2)										
Vinyl chloride	300			ug/m³ Air	275		109	70-130		
1,1-Dichloroethene	277			"	268		103	70-130		
Dichloromethane	294			"	270		109	70-130		
trans-1,2-Dichloroethene	285			"	260		110	70-130		
1,1-Dichloroethane	288			"	272		106	70-130		
Chloroform	281			"	270		104	70-130		
1,1,1-Trichloroethane	281			"	272		103	70-130		
1,2-Dichloroethane	262			"	275		95	70-130		
Benzene	279			"	275		102	70-130		
Trichloroethene	261			"	275		95	70-130		
Toluene	261			"	275		95	70-130		
Tetrachloroethene	270			"	272		99	70-130		
LCS (B0F0124-BS3)										

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0124 - - General Air prep - TO15 SIM									**Prepared: 06/24/10 Analyzed: 06/25/10**	
									Volatile Organic Compounds by TO-15 - Quality Control	
LCS (B0F0124-BS3)										
Vinyl chloride	57.5			ug/m³ Air	60.0		96	70-130		
1,1-Dichloroethene	50.8			"	55.0		92	70-130		
Dichloromethane	50.6			"	55.0		92	70-130		
trans-1,2-Dichloroethene	50.8			"	55.0		92	70-130		
1,1-Dichloroethane	48.2			"	55.0		88	70-130		
Chloroform	47.4			"	55.0		86	70-130		
1,1,1-Trichloroethane	47.9			"	55.0		87	70-130		
1,2-Dichloroethane	48.6			"	55.0		88	70-130		
Benzene	48.6			"	55.0		88	70-130		
Trichloroethene	51.7			"	60.0		86	70-130		
Toluene	49.6			"	55.0		90	70-130		
Tetrachloroethene	48.1			"	55.0		87	70-130		
Batch B0F0133 - - General Air prep - TO15 SIM									**Prepared & Analyzed: 06/25/10**	
									Volatile Organic Compounds by TO-15 - Quality Control	
Blank (B0F0133-BLK1)										
Vinyl chloride	ND	U	0.13	ug/m³ Air						
1,1-Dichloroethene	ND	U	0.2	"						
Dichloromethane	ND	U	0.17	"						
trans-1,2-Dichloroethene	ND	U	0.2	"						
1,1-Dichloroethane	ND	U	0.2	"						
Chloroform	ND	U	0.24	"						
1,1,1-Trichloroethane	ND	U	0.27	"						
1,2-Dichloroethane	ND	U	0.2	"						
Benzene	ND	U	0.16	"						
Trichloroethene	ND	U	0.27	"						
Toluene	ND	U	0.19	"						
Tetrachloroethene	ND	U	0.34	"						
LCS (B0F0133-BS1)										
Vinyl chloride	52.7			ug/m³ Air	60.0		88	70-130		200
1,1-Dichloroethene	49.2			"	55.0		89	70-130		200
Dichloromethane	49.5			"	55.0		90	70-130		200
1,1-Dichloroethane	50.9			"	55.0		93	70-130		200
Chloroform	49.9			"	55.0		91	70-130		200
1,1,1-Trichloroethane	49.5			"	55.0		90	70-130		200
1,2-Dichloroethane	51.4			"	55.0		93	70-130		200
Benzene	50.7			"	55.0		92	70-130		200
Trichloroethene	55.8			"	60.0		93	70-130		200
Toluene	52.5			"	55.0		95	70-130		200
Tetrachloroethene	51.9			"	55.0		94	70-130		200

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0133 - - General Air prep - TO15 SIM										**Prepared & Analyzed: 06/25/10**
										Volatile Organic Compounds by TO-15 - Quality Control
LCS (B0F0133-BS2)										
Vinyl chloride	295			ug/m³ Air	275		107	70-130		200
1,1-Dichloroethene	268			"	268		100	70-130		200
Dichloromethane	291			"	270		108	70-130		200
1,1-Dichloroethane	282			"	272		104	70-130		200
Chloroform	281			"	270		104	70-130		200
1,1,1-Trichloroethane	274			"	272		101	70-130		200
1,2-Dichloroethane	264			"	275		96	70-130		200
Benzene	277			"	275		101	70-130		200
Trichloroethene	249			"	275		91	70-130		200
Toluene	274			"	275		100	70-130		200
Tetrachloroethene	279			"	272		102	70-130		200
LCS (B0F0133-BS3)										
Vinyl chloride	62.3			ug/m³ Air	60.0		104	70-130		200
1,1-Dichloroethene	52.8			"	55.0		96	70-130		200
Dichloromethane	53.7			"	55.0		98	70-130		200
1,1-Dichloroethane	52.9			"	55.0		96	70-130		200
Chloroform	53.7			"	55.0		98	70-130		200
1,1,1-Trichloroethane	54.8			"	55.0		100	70-130		200
1,2-Dichloroethane	54.4			"	55.0		99	70-130		200
Benzene	54			"	55.0		98	70-130		200
Trichloroethene	59.8			"	60.0		100	70-130		200
Toluene	57.5			"	55.0		105	70-130		200
Tetrachloroethene	55			"	55.0		100	70-130		200

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10172A
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/22/10 14:02
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Qualifiers and Comments

J	The reported result for this analyte should be considered an estimated value.
C1	The reported concentration for this analyte is below the quantitation limit.
U	Not Detected
NR	Not Reported
RE1, RE2, etc:	Result is from a sample re-analysis.

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: **7/12/2010**

Subject: **Analytical Testing Results - Project R10S41**
SDG: 10172A

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Raymond Chavira**
California Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **CTS Printex February 2010 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: Riz Sarmiento, ITSI
Kristen Carlyon, ITSI

Analyses included in this report:

Volatile Organic Compounds by GC/MS

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Project Manager: Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10172A
Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 07/12/10 15:43
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
1924-EXCEL-SS-04-E3	1006037-09	Air	06/19/10 15:15	06/21/10 11:22
1914-COD-SS-02-E3	1006037-12	Air	06/19/10 16:45	06/21/10 11:22
1914-COD-SS-03-E3 (can)	1006037-13	Air	06/19/10 17:31	06/21/10 11:22
1914-COD-SS-03-E3 (tedlar bag)	1006037-20	Air	06/19/10 17:31	06/21/10 11:22

SDG ID 10172A

Work Order(s)

1006037

Both indoor air and sub-slab samples for the CTS Printex project were received on 6/21/2010. Sub-slab samples were analyzed by method TO-15 using full scan mode. Results for sub-slab samples are provided in this report. Indoor air samples were analyzed by method TO-15 in selective ion monitoring (SIM) mode and are presented in a separate report.

Both a Summa can and a Tedlar bag sample were submitted marked as 1914-COD-SS -03-ES. The can was logged in as sample 1006037-13. The Tedlar bag was logged in as sample 1006037-20. The sample in the bag was tranferred from the bag to a cleaned and certified can after log-in. Analysis seems to indicate that although they were given the same field sample ID, the sample in the can and the sample in the bag are not the same sample.

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Project Manager: Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10172A
Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 07/12/10 15:43
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1006037-09									**Air - Sampled: 06/19/10 15:15**
Sample ID: 1924-EXCEL-SS-04-E3									**Volatile Organic Compounds by TO-15**
1,2-Dichlorotetrafluoroethane		ND	U	20	ug/m³ Air	B0F0116	06/23/10	06/23/10	TO-15/SOP311
Chloromethane		ND	U	5	"	"	"	"	TO-15/SOP311
Vinyl chloride		ND	U	6	"	"	"	"	TO-15/SOP311
Bromomethane		ND	U	10	"	"	"	"	TO-15/SOP311
Chloroethane		ND	U	7	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane		ND	U	10	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	20	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene		40		10	"	"	"	"	TO-15/SOP311
2-Propanol		9		6	"	"	"	"	TO-15/SOP311
Dichloromethane		ND	U	9	"	"	"	"	TO-15/SOP311
trans-1,2-Dichloroethene		ND	U	10	"	"	"	"	TO-15/SOP311
1,1-Dichloroethane		7	C1, J	10	"	"	"	"	TO-15/SOP311
cis-1,2-Dichloroethene		6	C1, J	10	"	"	"	"	TO-15/SOP311
Chloroform		30		10	"	"	"	"	TO-15/SOP311
1,1,1-Trichloroethane	RE1	1,400	J, Q5	100	"	B0F0107	06/21/10	06/22/10	TO-15/SOP311
Carbon tetrachloride		ND	U	20	"	B0F0116	06/23/10	06/23/10	TO-15/SOP311
Benzene		4	C1, J	8	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane		ND	U	10	"	"	"	"	TO-15/SOP311
Trichloroethene	RE2	8,500	J, Q5	2,700	"	B0F0107	06/21/10	06/22/10	TO-15/SOP311
1,2-Dichloropropane		ND	U	10	"	B0F0116	06/23/10	06/23/10	TO-15/SOP311
cis-1,3-Dichloropropene		ND	U	10	"	"	"	"	TO-15/SOP311
Toluene		6	C1, J	9	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene		ND	U	10	"	"	"	"	TO-15/SOP311
1,1,2-Trichloroethane		ND	U	10	"	"	"	"	TO-15/SOP311
Tetrachloroethene		40		20	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)		ND	U	20	"	"	"	"	TO-15/SOP311
Chlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
Ethylbenzene		ND	U	10	"	"	"	"	TO-15/SOP311
m&p-Xylene		10	C1, J	20	"	"	"	"	TO-15/SOP311
o-Xylene		ND	U	10	"	"	"	"	TO-15/SOP311
Styrene		ND	U	10	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane		ND	U	20	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene		8	C1, J	10	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene		ND	C3, J, U	20	"	"	"	"	TO-15/SOP311

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Project Manager: Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10172A
Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 07/12/10 15:43
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1006037-09									**Air - Sampled: 06/19/10 15:15**
Sample ID: 1924-EXCEL-SS-04-E3									**Volatile Organic Compounds by TO-15**
Hexachlorobutadiene		ND	C3, J, U	30	ug/m³ Air	B0F0116	06/23/10	06/23/10	TO-15/SOP311
unknown hydrocarbon (01)		100	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (02)		100	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (03)		100	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (04)		70	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (05)		60	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (06)		500	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (07)		100	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon (08)		90	N TIC, J		"	"	"	"	TO-15/SOP311
Lab ID: 1006037-12									**Air - Sampled: 06/19/10 16:45**
Sample ID: 1914-COD-SS-02-E3									**Volatile Organic Compounds by TO-15**
1,2-Dichlorotetrafluoroethane		ND	U	20	ug/m³ Air	B0F0116	06/23/10	06/23/10	TO-15/SOP311
Chloromethane		ND	U	5	"	"	"	"	TO-15/SOP311
Vinyl chloride		ND	U	6	"	"	"	"	TO-15/SOP311
Bromomethane		ND	U	9	"	"	"	"	TO-15/SOP311
Chloroethane		ND	U	6	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane		70		10	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	20	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene		ND	U	9	"	"	"	"	TO-15/SOP311
2-Propanol		8		6	"	"	"	"	TO-15/SOP311
Dichloromethane		ND	U	8	"	"	"	"	TO-15/SOP311
trans-1,2-Dichloroethene		7	C1, J	9	"	"	"	"	TO-15/SOP311
1,1-Dichloroethane		30		9	"	"	"	"	TO-15/SOP311
cis-1,2-Dichloroethene		30		9	"	"	"	"	TO-15/SOP311
Chloroform		8	C1, J	10	"	"	"	"	TO-15/SOP311
1,1,1-Trichloroethane	RE1	3,000	C2, J	100	"	B0F0107	06/21/10	06/22/10	TO-15/SOP311
Carbon tetrachloride		ND	U	10	"	B0F0116	06/23/10	06/23/10	TO-15/SOP311
Benzene		ND	U	7	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane		ND	U	9	"	"	"	"	TO-15/SOP311
Trichloroethene	RE2	6,800		2,500	"	B0F0107	06/21/10	06/22/10	TO-15/SOP311
1,2-Dichloropropane		ND	U	10	"	B0F0116	06/23/10	06/23/10	TO-15/SOP311
cis-1,3-Dichloropropene		ND	U	10	"	"	"	"	TO-15/SOP311
Toluene		ND	U	9	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene		ND	U	10	"	"	"	"	TO-15/SOP311
1,1,2-Trichloroethane		ND	U	10	"	"	"	"	TO-15/SOP311
Tetrachloroethene		20		20	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)		ND	U	20	"	"	"	"	TO-15/SOP311
Chlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311

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Project Number:	R10S41	**75 Hawthorne Street**	**Reported:** 07/12/10 15:43
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1006037-12									**Air - Sampled: 06/19/10 16:45**
Sample ID: 1914-COD-SS-02-E3									**Volatile Organic Compounds by TO-15**
Ethylbenzene		ND	U	10	ug/m³ Air	B0F0116	06/23/10	06/23/10	TO-15/SOP311
m&p-Xylene		ND	U	20	"	"	"	"	TO-15/SOP311
o-Xylene		ND	U	10	"	"	"	"	TO-15/SOP311
Styrene		ND	U	10	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane		ND	U	20	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene		ND	C3, U, J	20	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene		ND	C3, J, U	20	"	"	"	"	TO-15/SOP311
Lab ID: 1006037-13									**Air - Sampled: 06/19/10 17:31**
Sample ID: 1914-COD-SS-03-E3 (can)									**Volatile Organic Compounds by TO-15**
1,2-Dichlorotetrafluoroethane		ND	U	20	ug/m³ Air	B0F0116	06/23/10	06/23/10	TO-15/SOP311
Chloromethane		ND	U	5	"	"	"	"	TO-15/SOP311
Vinyl chloride		ND	U	6	"	"	"	"	TO-15/SOP311
Bromomethane		ND	U	9	"	"	"	"	TO-15/SOP311
Chloroethane		ND	U	6	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane		10	C1	10	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	20	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene		ND	U	9	"	"	"	"	TO-15/SOP311
2-Propanol		6		6	"	"	"	"	TO-15/SOP311
Dichloromethane		ND	U	8	"	"	"	"	TO-15/SOP311
trans-1,2-Dichloroethene		ND	U	9	"	"	"	"	TO-15/SOP311
1,1-Dichloroethane		ND	U	9	"	"	"	"	TO-15/SOP311
cis-1,2-Dichloroethene		ND	U	9	"	"	"	"	TO-15/SOP311
Chloroform		10	C1	10	"	"	"	"	TO-15/SOP311
1,1,1-Trichloroethane	RE1	900		100	"	B0F0107	06/21/10	06/22/10	TO-15/SOP311
Carbon tetrachloride		ND	U	10	"	B0F0116	06/23/10	06/23/10	TO-15/SOP311
Benzene		ND	U	7	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane		ND	U	9	"	"	"	"	TO-15/SOP311
Trichloroethene	RE2	2,900		2,500	"	B0F0107	06/21/10	06/22/10	TO-15/SOP311
1,2-Dichloropropane		ND	U	10	"	B0F0116	06/23/10	06/23/10	TO-15/SOP311
cis-1,3-Dichloropropene		ND	U	10	"	"	"	"	TO-15/SOP311
Toluene		ND	U	9	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene		ND	U	10	"	"	"	"	TO-15/SOP311

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Project Manager: Raymond Chavira	**California Site Cleanup Section 3**	**SDG:** 10172A
Project Number: R10S41	**75 Hawthorne Street**	**Reported:** 07/12/10 15:43
Project: CTS Printex February 2010 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1006037-13									**Air - Sampled: 06/19/10 17:31**
Sample ID: 1914-COD-SS-03-E3 (can)									**Volatile Organic Compounds by TO-15**
1,1,2-Trichloroethane		ND	U	10	ug/m³ Air	B0F0116	06/23/10	06/23/10	TO-15/SOP311
Tetrachloroethene		30		20	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)		ND	U	20	"	"	"	"	TO-15/SOP311
Chlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
Ethylbenzene		ND	U	10	"	"	"	"	TO-15/SOP311
m&p-Xylene		ND	U	20	"	"	"	"	TO-15/SOP311
o-Xylene		ND	U	10	"	"	"	"	TO-15/SOP311
Styrene		ND	U	10	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane		ND	U	20	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene		ND	C3, J, U	20	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene		ND	C3, J, U	20	"	"	"	"	TO-15/SOP311
Lab ID: 1006037-20									**Air - Sampled: 06/19/10 17:31**
Sample ID: 1914-COD-SS-03-E3 (tedlar bag)									**Volatile Organic Compounds by TO-15**
1,2-Dichlorotetrafluoroethane		ND	U	10	ug/m³ Air	B0F0107	06/21/10	06/22/10	TO-15/SOP311
Chloromethane		ND	U	4	"	"	"	"	TO-15/SOP311
Vinyl chloride		ND	U	5	"	"	"	"	TO-15/SOP311
Bromomethane		ND	U	8	"	"	"	"	TO-15/SOP311
Chloroethane		ND	U	5	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane		ND	J, Q5, U	10	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	20	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene		ND	U	8	"	"	"	"	TO-15/SOP311
2-Propanol	RE1	120,000		11,000	"	B0F0116	06/23/10	06/23/10	TO-15/SOP311
Dichloromethane		3	C1, J	7	"	B0F0107	06/21/10	06/22/10	TO-15/SOP311
trans-1,2-Dichloroethene		ND	U	8	"	"	"	"	TO-15/SOP311
1,1-Dichloroethane		ND	U	8	"	"	"	"	TO-15/SOP311
cis-1,2-Dichloroethene		ND	U	8	"	"	"	"	TO-15/SOP311
Chloroform		ND	U	10	"	"	"	"	TO-15/SOP311
1,1,1-Trichloroethane		ND	U	10	"	"	"	"	TO-15/SOP311
Carbon tetrachloride		ND	U	10	"	"	"	"	TO-15/SOP311
Benzene		ND	U	6	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane		ND	U	8	"	"	"	"	TO-15/SOP311
Trichloroethene		ND	U	10	"	"	"	"	TO-15/SOP311

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Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10172A
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/12/10 15:43
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Sample Results

Lab ID: 1006037-20 — **Air - Sampled: 06/19/10 17:31**

Sample ID: 1914-COD-SS-03-E3 (tedlar bag)

Volatile Organic Compounds by TO-15

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,2-Dichloropropane		ND	U	9	ug/m³ Air	B0F0107	06/21/10	06/22/10	TO-15/SOP311
cis-1,3-Dichloropropene		ND	U	9	"	"	"	"	TO-15/SOP311
Toluene		20		8	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene		ND	U, J, Q2	9	"	"	"	"	TO-15/SOP311
1,1,2-Trichloroethane		ND	U	10	"	"	"	"	TO-15/SOP311
Tetrachloroethene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)		ND	U	20	"	"	"	"	TO-15/SOP311
Chlorobenzene		ND	U	9	"	"	"	"	TO-15/SOP311
Ethylbenzene		5	C1, J	9	"	"	"	"	TO-15/SOP311
m&p-Xylene		10	C1, J	20	"	"	"	"	TO-15/SOP311
o-Xylene		ND	U	9	"	"	"	"	TO-15/SOP311
Styrene		ND	U	9	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane		ND	U	10	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene		ND	U	10	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene		ND	C3, J, U	10	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene		ND	U, C3, J	20	"	"	"	"	TO-15/SOP311
Dimethylheptene		40	N TIC, J		"	"	"	"	TO-15/SOP311
Heptane, dimethyl-		50	N TIC, J		"	"	"	"	TO-15/SOP311
unknown hydrocarbon		60	N TIC, J		"	"	"	"	TO-15/SOP311

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10172A
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/12/10 15:43
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0107 - - General VOA - VOCs, Soil Gas										**Prepared & Analyzed: 06/21/10**
										Volatile Organic Compounds by TO-15 - Quality Control
Blank (B0F0107-BLK1)										
1,2-Dichlorotetrafluoroethane	ND	U	7	ug/m³ Air						
Chloromethane	ND	U	2.1	"						
Vinyl chloride	ND	U	2.6	"						
Bromomethane	ND	U	3.9	"						
Chloroethane	ND	U	2.6	"						
Trichlorofluoromethane	ND	U	5.6	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	7.7	"						
1,1-Dichloroethene	ND	U	4	"						
2-Propanol	ND	U	2.5	"						
Dichloromethane	ND	U	3.5	"						
trans-1,2-Dichloroethene	ND	U	4	"						
1,1-Dichloroethane	ND	U	4	"						
cis-1,2-Dichloroethene	ND	U	4	"						
Chloroform	ND	U	4.9	"						
1,1,1-Trichloroethane	ND	U	5.5	"						
Carbon tetrachloride	ND	U	6.3	"						
Benzene	ND	U	3.2	"						
1,2-Dichloroethane	ND	U	4	"						
Trichloroethene	ND	U	5.4	"						
1,2-Dichloropropane	ND	U	4.6	"						
cis-1,3-Dichloropropene	ND	U	4.5	"						
Toluene	ND	U	3.8	"						
trans-1,3-Dichloropropene	ND	J, Q2, U	4.5	"						
1,1,2-Trichloroethane	ND	U	5.5	"						
Tetrachloroethene	ND	U	6.8	"						
1,2-Dibromoethane (EDB)	ND	U	7.7	"						
Chlorobenzene	ND	U	4.6	"						
Ethylbenzene	ND	U	4.3	"						
m&p-Xylene	ND	U	8.7	"						
o-Xylene	ND	U	4.3	"						
Styrene	ND	U	4.3	"						
1,1,2,2-Tetrachloroethane	ND	U	6.9	"						
1,3,5-Trimethylbenzene	ND	U	4.9	"						
1,2,4-Trimethylbenzene	ND	U	4.9	"						
1,3-Dichlorobenzene	ND	U	6	"						
1,4-Dichlorobenzene	ND	U	6	"						
1,2-Dichlorobenzene	ND	U	6	"						
1,2,4-Trichlorobenzene	ND	C3, J, U	7.4	"						
Hexachlorobutadiene	ND	C3, J, U	11	"						
Duplicate (B0F0107-DUP1)			**Source: 1006036-01RE1**							

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Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10172A
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/12/10 15:43
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0107 - - General VOA - VOCs, Soil Gas										**Prepared & Analyzed: 06/21/10**
										Volatile Organic Compounds by TO-15 - Quality Control
Duplicate (B0F0107-DUP1)		**Source: 1006036-01RE1**								
Tetrachloroethene	1,930		160	ug/m³ Air		2,310			18	20
Duplicate (B0F0107-DUP2)		**Source: 1006037-09RE1**								
1,2-Dichlorotetrafluoroethane	ND	U	150	ug/m³ Air		ND				20
Chloromethane	ND	U	44	"		ND				20
Vinyl chloride	ND	U	55	"		ND				20
Bromomethane	ND	U	83	"		ND				20
Chloroethane	ND	U	57	"		ND				20
Trichlorofluoromethane	ND	U	120	"		ND				20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	160	"		ND				20
1,1-Dichloroethene	ND	U	85	"		48.5				20
2-Propanol	ND	U	53	"		ND				20
Dichloromethane	ND	U	75	"		ND				20
trans-1,2-Dichloroethene	ND	U	85	"		ND				20
1,1-Dichloroethane	ND	U	87	"		ND				20
cis-1,2-Dichloroethene	ND	U	85	"		ND				20
Chloroform	ND	U	100	"		ND				20
1,1,1-Trichloroethane	1,150	J, Q5	120	"		1,420			**21**	20
Carbon tetrachloride	ND	U	140	"		ND				20
Benzene	ND	U	69	"		ND				20
1,2-Dichloroethane	ND	U	87	"		ND				20
Trichloroethene	12,000	C2, J, Q5	120	"		15,200			**24**	20
1,2-Dichloropropane	ND	U	99	"		ND				20
cis-1,3-Dichloropropene	ND	U	98	"		ND				20
Toluene	ND	U	81	"		ND				20
trans-1,3-Dichloropropene	ND	J, Q2, U	98	"		ND				20
1,1,2-Trichloroethane	ND	U	120	"		ND				20
Tetrachloroethene	ND	U	150	"		ND				20
1,2-Dibromoethane (EDB)	ND	U	170	"		ND				20
Chlorobenzene	ND	U	99	"		ND				20
Ethylbenzene	ND	U	93	"		ND				20
m&p-Xylene	ND	U	190	"		ND				20
o-Xylene	ND	U	93	"		ND				20
Styrene	ND	U	92	"		ND				20
1,1,2,2-Tetrachloroethane	ND	U	150	"		ND				20
1,3,5-Trimethylbenzene	ND	U	110	"		ND				20
1,2,4-Trimethylbenzene	ND	U	110	"		ND				20
1,3-Dichlorobenzene	ND	U	130	"		ND				20
1,4-Dichlorobenzene	ND	U	130	"		ND				20
1,2-Dichlorobenzene	ND	U	130	"		ND				20
1,2,4-Trichlorobenzene	ND	C3, J, U	160	"		ND				20

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Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/12/10 15:43
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0107 - - General VOA - VOCs, Soil Gas									**Prepared: 06/21/10 Analyzed: 06/22/10**	
									Volatile Organic Compounds by TO-15 - Quality Control	
Duplicate (B0F0107-DUP2)		**Source: 1006037-09RE1**								
Hexachlorobutadiene	ND	C3, J, U	230	"		ND				20
Duplicate (B0F0107-DUP3)		**Source: 1006037-12RE1**								
1,2-Dichlorotetrafluoroethane	ND	U	160	ug/m³ Air		ND				20
Chloromethane	ND	U	48	"		ND				20
Vinyl chloride	ND	U	59	"		ND				20
Bromomethane	ND	U	90	"		ND				20
Chloroethane	ND	U	61	"		ND				20
Trichlorofluoromethane	80	C1, J, Q5	130	"		98.8			**21**	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	180	"		ND				20
1,1-Dichloroethene	ND	U	92	"		ND				20
2-Propanol	ND	U	57	"		ND				20
Dichloromethane	ND	U	80	"		ND				20
trans-1,2-Dichloroethene	ND	U	92	"		ND				20
1,1-Dichloroethane	ND	U	93	"		ND				20
cis-1,2-Dichloroethene	ND	U	92	"		ND				20
Chloroform	ND	U	110	"		ND				20
1,1,1-Trichloroethane	2,540	C2, J	130	"		3,030			18	20
Carbon tetrachloride	ND	U	150	"		ND				20
Benzene	ND	U	74	"		ND				20
1,2-Dichloroethane	ND	U	93	"		ND				20
Trichloroethene	9,980	C2, J	120	"		11,900			17	20
1,2-Dichloropropane	ND	U	110	"		ND				20
cis-1,3-Dichloropropene	ND	U	100	"		ND				20
Toluene	ND	U	87	"		ND				20
trans-1,3-Dichloropropene	ND	J, Q2, U	100	"		ND				20
1,1,2-Trichloroethane	ND	U	130	"		ND				20
Tetrachloroethene	ND	U	160	"		ND				20
1,2-Dibromoethane (EDB)	ND	U	180	"		ND				20
Chlorobenzene	ND	U	110	"		ND				20
Ethylbenzene	ND	U	100	"		ND				20
m&p-Xylene	ND	U	200	"		ND				20
o-Xylene	ND	U	100	"		ND				20
Styrene	ND	U	98	"		ND				20
1,1,2,2-Tetrachloroethane	ND	U	160	"		ND				20
1,3,5-Trimethylbenzene	ND	U	110	"		ND				20
1,2,4-Trimethylbenzene	ND	U	110	"		ND				20
1,3-Dichlorobenzene	ND	U	140	"		ND				20
1,4-Dichlorobenzene	ND	U	140	"		ND				20
1,2-Dichlorobenzene	ND	U	140	"		ND				20
1,2,4-Trichlorobenzene	ND	C3, J, U	170	"		ND				20
Hexachlorobutadiene	ND	J, C3, U	250	"		ND				20

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Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10172A
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/12/10 15:43
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0116 - - General VOA - VOCs, Soil Gas										**Prepared & Analyzed: 06/23/10**
										Volatile Organic Compounds by TO-15 - Quality Control
Blank (B0F0116-BLK1)										
1,2-Dichlorotetrafluoroethane	ND	U	7	ug/m³ Air						
Chloromethane	ND	U	2.1	"						
Vinyl chloride	ND	U	2.6	"						
Bromomethane	ND	U	3.9	"						
Chloroethane	ND	U	2.6	"						
Trichlorofluoromethane	ND	U	5.6	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	7.7	"						
1,1-Dichloroethene	ND	U	4	"						
2-Propanol	ND	U	2.5	"						
Dichloromethane	ND	U	3.5	"						
trans-1,2-Dichloroethene	ND	U	4	"						
1,1-Dichloroethane	ND	U	4	"						
cis-1,2-Dichloroethene	ND	U	4	"						
Chloroform	ND	U	4.9	"						
1,1,1-Trichloroethane	ND	U	5.5	"						
Carbon tetrachloride	ND	U	6.3	"						
Benzene	ND	U	3.2	"						
1,2-Dichloroethane	ND	U	4	"						
Trichloroethene	ND	U	5.4	"						
1,2-Dichloropropane	ND	U	4.6	"						
cis-1,3-Dichloropropene	ND	U	4.5	"						
Toluene	ND	U	3.8	"						
trans-1,3-Dichloropropene	ND	U	4.5	"						
1,1,2-Trichloroethane	ND	U	5.5	"						
Tetrachloroethene	ND	U	6.8	"						
1,2-Dibromoethane (EDB)	ND	U	7.7	"						
Chlorobenzene	ND	U	4.6	"						
Ethylbenzene	ND	U	4.3	"						
m&p-Xylene	ND	U	8.7	"						
o-Xylene	ND	U	4.3	"						
Styrene	ND	U	4.3	"						
1,1,2,2-Tetrachloroethane	ND	U	6.9	"						
1,3,5-Trimethylbenzene	ND	U	4.9	"						
1,2,4-Trimethylbenzene	ND	U	4.9	"						
1,3-Dichlorobenzene	ND	U	6	"						
1,4-Dichlorobenzene	ND	U	6	"						
1,2-Dichlorobenzene	ND	U	6	"						
1,2,4-Trichlorobenzene	ND	C3, J, U	7.4	"						
Hexachlorobutadiene	ND	C3, J, U	11	"						
LCS (B0F0116-BS1)										

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Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10172A
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/12/10 15:43
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Batch B0F0116 - - General VOA - VOCs, Soil Gas — **Prepared & Analyzed: 06/23/10**

Volatile Organic Compounds by TO-15 - Quality Control

LCS (B0F0116-BS1)

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,2-Dichlorotetrafluoroethane	67		7	ug/m³ Air	68.5		99	68-147		200
Chloromethane	19		2.1	"	22.1		88	64-141		200
Vinyl chloride	24		2.6	"	28.1		84	65-141		200
Bromomethane	35		3.9	"	41.9		83	71-132		200
Chloroethane	26		2.6	"	28.5		90	70-134		200
Trichlorofluoromethane	58		5.6	"	61.2		96	72-141		200
1,1,2-Trichloro-1,2,2-trifluoroethane	69		7.7	"	81.2		85	68-134		200
1,1-Dichloroethene	39		4	"	41.6		94	81-127		200
2-Propanol	22		2.5	"	24.8		89	71-142		200
Dichloromethane	31		3.5	"	37.1		82	74-116		200
trans-1,2-Dichloroethene	39		4	"	41.2		95	82-136		200
1,1-Dichloroethane	37		4	"	43.3		86	82-123		200
cis-1,2-Dichloroethene	40		4	"	43.2		92	83-126		200
Chloroform	48		4.9	"	52.7		92	81-127		200
1,1,1-Trichloroethane	59		5.5	"	58.9		100	80-131		200
Carbon tetrachloride	67		6.3	"	68.5		98	77-136		200
Benzene	29		3.2	"	34.8		83	77-131		200
1,2-Dichloroethane	49		4	"	43.7		111	70-149		200
Trichloroethene	53		5.4	"	58.5		91	81-125		200
1,2-Dichloropropane	43		4.6	"	49.9		85	74-135		200
cis-1,3-Dichloropropene	44		4.5	"	49.0		89	77-129		200
Toluene	36		3.8	"	41.0		87	79-126		200
trans-1,3-Dichloropropene	41		4.5	"	49.9		82	81-137		200
1,1,2-Trichloroethane	50		5.5	"	58.9		85	76-124		200
Tetrachloroethene	66		6.8	"	73.2		90	80-122		200
1,2-Dibromoethane (EDB)	70		7.7	"	84.4		83	78-124		200
Chlorobenzene	43		4.6	"	50.1		86	76-120		200
Ethylbenzene	43		4.3	"	47.3		92	75-125		200
m&p-Xylene	92		8.7	"	94.6		98	75-128		200
o-Xylene	46		4.3	"	46.4		98	74-128		200
Styrene	41		4.3	"	45.5		90	69-122		200
1,1,2,2-Tetrachloroethane	65		6.9	"	73.4		88	70-130		200
1,3,5-Trimethylbenzene	55		4.9	"	50.6		108	70-134		200
1,2,4-Trimethylbenzene	55		4.9	"	52.1		105	65-129		200
1,3-Dichlorobenzene	63		6	"	64.9		97	62-130		200
1,4-Dichlorobenzene	65		6	"	65.5		99	61-131		200
1,2-Dichlorobenzene	62		6	"	63.7		97	60-130		200
1,2,4-Trichlorobenzene	58	C3, J	7.4	"	77.1		75	38-128		200
Hexachlorobutadiene	70	C3, J	11	"	113		62	37-124		200

Duplicate (B0F0116-DUP1) **Source: 1006037-20RE1**

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Project Manager:	Raymond Chavira	**California Site Cleanup Section 3**		**SDG:**	10172A
Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/12/10 15:43
Project:	CTS Printex February 2010 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0F0116 - - General VOA - VOCs, Soil Gas										**Prepared & Analyzed: 06/23/10**
										Volatile Organic Compounds by TO-15 - Quality Control
Duplicate (B0F0116-DUP1)		**Source: 1006037-20RE1**								
2-Propanol	116,000		11,000	ug/m³ Air		115,000			0.4	20

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Project Number:	R10S41	**75 Hawthorne Street**		**Reported:**	07/12/10 15:43
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Qualifiers and Comments

Q5	Sample duplicate precision criteria were not met for this analyte (see duplicate results for this batch in QC summary).
Q2	The laboratory control standard associated with this sample did not meet recovery criteria for this analyte (see LCS results for this batch in QC summary).
N TIC	Tentatively Idenitified Compound - This compound was identified only by match with mass spectral library. Identification and quantitation should be considered tentative and presumptive.
J	The reported result for this analyte should be considered an estimated value.
C3	The initial calibration for this analyte did not meet calibration criteria.
C2	The reported concentration for this analyte is above the calibration range of the instrument.
C1	The reported concentration for this analyte is below the quantitation limit.
U	Not Detected
NR	Not Reported
RE1, RE2, etc:	Result is from a sample re-analysis.

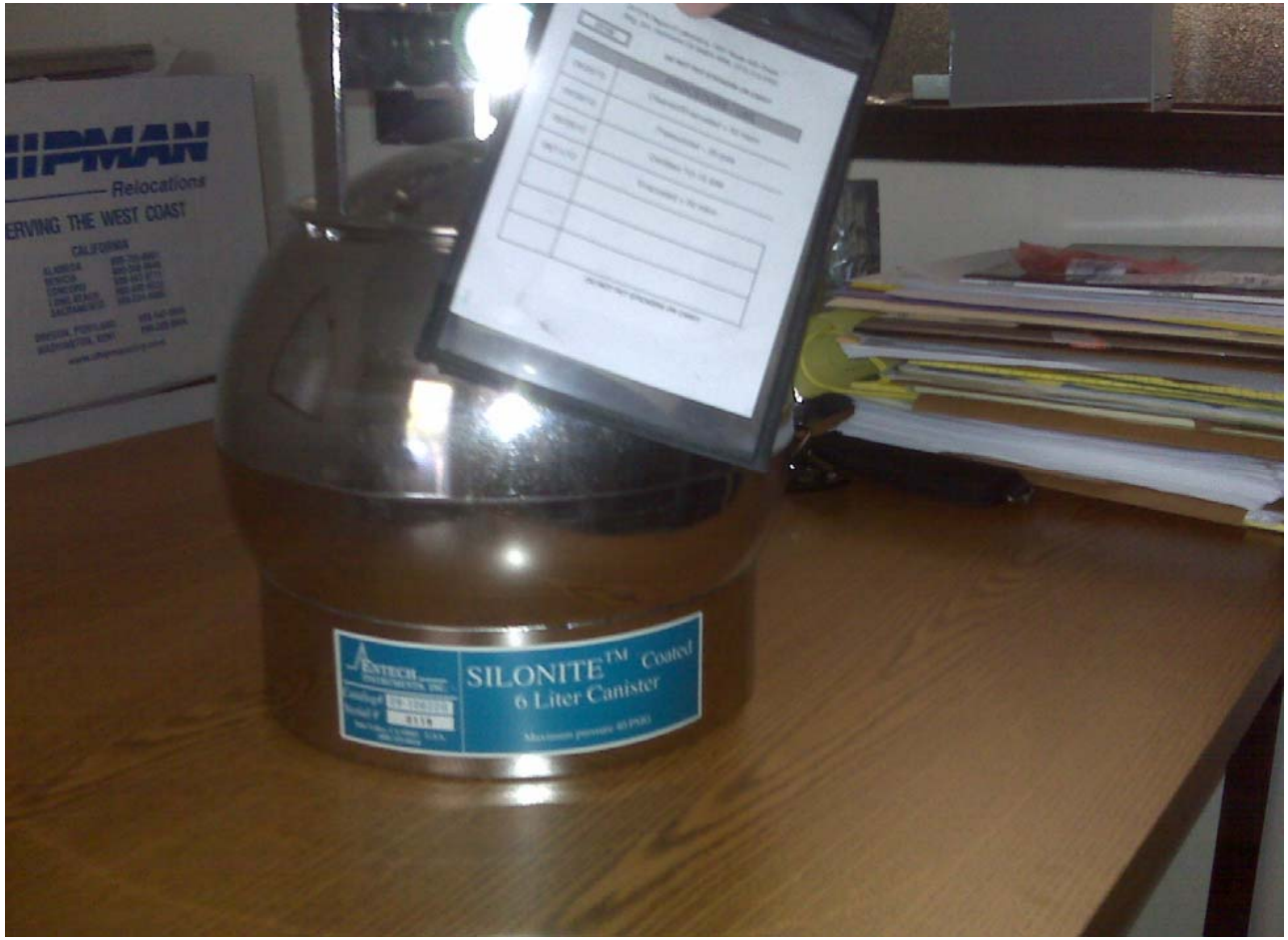
CODAR Sub-Slab Sampling (Work Area)

1914COD-SS-02-E3

CODAR, Near Kitchen Area
(1914COD-1A-06-E3)

CODAR Work Area – 1914COD-IA-07-E3

CODAR Office Area (1914COD-1A-09-E3)



CODAR Office Area (1914COD-1A-09-E3)

CODAR Warehouse Area – Duplicate Samples 1914COD-IA-08-E3 and 1914COD-IA-10-E3

Outdoor Ambient Air Sample – outside CODAR
935-OA-IA-E3

1924 Plymouth Street – Unit C
1924Excel-1A-11-E3

9/17/2010
Dr. Riz Sarmiento
Innovative Technical Solutions, Inc. (ITSI)
2730 Shadelands Drive
Suite 100
Walnut Creek CA 94598

Project Name: CTS Printex
Project #: 14555
Workorder #: 1008686

Dear Dr. Riz Sarmiento

The following report includes the data for the above referenced project for sample(s) received on 8/30/2010 at Air Toxics Ltd.

The data and associated QC analyzed by ATL Applications are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori
Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1008686

Work Order Summary

CLIENT:	Dr. Riz Sarmiento Innovative Technical Solutions, Inc. (ITSI) 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	**BILL TO:**	Dr. Riz Sarmiento Innovative Technical Solutions, Inc. (ITSI) 2730 Shadelands Drive Suite 100
PHONE:	925-946-3414	**P.O. #**	5056-07163.0034
FAX:	925-256-8998	**PROJECT #**	14555 CTS Printex
DATE RECEIVED:	08/30/2010	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	09/13/2010		

FRACTION #	NAME	TEST
01A	10050	ATL Applications
02A	10049	ATL Applications
03A	10051	ATL Applications
04A	10052	ATL Applications
05A	10053	ATL Applications
06A	10054	ATL Applications
07A	10055	ATL Applications
08A	10056	ATL Applications
09A	10057	ATL Applications
10A	Lab Blank	ATL Applications
11A	LCS	ATL Applications
11AA	LCSD	ATL Applications

CERTIFIED BY: Linda J. Freeman

Laboratory Director

DATE: 09/13/10

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LABORATORY NARRATIVE
ATL GC/MS Application #48
Innovative Technical Solutions, Inc. (ITSI)
Workorder# 1008686

Nine Radiello 130 (Solvent) samples were received on August 30, 2010. The laboratory performed analysis via GC/MS Application #48. Each tube was extracted with 2.0 mL of carbon disulfide. The extract was analyzed by GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Sample concentrations were calculated using sampling rates provided by the manufacturer. These sampling rate values already take into account the desorption efficiency with carbon disulfide. As a result, the average concentration over the sampling duration is calculated from the mass of analyte measured and the exposure time without a correction factor. Results were calculated based on 25 deg C without temperature correction.

The rate for 1,2,4-Trimethylbenzene was estimated based on Graham's Law using the sampling rate of ethyl benzene as the reference. The theoretical sampling rate was calculated as 60 mL/min. The resulting concentration was flagged as an estimated value.

The actual exposure time was used to calculate sample concentrations and reporting limits. An exposure time of 10025 minutes was used for the Laboratory Blank.

All Quality Control Limit exceedences and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
RADIELLO VOCS BY GC/MS

Client Sample ID: 10050

Lab ID#: 1008686-01A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	5.1
Benzene	0.25	0.65
Acetone	0.26	13
Ethanol	0.98	29
2-Propanol	0.38	42
Carbon Tetrachloride	0.15	0.40
2-Butanone (Methyl Ethyl Ketone)	0.13	11
4-Methyl-2-pentanone	0.30	0.72
Toluene	0.13	4.3
Ethyl Benzene	0.15	1.1
Tetrachloroethene	0.17	0.19
m,p-Xylene	0.28	3.0
o-Xylene	0.15	1.1
1,2,4-Trimethylbenzene	0.17	0.50 J
1,4-Dichlorobenzene	0.20	0.36
1,2-Dichloroethane	0.13	0.16
Cyclohexane	0.18	0.71
Ethyl Acetate	0.51	18
Heptane	0.17	0.85
Hexane	0.15	0.87

Client Sample ID: 10049

Lab ID#: 1008686-02A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	6.2
Benzene	0.25	0.68
Acetone	0.26	12
Ethanol	0.98	32
2-Propanol	0.38	40
Carbon Tetrachloride	0.15	0.42

Summary of Detected Compounds
RADIELLO VOCS BY GC/MS

Client Sample ID: 10049

Lab ID#: 1008686-02A

2-Butanone (Methyl Ethyl Ketone)	0.13	12
4-Methyl-2-pentanone	0.30	0.77
Toluene	0.13	4.6
Ethyl Benzene	0.15	1.1
Tetrachloroethene	0.17	0.25
m,p-Xylene	0.28	3.4
o-Xylene	0.15	1.2
1,2,4-Trimethylbenzene	0.17	0.56 J
1,4-Dichlorobenzene	0.20	0.41
1,2-Dichloroethane	0.13	0.17
Cyclohexane	0.18	0.85
Ethyl Acetate	0.51	19
Heptane	0.17	0.75
Hexane	0.15	0.86

Client Sample ID: 10051

Lab ID#: 1008686-03A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.22
Benzene	0.25	0.51
Acetone	0.26	0.47
2-Propanol	0.38	0.48
Carbon Tetrachloride	0.15	0.32
2-Butanone (Methyl Ethyl Ketone)	0.13	0.31
Toluene	0.13	2.0
Ethyl Benzene	0.15	0.38
m,p-Xylene	0.28	1.2
o-Xylene	0.15	0.42
1,2,4-Trimethylbenzene	0.17	0.34 J
Cyclohexane	0.18	0.26
Heptane	0.17	0.46
Hexane	0.15	0.50

Summary of Detected Compounds
RADIELLO VOCS BY GC/MS

Client Sample ID: 10052

Lab ID#: 1008686-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.54
Benzene	0.25	1.0
Acetone	0.26	1.6
Ethanol	0.98	24
2-Propanol	0.38	5.1
Carbon Tetrachloride	0.15	0.34
2-Butanone (Methyl Ethyl Ketone)	0.13	17
Toluene	0.13	6.1
Ethyl Benzene	0.15	0.62
m,p-Xylene	0.28	1.6
o-Xylene	0.15	0.51
1,2,4-Trimethylbenzene	0.17	0.45 J
1,4-Dichlorobenzene	0.20	0.24
Cyclohexane	0.18	0.31
Ethyl Acetate	0.51	28
Heptane	0.17	0.42
Hexane	0.15	0.53

Client Sample ID: 10053

Lab ID#: 1008686-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.58
Benzene	0.25	1.1
Acetone	0.26	1.9
Ethanol	0.98	24
2-Propanol	0.38	5.3
Carbon Tetrachloride	0.15	0.40
2-Butanone (Methyl Ethyl Ketone)	0.13	19
Toluene	0.13	6.9
Ethyl Benzene	0.15	0.68

Summary of Detected Compounds
RADIELLO VOCS BY GC/MS

Client Sample ID: 10053

Lab ID#: 1008686-05A

m,p-Xylene	0.28	1.9
o-Xylene	0.15	0.59
1,2,4-Trimethylbenzene	0.17	0.50 J
1,4-Dichlorobenzene	0.20	0.29
Cyclohexane	0.18	0.35
Ethyl Acetate	0.51	31
Heptane	0.17	0.64
Hexane	0.15	0.65

Client Sample ID: 10054

Lab ID#: 1008686-06A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.22
Benzene	0.25	0.57
Acetone	0.26	0.48
2-Propanol	0.38	0.39
Carbon Tetrachloride	0.15	0.36
2-Butanone (Methyl Ethyl Ketone)	0.13	0.35
Toluene	0.13	2.2
Ethyl Benzene	0.15	0.35
m,p-Xylene	0.28	1.2
o-Xylene	0.15	0.39
1,2,4-Trimethylbenzene	0.17	0.31 J
Cyclohexane	0.18	0.23
Heptane	0.17	0.53
Hexane	0.15	0.61

Client Sample ID: 10055

Lab ID#: 1008686-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.92

Summary of Detected Compounds
RADIELLO VOCS BY GC/MS

Client Sample ID: 10055

Lab ID#: 1008686-07A

Benzene	0.25	0.52
Acetone	0.26	3.1
Ethanol	0.98	8.8
2-Propanol	0.38	0.92
Carbon Tetrachloride	0.15	0.35
2-Butanone (Methyl Ethyl Ketone)	0.13	0.60
Toluene	0.13	2.8
Ethyl Benzene	0.15	0.34
m,p-Xylene	0.28	1.2
o-Xylene	0.15	0.41
1,2,4-Trimethylbenzene	0.17	0.33 J
Cyclohexane	0.18	0.27
Ethyl Acetate	0.51	0.46
Heptane	0.17	0.61
Hexane	0.15	1.2

Client Sample ID: 10056

Lab ID#: 1008686-08A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	1.5
Benzene	0.25	0.70
Acetone	0.26	2.6
Ethanol	0.98	19
2-Propanol	0.38	1.4
Carbon Tetrachloride	0.15	0.48
2-Butanone (Methyl Ethyl Ketone)	0.13	0.95
Toluene	0.13	3.9
Ethyl Benzene	0.15	0.53
m,p-Xylene	0.28	1.7
o-Xylene	0.15	0.47
1,2,4-Trimethylbenzene	0.17	0.50 J
Cyclohexane	0.18	0.38

Summary of Detected Compounds
RADIELLO VOCS BY GC/MS

Client Sample ID: 10056

Lab ID#: 1008686-08A

Ethyl Acetate	0.51	0.89
Heptane	0.17	0.75
Hexane	0.15	1.4

Client Sample ID: 10057

Lab ID#: 1008686-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.25
Benzene	0.25	0.52
Acetone	0.26	0.46
2-Propanol	0.38	0.63
Carbon Tetrachloride	0.15	0.36
2-Butanone (Methyl Ethyl Ketone)	0.13	0.40
Toluene	0.13	2.1
Ethyl Benzene	0.15	0.42
m,p-Xylene	0.28	1.2
o-Xylene	0.15	0.43
1,2,4-Trimethylbenzene	0.17	0.40 J
Cyclohexane	0.18	0.23
Ethyl Acetate	0.51	0.23
Heptane	0.17	0.61
Hexane	0.15	0.50

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 10050

Lab ID#: 1008686-01A

RADIELLO VOCS BY GC/MS

File Name:	**q090710**	**Date of Collection: 8/28/10 10:49:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 12:39 PM**
		Date of Extraction: 9/7/10

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	5.1
Benzene	0.25	0.65
Trichloroethene	0.14	Not Detected
Acetone	0.26	13
Ethanol	0.98	29
2-Propanol	0.38	42
Carbon Tetrachloride	0.15	0.40
2-Butanone (Methyl Ethyl Ketone)	0.13	11
4-Methyl-2-pentanone	0.30	0.72
Toluene	0.13	4.3
Ethyl Benzene	0.15	1.1
Tetrachloroethene	0.17	0.19
m,p-Xylene	0.28	3.0
o-Xylene	0.15	1.1
Styrene	0.16	Not Detected
Chlorobenzene	0.15	Not Detected
1,2,4-Trimethylbenzene	0.17	0.50 J
1,4-Dichlorobenzene	0.20	0.36
Naphthalene	0.40	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected
1,2-Dichloroethane	0.13	0.16
Cyclohexane	0.18	0.71
Ethyl Acetate	0.51	18
Heptane	0.17	0.85
Hexane	0.15	0.87
Methyl tert-butyl ether	0.15	Not Detected
Propylbenzene	0.18	Not Detected

J = Estimated value.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 10049

Lab ID#: 1008686-02A

RADIELLO VOCS BY GC/MS

File Name:	**q090711**	**Date of Collection: 8/28/10 10:47:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 01:02 PM**
		Date of Extraction: 9/7/10

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	6.2
Benzene	0.25	0.68
Trichloroethene	0.14	Not Detected
Acetone	0.26	12
Ethanol	0.98	32
2-Propanol	0.38	40
Carbon Tetrachloride	0.15	0.42
2-Butanone (Methyl Ethyl Ketone)	0.13	12
4-Methyl-2-pentanone	0.30	0.77
Toluene	0.13	4.6
Ethyl Benzene	0.15	1.1
Tetrachloroethene	0.17	0.25
m,p-Xylene	0.28	3.4
o-Xylene	0.15	1.2
Styrene	0.16	Not Detected
Chlorobenzene	0.15	Not Detected
1,2,4-Trimethylbenzene	0.17	0.56 J
1,4-Dichlorobenzene	0.20	0.41
Naphthalene	0.40	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected
1,2-Dichloroethane	0.13	0.17
Cyclohexane	0.18	0.85
Ethyl Acetate	0.51	19
Heptane	0.17	0.75
Hexane	0.15	0.86
Methyl tert-butyl ether	0.15	Not Detected
Propylbenzene	0.18	Not Detected

J = Estimated value.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 10051

Lab ID#: 1008686-03A

RADIELLO VOCS BY GC/MS

File Name:	**q090712**	**Date of Collection: 8/28/10 10:54:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 01:26 PM**
		Date of Extraction: 9/7/10

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.22
Benzene	0.25	0.51
Trichloroethene	0.14	Not Detected
Acetone	0.26	0.47
Ethanol	0.98	Not Detected
2-Propanol	0.38	0.48
Carbon Tetrachloride	0.15	0.32
2-Butanone (Methyl Ethyl Ketone)	0.13	0.31
4-Methyl-2-pentanone	0.30	Not Detected
Toluene	0.13	2.0
Ethyl Benzene	0.15	0.38
Tetrachloroethene	0.17	Not Detected
m,p-Xylene	0.28	1.2
o-Xylene	0.15	0.42
Styrene	0.16	Not Detected
Chlorobenzene	0.15	Not Detected
1,2,4-Trimethylbenzene	0.17	0.34 J
1,4-Dichlorobenzene	0.20	Not Detected
Naphthalene	0.40	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected
1,2-Dichloroethane	0.13	Not Detected
Cyclohexane	0.18	0.26
Ethyl Acetate	0.51	Not Detected
Heptane	0.17	0.46
Hexane	0.15	0.50
Methyl tert-butyl ether	0.15	Not Detected
Propylbenzene	0.18	Not Detected

J = Estimated value.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 10052

Lab ID#: 1008686-04A

RADIELLO VOCS BY GC/MS

File Name:	**q090713**	**Date of Collection: 8/28/10 11:07:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 01:49 PM**
		Date of Extraction: 9/7/10

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.54
Benzene	0.25	1.0
Trichloroethene	0.14	Not Detected
Acetone	0.26	1.6
Ethanol	0.98	24
2-Propanol	0.38	5.1
Carbon Tetrachloride	0.15	0.34
2-Butanone (Methyl Ethyl Ketone)	0.13	17
4-Methyl-2-pentanone	0.30	Not Detected
Toluene	0.13	6.1
Ethyl Benzene	0.15	0.62
Tetrachloroethene	0.17	Not Detected
m,p-Xylene	0.28	1.6
o-Xylene	0.15	0.51
Styrene	0.16	Not Detected
Chlorobenzene	0.15	Not Detected
1,2,4-Trimethylbenzene	0.17	0.45 J
1,4-Dichlorobenzene	0.20	0.24
Naphthalene	0.40	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected
1,2-Dichloroethane	0.13	Not Detected
Cyclohexane	0.18	0.31
Ethyl Acetate	0.51	28
Heptane	0.17	0.42
Hexane	0.15	0.53
Methyl tert-butyl ether	0.15	Not Detected
Propylbenzene	0.18	Not Detected

J = Estimated value.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 10053

Lab ID#: 1008686-05A

RADIELLO VOCS BY GC/MS

File Name:	**q090714**	**Date of Collection: 8/28/10 11:07:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 02:12 PM**
		Date of Extraction: 9/7/10

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.58
Benzene	0.25	1.1
Trichloroethene	0.14	Not Detected
Acetone	0.26	1.9
Ethanol	0.98	24
2-Propanol	0.38	5.3
Carbon Tetrachloride	0.15	0.40
2-Butanone (Methyl Ethyl Ketone)	0.13	19
4-Methyl-2-pentanone	0.30	Not Detected
Toluene	0.13	6.9
Ethyl Benzene	0.15	0.68
Tetrachloroethene	0.17	Not Detected
m,p-Xylene	0.28	1.9
o-Xylene	0.15	0.59
Styrene	0.16	Not Detected
Chlorobenzene	0.15	Not Detected
1,2,4-Trimethylbenzene	0.17	0.50 J
1,4-Dichlorobenzene	0.20	0.29
Naphthalene	0.40	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected
1,2-Dichloroethane	0.13	Not Detected
Cyclohexane	0.18	0.35
Ethyl Acetate	0.51	31
Heptane	0.17	0.64
Hexane	0.15	0.65
Methyl tert-butyl ether	0.15	Not Detected
Propylbenzene	0.18	Not Detected

J = Estimated value.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 10054

Lab ID#: 1008686-06A

RADIELLO VOCS BY GC/MS

File Name:	**q090715**	**Date of Collection: 8/28/10 11:04:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 02:35 PM**
		Date of Extraction: 9/7/10

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.22
Benzene	0.25	0.57
Trichloroethene	0.14	Not Detected
Acetone	0.26	0.48
Ethanol	0.98	Not Detected
2-Propanol	0.38	0.39
Carbon Tetrachloride	0.15	0.36
2-Butanone (Methyl Ethyl Ketone)	0.13	0.35
4-Methyl-2-pentanone	0.30	Not Detected
Toluene	0.13	2.2
Ethyl Benzene	0.15	0.35
Tetrachloroethene	0.17	Not Detected
m,p-Xylene	0.28	1.2
o-Xylene	0.15	0.39
Styrene	0.16	Not Detected
Chlorobenzene	0.15	Not Detected
1,2,4-Trimethylbenzene	0.17	0.31 J
1,4-Dichlorobenzene	0.20	Not Detected
Naphthalene	0.40	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected
1,2-Dichloroethane	0.13	Not Detected
Cyclohexane	0.18	0.23
Ethyl Acetate	0.51	Not Detected
Heptane	0.17	0.53
Hexane	0.15	0.61
Methyl tert-butyl ether	0.15	Not Detected
Propylbenzene	0.18	Not Detected

J = Estimated value.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 10055

Lab ID#: 1008686-07A

RADIELLO VOCS BY GC/MS

File Name:	**q090716**	**Date of Collection: 8/28/10 11:17:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 02:58 PM**
		Date of Extraction: 9/7/10

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.92
Benzene	0.25	0.52
Trichloroethene	0.14	Not Detected
Acetone	0.26	3.1
Ethanol	0.98	8.8
2-Propanol	0.38	0.92
Carbon Tetrachloride	0.15	0.35
2-Butanone (Methyl Ethyl Ketone)	0.13	0.60
4-Methyl-2-pentanone	0.30	Not Detected
Toluene	0.13	2.8
Ethyl Benzene	0.15	0.34
Tetrachloroethene	0.17	Not Detected
m,p-Xylene	0.28	1.2
o-Xylene	0.15	0.41
Styrene	0.16	Not Detected
Chlorobenzene	0.15	Not Detected
1,2,4-Trimethylbenzene	0.17	0.33 J
1,4-Dichlorobenzene	0.20	Not Detected
Naphthalene	0.40	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected
1,2-Dichloroethane	0.13	Not Detected
Cyclohexane	0.18	0.27
Ethyl Acetate	0.51	0.46
Heptane	0.17	0.61
Hexane	0.15	1.2
Methyl tert-butyl ether	0.15	Not Detected
Propylbenzene	0.18	Not Detected

J = Estimated value.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 10056

Lab ID#: 1008686-08A

RADIELLO VOCS BY GC/MS

File Name:	**q090717**	**Date of Collection: 8/28/10 11:18:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 03:21 PM**
		Date of Extraction: 9/7/10

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	1.5
Benzene	0.25	0.70
Trichloroethene	0.14	Not Detected
Acetone	0.26	2.6
Ethanol	0.98	19
2-Propanol	0.38	1.4
Carbon Tetrachloride	0.15	0.48
2-Butanone (Methyl Ethyl Ketone)	0.13	0.95
4-Methyl-2-pentanone	0.30	Not Detected
Toluene	0.13	3.9
Ethyl Benzene	0.15	0.53
Tetrachloroethene	0.17	Not Detected
m,p-Xylene	0.28	1.7
o-Xylene	0.15	0.47
Styrene	0.16	Not Detected
Chlorobenzene	0.15	Not Detected
1,2,4-Trimethylbenzene	0.17	0.50 J
1,4-Dichlorobenzene	0.20	Not Detected
Naphthalene	0.40	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected
1,2-Dichloroethane	0.13	Not Detected
Cyclohexane	0.18	0.38
Ethyl Acetate	0.51	0.89
Heptane	0.17	0.75
Hexane	0.15	1.4
Methyl tert-butyl ether	0.15	Not Detected
Propylbenzene	0.18	Not Detected

J = Estimated value.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 10057

Lab ID#: 1008686-09A

RADIELLO VOCS BY GC/MS

File Name:	**q090718**	**Date of Collection: 8/28/10 11:20:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 03:45 PM**
		Date of Extraction: 9/7/10

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	0.25
Benzene	0.25	0.52
Trichloroethene	0.14	Not Detected
Acetone	0.26	0.46
Ethanol	0.98	Not Detected
2-Propanol	0.38	0.63
Carbon Tetrachloride	0.15	0.36
2-Butanone (Methyl Ethyl Ketone)	0.13	0.40
4-Methyl-2-pentanone	0.30	Not Detected
Toluene	0.13	2.1
Ethyl Benzene	0.15	0.42
Tetrachloroethene	0.17	Not Detected
m,p-Xylene	0.28	1.2
o-Xylene	0.15	0.43
Styrene	0.16	Not Detected
Chlorobenzene	0.15	Not Detected
1,2,4-Trimethylbenzene	0.17	0.40 J
1,4-Dichlorobenzene	0.20	Not Detected
Naphthalene	0.40	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected
1,2-Dichloroethane	0.13	Not Detected
Cyclohexane	0.18	0.23
Ethyl Acetate	0.51	0.23
Heptane	0.17	0.61
Hexane	0.15	0.50
Methyl tert-butyl ether	0.15	Not Detected
Propylbenzene	0.18	Not Detected

J = Estimated value.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1008686-10A

RADIELLO VOCS BY GC/MS

File Name:	**q090705**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 10:44 AM**
		Date of Extraction: 9/7/10

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.13	Not Detected
Benzene	0.25	Not Detected
Trichloroethene	0.14	Not Detected
Acetone	0.26	Not Detected
Ethanol	0.98	Not Detected
2-Propanol	0.38	Not Detected
Carbon Tetrachloride	0.15	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.13	Not Detected
4-Methyl-2-pentanone	0.30	Not Detected
Toluene	0.13	Not Detected
Ethyl Benzene	0.15	Not Detected
Tetrachloroethene	0.17	Not Detected
m,p-Xylene	0.28	Not Detected
o-Xylene	0.15	Not Detected
Styrene	0.16	Not Detected
Chlorobenzene	0.15	Not Detected
1,2,4-Trimethylbenzene	0.17	Not Detected J
1,4-Dichlorobenzene	0.20	Not Detected
Naphthalene	0.40	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected
1,2-Dichloroethane	0.13	Not Detected
Cyclohexane	0.18	Not Detected
Ethyl Acetate	0.51	Not Detected
Heptane	0.17	Not Detected
Hexane	0.15	Not Detected
Methyl tert-butyl ether	0.15	Not Detected
Propylbenzene	0.18	Not Detected

J = Estimated value.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS
Lab ID#: 1008686-11A
RADIELLO VOCS BY GC/MS

File Name:	**q090703**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 09:58 AM**
		Date of Extraction: 9/7/10

Compound	%Recovery
Chloroform	91
Benzene	80
Trichloroethene	103
Acetone	97
Ethanol	102
2-Propanol	59
Carbon Tetrachloride	85
2-Butanone (Methyl Ethyl Ketone)	113
4-Methyl-2-pentanone	103
Toluene	90
Ethyl Benzene	98
Tetrachloroethene	91
m,p-Xylene	91
o-Xylene	84
Styrene	49
Chlorobenzene	80
1,2,4-Trimethylbenzene	78
1,4-Dichlorobenzene	69
Naphthalene	7.6 Q
1,1,1-Trichloroethane	92
1,2-Dichloroethane	90
Cyclohexane	99
Ethyl Acetate	102
Heptane	104
Hexane	104
Methyl tert-butyl ether	91
Propylbenzene	80

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD
Lab ID#: 1008686-11AA
RADIELLO VOCS BY GC/MS

File Name:	**q090704**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/10 10:21 AM**
		Date of Extraction: 9/7/10

Compound	**%Recovery**
Chloroform	88
Benzene	78
Trichloroethene	100
Acetone	89
Ethanol	89
2-Propanol	55
Carbon Tetrachloride	84
2-Butanone (Methyl Ethyl Ketone)	109
4-Methyl-2-pentanone	102
Toluene	92
Ethyl Benzene	100
Tetrachloroethene	90
m,p-Xylene	94
o-Xylene	85
Styrene	52
Chlorobenzene	82
1,2,4-Trimethylbenzene	82
1,4-Dichlorobenzene	72
Naphthalene	8.0 Q
1,1,1-Trichloroethane	91
1,2-Dichloroethane	89
Cyclohexane	97
Ethyl Acetate	89
Heptane	108
Hexane	101
Methyl tert-butyl ether	88
Propylbenzene	82

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	98	70-130

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Page 1 of 1

Project Manager: Riz SARMIENTO
Collected by: (Print and Sign) ROGERIO LEONG
Company: ITSI Email: rsarmiento@itsi.com
Address: 2730 Shadelands, Drive Suite 100 City: Walnut Creek State: CA Zip: 94598
Phone: (925) 946 3100 Fax: (925) 256 8998

Project Info:
P.O. #:
Project #: 14555
Project Name: CTS Printex

Turn Around Time: ☒ Normal ☐ Rush _____ specify

Circle Reporting Units: ppbv ppmv (ug/m3) mg/m3

Lab I.D.	Field Sample I.D. (Location)	Tube # / Cartridge #	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	10050		8/21/2010 8/28/2010	10:38	10:49			Mod. TO-17 Passive RAD ~~145~~ 130
	10049		8/21/2010 8/28/2010	10:42	10:47			Mod. TO-17 Passive Rad ~~141~~ 130
	10051		8/21/2010 8/28/2010	11:11	10:54			Mod. TO-17 Passive Rad ~~142~~ 130
	10052		8/21/2010 8/28/2010	11:25	11:07			Mod. TO-17 Passive Rad ~~144~~ 130
	10053		8/21/2010 8/28/2010	11:25	11:07			Mod. TO-17 Passive Rad ~~142~~ 130
	10054		8/21/2010 8/28/2010	11:35	11:04			Mod. TO-17 Passive Rad ~~144~~ 130
	10055		8/21/2010 8/28/2010	12:12	11:17			Mod. TO-17 Passive Rad ~~143~~ 130
	10056		8/21/2010 8/28/2010	12:10	11:18			Mod. TO-17 Passive Rad ~~145~~ 130
	10057		8/21/2010 8/28/2010	12:15	11:20			Mod. TO-17 Passive Rad ~~141~~ 130

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Rogerio Leong	08/28/2010/1200	FEDEX Pangisto Office Nov	08/28/10/1200
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

TRK# 8681 7006 4296

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:
Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
					Yes No None	1008686

Revised COC Received ATL 8/31/10

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Page 1 of 1

Project Manager: Riz SARMIENTO
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Phone: (925) 946 3100 Fax: (925) 256 8998

Project Info:
P.O. #:
Project #: 14555
Project Name: CTS Printex

Turn Around Time: ☒ Normal ☐ Rush _____ specify

Circle Reporting Units: ppbv ppmv (ug/m³) mg/m³

Lab I.D.	Field Sample I.D. (Location)	Tube # / Cartridge #	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
01A	10050		8/21/2010 8/28/2010	10:38	10:49			Mod. TO-17 Passive RAD 145
02A	10049		8/21/2010 8/28/2010	10:42	10:47			Mod. TO-17 Passive Rad 145
03A	10051		8/21/2010 8/28/2010	11:11	10:54			Mod. TO-17 Passive Rad 145
04A	10052		8/21/2010 8/28/2010	11:25	11:07			Mod TO-17 Passive Rad 145
05A	10053		8/21/2010 8/28/2010	11:25	11:07			Mod. TO-17 Passive Rad 145
06A	10054		8/21/2010 8/28/2010	11:35	11:04			Mod. TO-17 Passive Rad 145
07A	10055		8/21/2010 8/28/2010	12:12	11:17			Mod TO-17 Passive Rad 145
08A	10056		8/21/2010 8/28/2010	12:10	11:18			Mod TO-17 Passive Rad 145
09A	10057		8/21/2010 8/28/2010	12:15	11:20			Mod TO-17 Passive Rad 145

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Rogerio Leong	08/28/2010/1200	FEDEX Rangsdorff Office Max	08/28/10/1200 TRK #8581 7806 4796
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
		Brian Whittaker ATL	8/30/10 900
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:
Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FEDEX	8581 7806 4796	16°C	SEE DISC.	Yes No (None)	1008686

APPENDIX E

DATA VALIDATION AND ASSESSMENT REPORTS
(March and June 2010)

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Data Assessment Report
CTS Printex Superfund Site, Mountain View, California
Liberty SDG Nos. 1001057, 1001100 and 1001105
2009 Sampling Dates: January 12-15 and January 18-20

DATE: February 22, 2010
PROJECT: Contract EP-S9-08-03, Task Order 0033; ITSI Project No. 07163.0034

For this task, 41 groundwater samples were collected on January 12, 13, 14, 15, 18, 19 and 20, 2010.

No sample receipt issues were reported by the analytical laboratory, Liberty Analytical Corporation of Cary, North Carolina. Therefore it is presumed that the samples arrived intact and at temperatures within acceptable range.

Level III validation of the submitted data package was performed by the Innovative Technical Solutions, Inc. (ITSI) Project Chemist according to the following guidelines:

> *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, June 2008;
> *USEPA Contract Laboratory Program Statement of Work for Organic Analysis, Multi-Media, Multi-Concentration, S0M01.1 May 2005, Modifications Updating, SOM01.1 to SOM01.2, October, 2006 (Updated 02-12-2007) Amended 04-11-2007*
> *Final Quality Assurance Project Plan (QAPP), CTS Printex Superfund Site, Mountain View, California, (ITIS, January 2010)*

The data were reviewed for holding times, blanks, deuterated monitoring compound (DMC) recoveries, matrix spike (MS)/matrix spike duplicate (MSD) recoveries and relative percent differences (RPD), and field QC Samples. In addition, the sample results, target compound lists, and detection limits were reviewed to verify that project analytical requirements were met.

The following table presents the field sample identification (ID), the corresponding laboratory sample ID, and the Contract Laboratory Program (CLP) method requested for each sample.

Table 1 Method and Sample ID Cross Reference

Field Sample ID	Type	Laboratory Sample ID	Requested Test Methods	
Y5QA2	GW	1001057-01	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QA3	GW	1001057-02	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QA4	GW	1001057-03	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QA5	GW	1001057-04	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QA6 (TB)	TB	1001057-05	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL

Field Sample ID	Type	Laboratory Sample ID	Requested Test Methods	
Y5QA7	GW	1001057-06	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QA8	FD of Y5QA7	1001057-07	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QA9	GW	1001057-10	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QB0 (TB)	TB	1001057-11	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QB1	GW	1001057-12	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QB2	GW	1001057-13	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QB3	GW	1001057-14	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QB4	GW	1001057-15	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QB5	GW	1001057-16	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QB6	GW	1001057-17	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QB7	GW	1001057-18	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QB8	GW	1001057-19	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QB9 (TB)	TB	1001100-01	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QC0	GW	1001100-02	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QC1	GW	1001100-03	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QC2	GW	1001100-04	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QC3	GW	1001100-05	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QC4	FD of Y5QC3	1001100-06	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QC5	GW	1001100-07	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QC6	GW	1001100-08	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QC7	GW	1001100-09	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QC8 (TB)	TB	1001100-10	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QC9	GW	1001100-11	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QD0	GW	1001100-12	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QD1	GW	1001100-13	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QD2	GW	1001100-14	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QD3	GW	1001100-15	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QD4	GW	1001100-16	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QD5	GW	1001100-17	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QD6	FD of Y5QD5	1001100-18	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QD7	GW	1001100-19	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QD8 (TB)	TB	1001105-01	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QD9	GW	1001105-02	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QE0	GW	1001105-03	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL

Data Assessment Report
CTS Printex Superfund Site, Mountain View, California
Liberty SDG Nos. 1001057, 1001100 and 1001105
2009 Sampling Dates: January 12-15 and January 18-20

Field Sample ID	Type	Laboratory Sample ID	Requested Test Methods	
Y5QE1	GW	1001105-04	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QE2	FD of Y5QE1	1001105-05	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QE3	GW	1001105-06	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QE4	GW	1001105-07	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QE5	GW	1001105-08	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QE6 (TB)	GW	1001105-11	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QE7	GW	1001105-12	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QE8	GW	1001105-13	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QE9	GW	1001105-14	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QF0 (TB)	TB	1001105-15	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL
Y5QF1	GW	1001105-16	SOM01.2 TVOL;	VC by SOM01.2 SIMVOL

GW = Groundwater
FD = Field Duplicate
SIM = Selected Ion Monitoring
TB = Trip Blank
VC = Vinyl Chloride
VOL = Volatiles

GENERAL COMMENTS:

Documentation that sample custody was maintained is kept by the CLP laboratory performing the analyses; reports concerning sample receipt or sample custody are issued only when anomalies are observed. No anomalies were reported by the CLP laboratory.

The following paragraphs highlight the essential findings of the data validation effort.

VOLATILE ORGANIC COMPOUNDS (VOCs) and Vinyl Chloride Selected Ion Monitoring (SIM) by GC/MS CLP Method SOM01.2

The results for some of the VOC data were rejected due to the reporting of two sets of results for one sample. As discussed in the Sections A and J below, the results were reduced to one result per analyte by determining the more technically valid data. The rejected data do not affect the completeness of the data set. Some data were rejected due to QC anomalies as discussed in Sections G and H below and should not be used for decision making purposes. Once a result has been rejected, no further qualification of the data is required if other QC criteria are not met. Other data that have been qualified as estimated or non-detect at the reporting limit (RL) for various reasons remain usable for their intended purposes. The qualified data are presented in the Qualified Results Table (QRT) as Attachment A of this Data Review Summary Report (DRSR).

A. Holding Times

The technical holding time criteria were met for all project samples.

B. Blanks

Review of the method, trip and storage blank results indicated the following anomalies. The samples and flagged results are summarized in the QRT.

1. SDGs 1001057, 101100 and 101105: Methylene chloride and/or acetone, which are common laboratory contaminants, were detected at a level less than two times (2X) the RL in the trip blanks associated with the samples from SDGs 1001057, 1001100 and 1001105. The associated sample results which were less than the 2X the RL have been qualified as “U” for non-detected at the RL. No qualifiers are required for the non-detect results or the results greater than 2X the RL.
2. SDGs 1001057 and 1001100: Carbon disulfide was detected at a level less than the RL in the trip blanks associated with the samples from SDG 1001057, and cyclohexane was detected at a level less than the RL in the trip blanks associated with samples from SDG 1001100. The associated sample results which were less than the RL have been qualified as “U” for non-detected at the RL. No qualifiers are required for the non-detect results.
3. SDGs 1001057 and SDG 1001100: Acetone and/or methylene chloride, which are common laboratory contaminants were detected in the method blanks associated with several samples from SDGs 1001057 and 1001100. The

associated sample results which were less than two times (2X) the RL have been qualified as "U" for non-detected at the RL. No qualifiers are required for the non-detect results or the result greater than 2X the RL.

4. SDGs 1001057 and 1001100: Carbon disulfide was detected at a level less than the RL in the method blank associated with several samples from SDG 1001057. Cyclohexane was detected at a level less than the RL in the method blank associated several samples from SDG 1001100. The associated sample results which were less than the RL have been qualified as "U" for non-detected at the RL. No qualifiers are required for the non-detect results.

5. SDGs 1001057 and 1001100: Acetone and/or methylene chloride, which are common laboratory contaminants were detected in the storage blanks associated with the samples from SDGs 1001057 and 1001100. The associated sample results which were less than two times (2X) the RL have been qualified as "U" for non-detected at the RL. No qualifiers are required for the non-detect results or the results greater than 2X the RL.

6. SDGs 1001057 and 1001100: Carbon disulfide and toluene were detected at levels less than the RL in the storage blank associated with the samples from SDG 1001057. Cylcohexane was detected at levels less than the RL in the storage blank associated with samples from SDG 1001100. The associated sample results which were less than the RL have been qualified as "U" for non-detected at the RL. No qualifiers are required for the non-detect results.

C. **Deuterated Monitoring Compound (DMC) Recoveries**

DMC recoveries were reviewed against the method criteria. There were no anomalies that required qualification of the data. The results of the DMC for the vinyl chloride-SIM were not included with the data. The data review report did not indicate any anomalies for the DMC for vinyl chloride-SIM.

D. **Internal Standards**

The data review report indicated the following anomaly concerning the internal standard recovery.

1. SDG 1001100: The data review report indicated that the internal standard recovered low in sample Y5QC5. This result has been previous qualified as "R" as discussed in Section J.

E. **Laboratory Control Sample (LCS)**

LCSs were not analyzed as stipulated in the QAPP. LCSs are not required by the method.

F. **Matrix Spike (MS) and Matrix Spike Duplicate (MS/MSD)**

Project MS/MSD pairs were analyzed for each analytical batch for the VOC analyses. No MS/MSD results were reported for the vinyl chloride SIM analyses. The recoveries and RPDs of the MS/MSDs were reviewed against the method criteria. The MS/MSD frequency goal of one MS/MSD per 20 samples was met for the VOC analyses but not for the vinyl chloride SIM analyses. There were no anomalies in the VOC MS/MSDs except as noted below.

1. SDG 1001105: The RPD and percent recoveries for toluene were out of the QAPP criteria in the MS/MSD associated with the samples from SDG 1001105. The associate positive results have been flagged "J" for an estimated value due to MS/MSD recovery and RPD anomalies. Since the MS/MSD recoveries were biased low, the associated non-detect results have been flagged "UJ" for an estimated RL.

G. **Initial Calibrations**

Initial calibration relative response summaries and frequency of analysis were reviewed against method criteria. There were no anomalies except as noted below.

1. SDG 1001105: The relative response factor (RRF) for bromomethane was out of the method criteria of 0.100 at 0.035 in the initial calibration associated with the samples from SDG 1001105. The associate results have been qualified as "R" for rejected.

H. **Continuing Calibration Verification (CCV)**

CCV response summaries and frequency of analysis were reviewed against method criteria. There were no anomalies except as noted below.

1. SDG 1001057 and 1001105: A CCV was not analyzed prior to the analysis of all samples from SDG 1001057, and all samples except Y5QF0 and Y5QF1 from SDG 1001105 as stipulated by the method for VOC-SIM. The associated results have been qualified as "J" for an estimated value or "UJ" for an estimated reporting limit.

I. **Field QC Samples–Field Duplicates**

Field duplicates results are identified in Table 1. The RPD results were reviewed for the positive results. There were no anomalies that required qualification of the data. The field duplicate frequency goal was 10 percent (four field duplicates per 40 field samples) which meets the project goal of 10 percent.

J. **Reporting Limits (RLs) and Quantitation**

The laboratory RLs for VOCs in groundwater met the project-required RLs. There were no quantitation anomalies except as noted below.

1. SDG 1001057, 1001100 and 1001105: Several VOCs were reported at levels between the RL and MDL and have been flagged as estimated, "J". The qualified results are summarized in the QRT.

2. SDG 1001057: The results for 1,1- dichloroethene, 1,1- dichloroethane, cis-1,2-dichloroethene and trichloroethene in the one times (1X) analysis of samples Y5QA7 and Y5QA8 exceeded the highest standard of the calibration curve. The samples were reanalyzed at the proper dilution for these compounds. The results for all analytes from both analyses were reported. The results have been reduced to one result per analyte by determining the more technically valid data.

   Samples Y5QA7 and Y5QA8: The results for all analytes except 1,1-dichloroethene, 1,1- dichloroethane, cis-1,2-dichloroethene and trichloroethene in the 1X analysis of samples Y5QA7 and Y5QA8 were deemed the more technically valid data. The results for the four compounds listed above in the 1X analyses have been qualified as "R" for rejected.

   Sample Y5QA7 DL and Y5QA8 DL: The results for 1,1- dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene and trichloroethene in the dilution analyses of these samples were deemed the more technically valid data. The results for the other compounds in the dilution analyses have been qualified as "R" for rejected.

3. SDG 1001100: Two results were reported for vinyl chloride SIM for samples Y5QC4 and Y5QC5. The results have been reduced to one result per analyte per sample.

   Sample Y5QC5 and Y5QC5 RE: The internal standard recovered low in the original analysis of sample Y5QC5. The sample was re-analyzed with acceptable internal standard recovery. The vinyl chloride SIM result from the re-analysis (Y5QC RE) has been determined to be the more technically valid data. The result from the original analysis has been qualified as "R" for rejected.

   Sample Y5QC4 and Y5QC4 RE: No reason was indicated for the re-analysis of sample Y5QC4. Since the original result, 0.055 micrograms per liter (µg/L) was comparable to the re-analysis result, 0.054 µg/L, the original vinyl chloride SIM result should be used for decision making purposes. The other result has been qualified as "R' for rejected.

4. SDG 1001105: The result for cis-1,2-dichloroethene in the 1X analysis of sample Y5QE9 and the results for cis-1,2-dichloroethene and trichloroethene in the 1X analysis of sample Y5QF1exceeded the highest standard of the calibration curve. The samples were reanalyzed at the proper dilution for these

compounds. The results for both analyses were reported. The results have been reduced to one result per analyte by determining the more technically valid data. Bromomethane has been previous qualified as "R" rejected, as discussed in Section G, in all samples.

SamplesY5QF1 and Y5QE9 (1X analysis): The results for all analytes except cis-1,2-dichloroethene in sample Y5QE9 and cis-1,2-dichloroethene and trichloroethene in sample Y5QF1 in the 1X analyses of these samples were deemed the more technically valid data. The results for cis-1,2-dichloroethene in sample Y5QE9 and cis-1,2-dichloroethene and trichloroethene in sample Y5QF1 in the 1X analyses have been qualified as "R" for rejected

Y5QE9 DL and Y5QF1 DL (dilution analyses): The results for cis-1,2-dichloroethene and/or trichloroethene in the dilution analyses were deemed the more technically valid data. The results for the other compounds in the dilution analyses have been qualified "R" for rejected.

SUMMARY

There were 222 rejected field sample results. Of the rejected results, 204 were rejected due to more technically valid data available. These rejected results do no affect the completeness of the data set. A total of 18 results out of 2,080 primary results (52 results per 40 field samples) were rejected due to QC issues and should not be used for decision making purposes. The completeness of the data set is 99 percent, which meets and exceeds the completeness goal of 90 percent.. A total of 116 results were qualified as estimated, "J" and 89 results were qualified as non-detect, "U", at the RL.

USABILITY

The rejected results should not be used for decision making purposes. The other data as qualified are considered valid and usable for project purposes.

RECOMMENDATION

None.

Appendix A – Qualified Results Table

APPENDIX A

QUALIFIED RESULTS TABLE

Qualified Results Table
CTS Printex
January 2010 Sampling

SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
1001057	1001057-01	Y5QA2	1/12/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.15 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-02	Y5QA3	1/12/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.16 JB	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-03	Y5QA4	1/12/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.15 JB	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-04	Y5QA5	1/12/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.16 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-06	Y5QA7	1/12/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.15 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-07	Y5QA8	1/12/2010	GW-FD	SOM01.2 TVOL	Carbon Disulfide	0.14 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-10	Y5QA9	1/13/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.15 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-12	Y5QB1	1/13/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.16 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-13	Y5QB2	1/13/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.19 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-14	Y5QB3	1/13/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.19 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-15	Y5QB4	1/13/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.15 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-16	Y5QB5	1/13/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.15 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-17	Y5QB6	1/13/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.16 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-18	Y5QB7	1/13/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.16 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-19	Y5QB8	1/13/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	0.28 J	U	0.50 U	0.04	0.5	ug/L	TB; MB; SB
1001057	1001057-01	Y5QA2	1/12/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.34 J	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-02	Y5QA3	1/12/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.52	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-03	Y5QA4	1/12/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.47 J	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-04	Y5QA5	1/12/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.44 J	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-06	Y5QA7	1/12/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.68	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-07	Y5QA8	1/12/2010	GW-FD	SOM01.2 TVOL	Methylene chloride	0.58	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-10	Y5QA9	1/13/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.66	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-12	Y5QB1	1/13/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.78	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-13	Y5QB2	1/13/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.59	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-14	Y5QB3	1/13/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.8	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-15	Y5QB4	1/13/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.73	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-16	Y5QB5	1/13/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.75	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-17	Y5QB6	1/13/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.63	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-18	Y5QB7	1/13/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.46 J	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-19	Y5QB8	1/13/2010	GW-N	SOM01.2 TVOL	Methylene chloride	0.53	U	0.50 U	0.21	0.5	ug/L	TB
1001057	1001057-07	Y5QA8	1/12/2010	GW-FD	SOM01.2 TVOL	Acetone	2.1 JB	U	5.0 U	0.27	5	ug/L	MB; SB
1001057	1001057-10	Y5QA9	1/13/2010	GW-N	SOM01.2 TVOL	Acetone	1.8 JB	U	5.0 U	0.27	5	ug/L	MB; SB; TB
1001057	1001057-12	Y5QB1	1/13/2010	GW-N	SOM01.2 TVOL	Acetone	2.5 JB	U	5.0 U	0.27	5	ug/L	MB; SB; TB
1001057	1001057-13	Y5QB2	1/13/2010	GW-N	SOM01.2 TVOL	Acetone	3.3 JB	U	5.0 U	0.27	5	ug/L	MB; SB; TB
1001057	1001057-14	Y5QB3	1/13/2010	GW-N	SOM01.2 TVOL	Acetone	3.2 JB	U	5.0 U	0.27	5	ug/L	MB; SB; TB
1001057	1001057-15	Y5QB4	1/13/2010	GW-N	SOM01.2 TVOL	Acetone	3 JB	U	5.0 U	0.27	5	ug/L	MB; SB; TB
1001057	1001057-16	Y5QB5	1/13/2010	GW-N	SOM01.2 TVOL	Acetone	2.3 JB	U	5.0 U	0.27	5	ug/L	MB; SB; TB
1001057	1001057-19	Y5QB8	1/13/2010	GW-N	SOM01.2 TVOL	Acetone	2.3 JB	U	5.0 U	0.27	5	ug/L	MB; SB; TB

Qualified Results Table
CTS Printex
January 2010 Sampling

SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
1001057	1001057-06	Y5QA7	1/12/2010	GW-N	SOM01.2 TVOL	1,1-Dichloroethane	27 E	R	27 R	0.04	0.5	ug/L	MTVDA
1001057	1001057-06	Y5QA7	1/12/2010	GW-N	SOM01.2 TVOL	1,1-Dichloroethene	24 E	R	24 R	0.07	0.5	ug/L	MTVDA
1001057	1001057-06	Y5QA7	1/12/2010	GW-N	SOM01.2 TVOL	Trichloroethene	64 E	R	64 R	0.05	0.5	ug/L	MTVDA
1001057	1001057-06	Y5QA7	1/12/2010	GW-N	SOM01.2 TVOL	cis-1,2-Dichloroethene	230 E	R	230 R	0.09	0.5	ug/L	MTVDA
1001057	1001057-07	Y5QA8	1/12/2010	GW-FD	SOM01.2 TVOL	1,1-Dichloroethane	26 E	R	26 R	0.04	0.5	ug/L	MTVDA
1001057	1001057-07	Y5QA8	1/12/2010	GW-FD	SOM01.2 TVOL	1,1-Dichloroethene	23 E	R	23 R	0.07	0.5	ug/L	MTVDA
1001057	1001057-07	Y5QA8	1/12/2010	GW-FD	SOM01.2 TVOL	cis-1,2-Dichloroethene	230 E	R	230 R	0.09	0.5	ug/L	MTVDA
1001057	1001057-07	Y5QA8	1/12/2010	GW-FD	SOM01.2 TVOL	Trichloroethene	65 E	R	65 R	0.05	0.5	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Dichlorodifluoromethane	13 U	R	13 R	0.75	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Chloromethane	13 U	R	13 R	2.8	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Vinyl chloride	13 U	R	13 R	1.5	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Bromomethane	13 U	R	13 R	3.5	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Chloroethane	13 U	R	13 R	3.5	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Trichlorofluoromethane	13 U	R	13 R	1.5	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane	13 U	R	13 R	1	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Acetone	130 U	R	130 R	6.8	130	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Carbon Disulfide	4 JBD	R	4 R	1	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Methyl acetate	13 U	R	13 R	2.8	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Methylene chloride	13 U	R	13 R	5.3	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	trans-1,2-Dichloroethene	10 JD	R	10 R	1.3	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Methyl tert-butyl ether	13 U	R	13 R	9.3	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	2-Butanone	130 U	R	130 R	25	130	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Bromochloromethane	13 U	R	13 R	1.5	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Chloroform	13 U	R	13 R	1	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,1,1-Trichloroethane	13 U	R	13 R	0.75	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Cyclohexane	13 U	R	13 R	1.5	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Carbon tetrachloride	13 U	R	13 R	0.75	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Benzene	13 U	R	13 R	1	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,2-Dichloroethane	13 U	R	13 R	2.3	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Methylcyclohexane	13 U	R	13 R	1	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,2-Dichloropropane	13 U	R	13 R	2	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Bromodichloromethane	13 U	R	13 R	1	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	cis-1,3-Dichloropropene	13 U	R	13 R	2.8	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	4-Methyl-2-pentanone	130 U	R	130 R	8.3	130	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Toluene	13 U	R	13 R	0.75	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	trans-1,3-Dichloropropene	13 U	R	13 R	3	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,1,2-Trichloroethane	13 U	R	13 R	2	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Tetrachloroethene	13 U	R	13 R	0.75	13	ug/L	MTVDA

Qualified Results Table
CTS Printex
January 2010 Sampling

SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	2-Hexanone	130 U	R	130 R	25	130	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Dibromochloromethane	13 U	R	13 R	1.3	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,2-Dibromoethane	13 U	R	13 R	1.3	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Chlorobenzene	13 U	R	13 R	0.75	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Ethylbenzene	13 U	R	13 R	0.75	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	o-Xylene	13 U	R	13 R	0.75	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	m,p-Xylene	13 U	R	13 R	0.75	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Styrene	13 U	R	13 R	0.75	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Bromoform	13 U	R	13 R	1.5	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	Isopropylbenzene	13 U	R	13 R	0.5	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	13 U	R	13 R	1.5	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,3-Dichlorobenzene	13 U	R	13 R	1	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,4-Dichlorobenzene	13 U	R	13 R	0.5	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,2-Dichlorobenzene	13 U	R	13 R	0.75	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,2-Dibromo-3-chloropropane	13 U	R	13 R	3.3	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,2,4-Trichlorobenzene	13 U	R	13 R	2	13	ug/L	MTVDA
1001057	1001057-06RE1	Y5QA7DL	1/12/2010	GW-N	SOM01.2 TVOL	1,2,3-Trichlorobenzene	13 U	R	13 R	1.8	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Dichlorodifluoromethane	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Chloromethane	13 U	R	13 UR	2.8	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Vinyl chloride	13 U	R	13 UR	1.5	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Bromomethane	13 U	R	13 UR	3.5	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Chloroethane	13 U	R	13 UR	3.5	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Trichlorofluoromethane	13 U	R	13 UR	1.5	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane	13 U	R	13 UR	1	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Acetone	130 U	R	130 UR	6.8	130	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Carbon Disulfide	4.3 JBD	R	4.3 R	1	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Methyl acetate	13 U	R	13 UR	2.8	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Methylene chloride	13 U	R	13 UR	5.3	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	trans-1,2-Dichloroethene	11 JD	R	11 R	1.3	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Methyl tert-butyl ether	13 U	R	13 UR	9.3	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	2-Butanone	130 U	R	130 UR	25	130	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Bromochloromethane	13 U	R	13 UR	1.5	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Chloroform	13 U	R	13 UR	1	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,1,1-Trichloroethane	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Cyclohexane	13 U	R	13 UR	1.5	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Carbon tetrachloride	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Benzene	13 U	R	13 UR	1	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,2-Dichloroethane	13 U	R	13 UR	2.3	13	ug/L	MTVDA

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SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Methylcyclohexane	13 U	R	13 UR	1	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,2-Dichloropropane	13 U	R	13 UR	2	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Bromodichloromethane	13 U	R	13 UR	1	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	cis-1,3-Dichloropropene	13 U	R	13 UR	2.8	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	4-Methyl-2-pentanone	130 U	R	130 UR	8.3	130	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Toluene	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	trans-1,3-Dichloropropene	13 U	R	13 UR	3	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,1,2-Trichloroethane	13 U	R	13 UR	2	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Tetrachloroethene	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	2-Hexanone	130 U	R	130 UR	25	130	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Dibromochloromethane	13 U	R	13 UR	1.3	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,2-Dibromoethane	13 U	R	13 UR	1.3	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Chlorobenzene	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Ethylbenzene	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	o-Xylene	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	m,p-Xylene	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Styrene	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Bromoform	13 U	R	13 UR	1.5	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	Isopropylbenzene	13 U	R	13 UR	0.5	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	13 U	R	13 UR	1.5	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,3-Dichlorobenzene	13 U	R	13 UR	1	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,4-Dichlorobenzene	13 U	R	13 UR	0.5	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,2-Dichlorobenzene	13 U	R	13 UR	0.75	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,2-Dibromo-3-chloropropane	13 U	R	13 UR	3.3	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,2,4-Trichlorobenzene	13 U	R	13 UR	2	13	ug/L	MTVDA
1001057	1001057-07RE1	Y5QA8DL	1/12/2010	GW-FD	SOM01.2 TVOL	1,2,3-Trichlorobenzene	13 U	R	13 UR	1.8	13	ug/L	MTVDA
1001057	1001057-01	Y5QA2	1/12/2010	GW-N	SOM01.2 TVOL	Acetone	3.9 J	J	3.9 J	0.27	5	ug/L	SB
1001057	1001057-01	Y5QA2	1/12/2010	GW-N	SOM01.2 TVOL	trans-1,2-Dichloroethene	0.2 J	J	0.2 J	0.05	0.5	ug/L	Result<RL
1001057	1001057-02	Y5QA3	1/12/2010	GW-N	SOM01.2 TVOL	Acetone	3 J	J	3 J	0.27	5	ug/L	SB
1001057	1001057-02	Y5QA3	1/12/2010	GW-N	SOM01.2 TVOL	trans-1,2-Dichloroethene	0.16 J	J	0.16 J	0.05	0.5	ug/L	Result<RL
1001057	1001057-03	Y5QA4	1/12/2010	GW-N	SOM01.2 TVOL	Acetone	3.4 J	J	3.4 J	0.27	5	ug/L	SB
1001057	1001057-03	Y5QA4	1/12/2010	GW-N	SOM01.2 TVOL	trans-1,2-Dichloroethene	0.19 J	J	0.19 J	0.05	0.5	ug/L	Result<RL
1001057	1001057-04	Y5QA5	1/12/2010	GW-N	SOM01.2 TVOL	Acetone	2.4 J	J	2.4 J	0.27	5	ug/L	SB
1001057	1001057-04	Y5QA5	1/12/2010	GW-N	SOM01.2 TVOL	1,1-Dichloroethane	0.19 J	J	0.19 J	0.04	0.5	ug/L	Result<RL
1001057	1001057-04	Y5QA5	1/12/2010	GW-N	SOM01.2 TVOL	1,1,1-Trichloroethane	0.2 J	J	0.2 J	0.03	0.5	ug/L	Result<RL
1001057	1001057-05	Y5QA6	1/12/2010	TB	SOM01.2 TVOL	Methylene chloride	0.35 J	J	0.35 J	0.21	0.5	ug/L	Result<RL
1001057	1001057-10	Y5QA9	1/13/2010	GW-N	SOM01.2 TVOL	trans-1,2-Dichloroethene	0.11 J	J	0.11 J	0.05	0.5	ug/L	Result<RL
1001057	1001057-10	Y5QA9	1/13/2010	GW-N	SOM01.2 TVOL	1,1,1-Trichloroethane	0.45 J	J	0.45 J	0.03	0.5	ug/L	Result<RL

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SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
1001057	1001057-11	Y5QB0	1/13/2010	TB	SOM01.2 TVOL	Methylene chloride	0.4 J	J	0.4 J	0.21	0.5	ug/L	Result<RL
1001057	1001057-12	Y5QB1	1/13/2010	GW-N	SOM01.2 TVOL	1,1-Dichloroethane	0.41 J	J	0.41 J	0.04	0.5	ug/L	Result<RL
1001057	1001057-12	Y5QB1	1/13/2010	GW-N	SOM01.2 TVOL	1,1,1-Trichloroethane	0.054 J	J	0.054 J	0.03	0.5	ug/L	Result<RL
1001057	1001057-13	Y5QB2	1/13/2010	GW-N	SOM01.2 TVOL	1,1-Dichloroethane	0.1 J	J	0.1 J	0.04	0.5	ug/L	Result<RL
1001057	1001057-13	Y5QB2	1/13/2010	GW-N	SOM01.2 TVOL	cis-1,2-Dichloroethene	0.26 J	J	0.26 J	0.09	0.5	ug/L	Result<RL
1001057	1001057-14	Y5QB3	1/13/2010	GW-N	SOM01.2 TVOL	1,1-Dichloroethane	0.13 J	J	0.13 J	0.04	0.5	ug/L	Result<RL
1001057	1001057-15	Y5QB4	1/13/2010	GW-N	SOM01.2 TVOL	1,1-Dichloroethane	0.15 J	J	0.15 J	0.04	0.5	ug/L	Result<RL
1001057	1001057-16	Y5QB5	1/13/2010	GW-N	SOM01.2 TVOL	1,1-Dichloroethane	0.12 J	J	0.12 J	0.04	0.5	ug/L	Result<RL
1001057	1001057-16	Y5QB5	1/13/2010	GW-N	SOM01.2 TVOL	cis-1,2-Dichloroethene	0.12 J	J	0.12 J	0.09	0.5	ug/L	Result<RL
1001057	1001057-01	Y5QA2	1/12/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride	0.096 J	J	0.096 J	0.036	0.1	ug/L	Result<RL
1001057	1001057-02	Y5QA3	1/12/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride	0.095 J	J	0.095 J	0.036	0.1	ug/L	Result<RL
1001057	1001057-03	Y5QA4	1/12/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride	0.095 J	J	0.095 J	0.036	0.1	ug/L	Result<RL
1001057	1001057-10	Y5QA9	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride	0.043 J	J	0.043 J	0.036	0.1	ug/L	Result<RL
1001057	1001057-15	Y5QB4	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride	0.079 J	J	0.079 J	0.036	0.1	ug/L	Result<RL
1001057	1001057-17	Y5QB6	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride	0.039 J	J	0.039 J	0.036	0.1	ug/L	Result<RL
1001057	1001057-19	Y5QB8	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride	0.038 J	J	0.038 J	0.036	0.1	ug/L	Result<RL
1001057	1001057-01	Y5QA2	1/12/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.096 J	J	0.096 J	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-02	Y5QA3	1/12/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.095 J	J	0.095 J	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-03	Y5QA4	1/12/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.095 J	J	0.095 J	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-04	Y5QA5	1/12/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-05	Y5QA6	1/12/2010	TB	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-06	Y5QA7	1/12/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.24	J	0.24 J	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-07	Y5QA8	1/12/2010	GW-FD	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.25	J	0.25 J	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-10	Y5QA9	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.043 J	J	0.043 J	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-11	Y5QB0	1/13/2010	TB	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-12	Y5QB1	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-13	Y5QB2	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-14	Y5QB3	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-15	Y5QB4	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.079 J	J	0.079 J	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-16	Y5QB5	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-17	Y5QB6	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.039 J	J	0.039 J	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-18	Y5QB7	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-19	Y5QB8	1/13/2010	GW-N	SOM01.2 SIMVOL	Vinyl chloride (SIM)	0.038 J	J	0.038 J	0.036	0.1	ug/L	CCV Frequency
1001057	1001057-06	Y5QA7	1/12/2010	GW-N	SOM01.2 TVOL	Toluene	0.068 J	U	0.50 U	0.03	0.5	ug/L	SB
1001057	1001057-07	Y5QA8	1/12/2010	GW-FD	SOM01.2 TVOL	Toluene	0.069 J	U	0.50 U	0.03	0.5	ug/L	SB
1001057	1001057-10	Y5QA9	1/13/2010	GW-N	SOM01.2 TVOL	Toluene	0.045 J	U	0.50 U	0.03	0.5	ug/L	SB
1001057	1001057-12	Y5QB1	1/13/2010	GW-N	SOM01.2 TVOL	Toluene	0.053 J	U	0.50 U	0.03	0.5	ug/L	SB
1001057	1001057-13	Y5QB2	1/13/2010	GW-N	SOM01.2 TVOL	Toluene	0.18 J	U	0.50 U	0.03	0.5	ug/L	SB

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SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
1001057	1001057-14	Y5QB3	1/13/2010	GW-N	SOM01.2 TVOL	Toluene	0.22 J	U	0.50 U	0.03	0.5	ug/L	SB
1001057	1001057-15	Y5QB4	1/13/2010	GW-N	SOM01.2 TVOL	Toluene	0.33 J	U	0.50 U	0.03	0.5	ug/L	SB
1001057	1001057-16	Y5QB5	1/13/2010	GW-N	SOM01.2 TVOL	Toluene	0.069 J	U	0.50 U	0.03	0.5	ug/L	SB
1001057	1001057-17	Y5QB6	1/13/2010	GW-N	SOM01.2 TVOL	Toluene	0.079 J	U	0.50 U	0.03	0.5	ug/L	SB
1001057	1001057-18	Y5QB7	1/13/2010	GW-N	SOM01.2 TVOL	Toluene	0.064 J	U	0.50 U	0.03	0.5	ug/L	SB
1001057	1001057-19	Y5QB8	1/13/2010	GW-N	SOM01.2 TVOL	Toluene	0.25 J	U	0.50 U	0.03	0.5	ug/L	SB

Units: µg/L = micrograms per liter

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
GW	Groundwater	N	Normal Environmental Sample
		FD	Field Duplicate
		TB	Trip Blank

Data Qualifier Definitions

Flag	Description
U	Non-detect
J	Estimated value
R	Rejected value

Reason and Comment Code Definitions

Code	Description
CCV	Continuing calibration verification
MB	Method blank contamination
MDL	Method detection limit
MTVDA	More technically valid data available
%R	Percent recovery
RL	Reporting limit
SB	Storage blank
SDG	Sample delivery group
TB	Trip blank

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SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
Y5QB9	1001100-02	Y5QC0	1/14/2010	N	SOM01.2 TVOL	Acetone	3.8 J	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-03	Y5QC1	1/14/2010	N	SOM01.2 TVOL	Acetone	6 B	U	5.0 U	0.27	5	ug/L	MB; SB:TB
Y5QB9	1001100-05	Y5QC3	1/14/2010	N	SOM01.2 TVOL	Acetone	2.3 J	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-06	Y5QC4	1/14/2010	FD	SOM01.2 TVOL	Acetone	2.6 J	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-07	Y5QC5	1/14/2010	N	SOM01.2 TVOL	Acetone	3.2 J	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-08	Y5QC6	1/14/2010	N	SOM01.2 TVOL	Acetone	3.4 J	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-09	Y5QC7	1/14/2010	N	SOM01.2 TVOL	Acetone	3.1 J	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-11	Y5QC9	1/15/2010	N	SOM01.2 TVOL	Acetone	3 J	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-12	Y5QD0	1/15/2010	N	SOM01.2 TVOL	Acetone	1.8 J	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-13	Y5QD1	1/15/2010	N	SOM01.2 TVOL	Acetone	1.9 J	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-14	Y5QD2	1/15/2010	N	SOM01.2 TVOL	Acetone	2.4 J	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-15	Y5QD3	1/15/2010	N	SOM01.2 TVOL	Acetone	1.8 JB	U	5.0 U	0.27	5	ug/L	MB; SB:TB
Y5QB9	1001100-16	Y5QD4	1/15/2010	N	SOM01.2 TVOL	Acetone	3.5 JB	U	5.0 U	0.27	5	ug/L	MB; SB:TB
Y5QB9	1001100-17	Y5QD5	1/15/2010	N	SOM01.2 TVOL	Acetone	2.9 JB	U	5.0 U	0.27	5	ug/L	MB; SB:TB
Y5QB9	1001100-18	Y5QD6	1/15/2010	FD	SOM01.2 TVOL	Acetone	2.1 JB	U	5.0 U	0.27	5	ug/L	SB; TB
Y5QB9	1001100-19	Y5QD7	1/15/2010	N	SOM01.2 TVOL	Acetone	2.2 JB	U	5.0 U	0.27	5	ug/L	MB; SB:TB
Y5QB9	1001100-02	Y5QC0	1/14/2010	N	SOM01.2 TVOL	Cyclohexane	0.099 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-03	Y5QC1	1/14/2010	N	SOM01.2 TVOL	Cyclohexane	0.15 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-04	Y5QC2	1/14/2010	N	SOM01.2 TVOL	Cyclohexane	0.089 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-05	Y5QC3	1/14/2010	N	SOM01.2 TVOL	Cyclohexane	0.091 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-06	Y5QC4	1/14/2010	FD	SOM01.2 TVOL	Cyclohexane	0.077 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-07	Y5QC5	1/14/2010	N	SOM01.2 TVOL	Cyclohexane	0.068 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-08	Y5QC6	1/14/2010	N	SOM01.2 TVOL	Cyclohexane	0.095 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-09	Y5QC7	1/14/2010	N	SOM01.2 TVOL	Cyclohexane	0.1 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-11	Y5QC9	1/15/2010	N	SOM01.2 TVOL	Cyclohexane	0.1 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-12	Y5QD0	1/15/2010	N	SOM01.2 TVOL	Cyclohexane	0.11 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-13	Y5QD1	1/15/2010	N	SOM01.2 TVOL	Cyclohexane	0.079 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-14	Y5QD2	1/15/2010	N	SOM01.2 TVOL	Cyclohexane	0.094 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-15	Y5QD3	1/15/2010	N	SOM01.2 TVOL	Cyclohexane	0.14 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-16	Y5QD4	1/15/2010	N	SOM01.2 TVOL	Cyclohexane	0.13 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-17	Y5QD5	1/15/2010	N	SOM01.2 TVOL	Cyclohexane	0.12 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-18	Y5QD6	1/15/2010	FD	SOM01.2 TVOL	Cyclohexane	0.1 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-19	Y5QD7	1/15/2010	N	SOM01.2 TVOL	Cyclohexane	0.14 JB	U	0.5 U	0.06	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-02	Y5QC0	1/14/2010	N	SOM01.2 TVOL	Methylene chloride	0.74	U	0.5 U	0.21	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-03	Y5QC1	1/14/2010	N	SOM01.2 TVOL	Methylene chloride	0.49 J	U	0.5 U	0.21	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-17	Y5QD5	1/15/2010	N	SOM01.2 TVOL	Methylene chloride	0.51	U	0.5 U	0.21	0.5	ug/L	MB; SB:TB

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SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
Y5QB9	1001100-18	Y5QD6	1/15/2010	FD	SOM01.2 TVOL	Methylene chloride	0.52	U	0.5 U	0.21	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-19	Y5QD7	1/15/2010	N	SOM01.2 TVOL	Methylene chloride	0.47 J	U	0.5 U	0.21	0.5	ug/L	MB; SB:TB
Y5QB9	1001100-01	Y5QB9	1/15/2010	TB	SOM01.2 TVOL	Toluene	0.033 J	J	0.033 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-02	Y5QC0	1/14/2010	N	SOM01.2 TVOL	Toluene	0.11 J	J	0.11 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-03	Y5QC1	1/14/2010	N	SOM01.2 TVOL	Toluene	0.19 J	J	0.19 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-04	Y5QC2	1/14/2010	N	SOM01.2 TVOL	Toluene	0.072 J	J	0.072 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-05	Y5QC3	1/14/2010	N	SOM01.2 TVOL	Toluene	0.063 J	J	0.063 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-06	Y5QC4	1/14/2010	FD	SOM01.2 TVOL	Toluene	0.057 J	J	0.057 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-07	Y5QC5	1/14/2010	N	SOM01.2 TVOL	Toluene	0.05 J	J	0.05 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-08	Y5QC6	1/14/2010	N	SOM01.2 TVOL	Toluene	0.45 J	J	0.45 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-09	Y5QC7	1/14/2010	N	SOM01.2 TVOL	Toluene	0.057 J	J	0.057 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-11	Y5QC9	1/15/2010	N	SOM01.2 TVOL	Toluene	0.048 J	J	0.048 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-12	Y5QD0	1/15/2010	N	SOM01.2 TVOL	Toluene	0.047 J	J	0.047 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-13	Y5QD1	1/15/2010	N	SOM01.2 TVOL	Toluene	0.052 J	J	0.052 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-14	Y5QD2	1/15/2010	N	SOM01.2 TVOL	Toluene	0.059 J	J	0.059 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-15	Y5QD3	1/15/2010	N	SOM01.2 TVOL	Toluene	0.11 J	J	0.11 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-16	Y5QD4	1/15/2010	N	SOM01.2 TVOL	Toluene	0.11 J	J	0.11 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-17	Y5QD5	1/15/2010	N	SOM01.2 TVOL	Toluene	0.26 J	J	0.26 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-18	Y5QD6	1/15/2010	FD	SOM01.2 TVOL	Toluene	0.17 J	J	0.17 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-19	Y5QD7	1/15/2010	N	SOM01.2 TVOL	Toluene	0.11 J	J	0.11 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-03	Y5QC1	1/14/2010	N	SOM01.2 TVOL	Benzene	0.12 J	J	0.12 J	0.04	0.5	ug/L	Result<RL
Y5QB9	1001100-01	Y5QB9	1/15/2010	TB	SOM01.2 TVOL	Acetone	2.6	J	2.6 J	0.27	5	ug/L	Result<RL
Y5QB9	1001100-01	Y5QB9	1/15/2010	TB	SOM01.2 TVOL	Methylene chloride	0.43	J	0.43 J	0.21	0.5	ug/L	Result<RL
Y5QB9	1001100-02	Y5QC0	1/14/2010	N	SOM01.2 TVOL	Carbon Disulfide	0.083	J	0.083 J	0.04	0.5	ug/L	Result<RL
Y5QB9	1001100-02	Y5QC0	1/14/2010	N	SOM01.2 TVOL	1,1-Dichloroethane	0.18	J	0.18 J	0.04	0.5	ug/L	Result<RL
Y5QB9	1001100-03	Y5QC1	1/14/2010	N	SOM01.2 TVOL	Carbon Disulfide	0.12	J	0.12 J	0.04	0.5	ug/L	Result<RL
Y5QB9	1001100-07	Y5QC5	1/14/2010	N	SOM01.2 TVOL	1,1-Dichloroethane	0.14	J	0.14 J	0.04	0.5	ug/L	Result<RL
Y5QB9	1001100-09	Y5QC7	1/14/2010	N	SOM01.2 TVOL	1,1-Dichloroethane	0.44	J	0.44 J	0.04	0.5	ug/L	Result<RL
Y5QB9	1001100-09	Y5QC7	1/14/2010	N	SOM01.2 TVOL	cis-1,2-Dichloroethene	0.44	J	0.44 J	0.09	0.5	ug/L	Result<RL
Y5QB9	1001100-09	Y5QC7	1/14/2010	N	SOM01.2 TVOL	1,1,1-Trichloroethane	0.15	J	0.15 J	0.03	0.5	ug/L	Result<RL
Y5QB9	1001100-10	Y5QC8	1/15/2010	TB	SOM01.2 TVOL	Acetone	2.4	J	2.4 J	0.27	5	ug/L	Result<RL
Y5QB9	1001100-12	Y5QD0	1/15/2010	N	SOM01.2 TVOL	cis-1,2-Dichloroethene	0.31	J	0.31 J	0.09	0.5	ug/L	Result<RL
Y5QB9	1001100-15	Y5QD3	1/15/2010	N	SOM01.2 TVOL	Carbon Disulfide	0.054	J	0.054 J	0.04	0.5	ug/L	Result<RL
Y5QB9	1001100-16	Y5QD4	1/15/2010	N	SOM01.2 TVOL	Carbon Disulfide	0.046	J	0.046 J	0.04	0.5	ug/L	Result<RL
Y5QB9	1001100-19	Y5QD7	1/15/2010	N	SOM01.2 TVOL	Carbon Disulfide	0.078	J	0.078 J	0.04	0.5	ug/L	Result<RL
Y5QB9	1001100-01	Y5QB9	1/15/2010	TB	SOM01.2 TVOL	Cyclohexane	0.11	J	0.11 J	0.06	0.5	ug/L	Result<RL

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SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
Y5QB9	1001100-10	Y5QC8	1/15/2010	TB	SOM01.2 TVOL	Cyclohexane	0.089	J	0.089 J	0.06	0.5	ug/L	Result<RL
Y5QB9	1001100-02	Y5QC0	1/14/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.048 J	J	0.048 J	0.036	0.1	ug/L	Result<RL
Y5QB9	1001100-06	Y5QC4	1/14/2010	FD	SOM01.2 SIMVOL	Vinyl chloride	0.055 J	J	0.055 J	0.036	0.1	ug/L	Result<RL
Y5QB9	1001100-07	Y5QC5	1/14/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.1 U	R	0.1 UR	0.036	0.1	ug/L	MTVDA
Y5QB9	1001100-11	Y5QC9	1/15/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.065 J	J	0.065 J	0.036	0.1	ug/L	Result<RL
Y5QB9	1001100-12	Y5QD0	1/15/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.041 J	J	0.041 J	0.036	0.1	ug/L	Result<RL
Y5QB9	1001100-06RE1	Y5QC4RE	1/14/2010	FD	SOM01.2 SIMVOL	Vinyl chloride	0.054 J	R	0.054 R	0.036	0.1	ug/L	MTVDA
Y5QB9	1001100-07RE1	Y5QC5RE	1/14/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.037 J	J	0.037 J	0.036	0.1	ug/L	Result<RL

Units: µg/L = micrograms per liter

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
GW	Groundwater	N	Normal Environmental Sample
		FD	Field Duplicate
		TB	Trip Blank

Data Qualifier Definitions

Flag	Description
U	Non-detect
J	Estimated value
R	Rejected value

Reason and Comment Code Definitions

Code	Description
MB	Method blank contamination
MTVDA	More technically valid data available
%R	Percent recovery
RL	Reporting limit
SB	Storage blank
SDG	Sample delivery group
TB	Trip blank

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SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
Y5QD8	1001105-07	Y5QE4	1/18/2010	N	SOM01.2 TVOL	Acetone	1.6 J	U	5.0 U	0.27	5	ug/L	TB
Y5QD8	1001105-08	Y5QE5	1/18/2010	N	SOM01.2 TVOL	Acetone	1.8 J	U	5.0 U	0.27	5	ug/L	TB
Y5QD8	1001105-01	Y5QD8	1/18/2010	TB	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-02	Y5QD9	1/18/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-03	Y5QE0	1/18/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-04	Y5QE1	1/18/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-05	Y5QE2	1/18/2010	FD	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-06	Y5QE3	1/18/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-07	Y5QE4	1/18/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-08	Y5QE5	1/18/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-11	Y5QE6	1/19/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-12	Y5QE7	1/19/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-13	Y5QE8	1/19/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-14	Y5QE9	1/19/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-15	Y5QF0	1/20/2010	TB	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-16	Y5QF1	1/20/2010	N	SOM01.2 TVOL	Bromomethane	0.5 U	R	0.5 UR	0.14	0.5	ug/L	ICAL RRF
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Bromomethane	1.3 U	R	1.3 UR	0.35	1.3	ug/L	ICAL RRF
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Bromomethane	4.2 U	R	4.2 UR	1.2	4.2	ug/L	ICAL RRF
Y5QD8	1001105-14	Y5QE9	1/19/2010	N	SOM01.2 TVOL	cis-1,2-Dichloroethene	35 E	R	35 R	0.09	0.5	ug/L	MTVDA
Y5QD8	1001105-16	Y5QF1	1/20/2010	N	SOM01.2 TVOL	cis-1,2-Dichloroethene	70 E	R	70 R	0.09	0.5	ug/L	MTVDA
Y5QD8	1001105-16	Y5QF1	1/20/2010	N	SOM01.2 TVOL	Trichloroethene	37 E	R	37 R	0.05	0.5	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Dichlorodifluoromethane	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Chloromethane	1.3 U	R	1.3 UR	0.28	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Vinyl chloride	1.3 U	R	1.3 UR	0.15	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Bromomethane	1.3 U	R	1.3 UR	0.35	1.3	ug/L	ICAL RRF
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Chloroethane	1.3 U	R	1.3 UR	0.35	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Trichlorofluoromethane	1.3 U	R	1.3 UR	0.15	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,1-Dichloroethene	3.9	R	3.9 R	0.18	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3 U	R	1.3 UR	0.1	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Acetone	2.4 JD	R	2.4 R	0.68	13	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Carbon Disulfide	1.3 U	R	1.3 UR	0.1	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Methyl acetate	1.3 U	R	1.3 UR	0.28	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Methylene chloride	1.3 U	R	1.3 UR	0.53	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	trans-1,2-Dichloroethene	1.3 UJ	R	1.3 UR	0.13	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Methyl tert-butyl ether	1.3 U	R	1.3 UR	0.93	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,1-Dichloroethane	6 D	R	6 R	0.1	1.3	ug/L	MTVDA

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SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	2-Butanone	13 U	R	13 UR	2.5	13	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Bromochloromethane	1.3 U	R	1.3 UR	0.15	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Chloroform	1.3 U	R	1.3 UR	0.1	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,1,1-Trichloroethane	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Cyclohexane	1.3 U	R	1.3 UR	0.15	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Carbon tetrachloride	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Benzene	1.3 U	R	1.3 UR	0.1	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,2-Dichloroethane	1.3 U	R	1.3 UR	0.23	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Trichloroethene	11 D	R	11 R	0.13	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Methylcyclohexane	1.3 U	R	1.3 UR	0.1	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,2-Dichloropropane	1.3 U	R	1.3 UR	0.2	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Bromodichloromethane	1.3 U	R	1.3 UR	0.1	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	cis-1,3-Dichloropropene	1.3 U	R	1.3 UR	0.28	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	4-Methyl-2-pentanone	13 U	R	13 UR	0.83	13	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Toluene	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	1.3 U	R	1.3 UR	0.3	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,1,2-Trichloroethane	1.3 U	R	1.3 UR	0.2	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Tetrachloroethene	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	2-Hexanone	13 U	R	13 UR	2.5	13	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Dibromochloromethane	1.3 U	R	1.3 UR	0.13	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,2-Dibromoethane	1.3 U	R	1.3 UR	0.13	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Chlorobenzene	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Ethylbenzene	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	o-Xylene	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	m,p-Xylene	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Styrene	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Bromoform	1.3 U	R	1.3 UR	0.15	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	Isopropylbenzene	1.3 U	R	1.3 UR	0.05	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	1.3 U	R	1.3 UR	0.15	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,3-Dichlorobenzene	1.3 U	R	1.3 UR	0.1	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,4-Dichlorobenzene	1.3 U	R	1.3 UR	0.05	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,2-Dichlorobenzene	1.3 U	R	1.3 UR	0.075	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,2-Dibromo-3-chloropropane	1.3 U	R	1.3 UR	0.33	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,2,4-Trichlorobenzene	1.3 U	R	1.3 UR	0.2	1.3	ug/L	MTVDA
Y5QD8	1001105-14RE1	Y5QE9DL	1/19/2010	N	SOM01.2 TVOL	1,2,3-Trichlorobenzene	1.3 U	R	1.3 UR	0.18	1.3	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Dichlorodifluoromethane	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA

Qualified Results Table
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SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Chloromethane	4.2 U	R	4.2 UR	0.92	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Vinyl chloride	4.2 U	R	4.2 UR	0.5	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Bromomethane	4.2 U	R	4.2 UR	1.2	4.2	ug/L	ICAL RRF
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Chloroethane	4.2 U	R	4.2 UR	1.2	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Trichlorofluoromethane	4.2 U	R	4.2 UR	0.5	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,1-Dichloroethene	7.5 D	R	7.5 R	0.58	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane	4.2 U	R	4.2 UR	0.33	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Acetone	42 U	R	42 UR	2.2	42	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Carbon Disulfide	4.2 U	R	4.2 UR	0.33	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Methyl acetate	4.2 U	R	4.2 UR	0.92	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Methylene chloride	4.2 U	R	4.2 UR	1.7	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	trans-1,2-Dichloroethene	9.7 D	R	9.7 R	0.42	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Methyl tert-butyl ether	4.2 U	R	4.2 UR	0.33	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,1-Dichloroethane	10 D	R	10 R	0.33	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	2-Butanone	42 U	R	42 UR	8.3	42	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Bromochloromethane	4.2 U	R	4.2 UR	0.5	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Chloroform	4.2 U	R	4.2 UR	0.33	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,1,1-Trichloroethane	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Cyclohexane	4.2 U	R	4.2 UR	0.5	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Carbon tetrachloride	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Benzene	4.2 U	R	4.2 UR	0.33	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,2-Dichloroethane	4.2 U	R	4.2 UR	0.75	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Methylcyclohexane	4.2 U	R	4.2 UR	0.33	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,2-Dichloropropane	4.2 U	R	4.2 UR	0.67	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Bromodichloromethane	4.2 U	R	4.2 UR	0.33	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	cis-1,3-Dichloropropene	4.2 U	R	4.2 UR	0.92	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	4-Methyl-2-pentanone	42 U	R	42 UR	2.7	42	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Toluene	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	4.2 U	R	4.2 UR	1	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,1,2-Trichloroethane	4.2 U	R	4.2 UR	0.67	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Tetrachloroethene	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	2-Hexanone	42 U	R	42 UR	8.3	42	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Dibromochloromethane	4.2 U	R	4.2 UR	0.42	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,2-Dibromoethane	4.2 U	R	4.2 UR	0.42	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Chlorobenzene	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Ethylbenzene	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	o-Xylene	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA

Qualified Results Table
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January 2010 Sampling

SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	m,p-Xylene	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Styrene	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Bromoform	4.2 U	R	4.2 UR	0.5	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Isopropylbenzene	4.2 U	R	4.2 UR	0.17	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	4.2 U	R	4.2 UR	0.5	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,3-Dichlorobenzene	4.2 U	R	4.2 UR	0.33	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,4-Dichlorobenzene	4.2 U	R	4.2 UR	0.17	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,2-Dichlorobenzene	4.2 U	R	4.2 UR	0.25	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,2-Dibromo-3-chloropropane	4.2 U	R	4.2 UR	1.1	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,2,4-Trichlorobenzene	4.2 U	R	4.2 UR	0.67	4.2	ug/L	MTVDA
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	1,2,3-Trichlorobenzene	4.2 U	R	4.2 UR	0.58	4.2	ug/L	MTVDA
Y5QD8	1001105-01	Y5QD8	1/18/2010	TB	SOM01.2 TVOL	Trichloroethene	0.5 U	J	0.5 UJ	0.05	0.5	ug/L	MS/MSD %R
Y5QD8	1001105-02	Y5QD9	1/18/2010	N	SOM01.2 TVOL	Trichloroethene	7.3	J	7.3 J	0.05	0.5	ug/L	MS/MSD %R; RPD
Y5QD8	1001105-03	Y5QE0	1/18/2010	N	SOM01.2 TVOL	Trichloroethene	7.9	J	7.9 J	0.05	0.5	ug/L	MS/MSD %R; RPD
Y5QD8	1001105-04	Y5QE1	1/18/2010	N	SOM01.2 TVOL	Trichloroethene	0.51	J	0.51 J	0.05	0.5	ug/L	MS/MSD %R; RPD
Y5QD8	1001105-05	Y5QE2	1/18/2010	FD	SOM01.2 TVOL	Trichloroethene	0.48 J	J	0.48 J	0.05	0.5	ug/L	MS/MSD %R; RPD
Y5QD8	1001105-06	Y5QE3	1/18/2010	N	SOM01.2 TVOL	Trichloroethene	19	J	19 J	0.05	0.5	ug/L	MS/MSD %R; RPD
Y5QD8	1001105-07	Y5QE4	1/18/2010	N	SOM01.2 TVOL	Trichloroethene	20	J	20 J	0.05	0.5	ug/L	MS/MSD %R; RPD
Y5QD8	1001105-08	Y5QE5	1/18/2010	N	SOM01.2 TVOL	Trichloroethene	19	J	19 J	0.05	0.5	ug/L	MS/MSD %R; RPD
Y5QD8	1001105-11	Y5QE6	1/19/2010	N	SOM01.2 TVOL	Trichloroethene	0.5 U	J	0.5 UJ	0.05	0.5	ug/L	MS/MSD %R
Y5QD8	1001105-12	Y5QE7	1/19/2010	N	SOM01.2 TVOL	Trichloroethene	0.5 U	J	0.5 UJ	0.05	0.5	ug/L	MS/MSD %R
Y5QD8	1001105-13	Y5QE8	1/19/2010	N	SOM01.2 TVOL	Trichloroethene	16	J	16J	0.05	0.5	ug/L	MS/MSD %R; RPD
Y5QD8	1001105-14	Y5QE9	1/19/2010	N	SOM01.2 TVOL	Trichloroethene	9.7	J	9.7J	0.05	0.5	ug/L	MS/MSD %R; RPD
Y5QD8	1001105-15	Y5QF0	1/20/2010	TB	SOM01.2 TVOL	Trichloroethene	0.5 U	J	0.5 UJ	0.05	0.5	ug/L	MS/MSD %R
Y5QD8	1001105-16RE1	Y5QF1DL	1/20/2010	N	SOM01.2 TVOL	Trichloroethene	53 D	J	53 J	0.42	4.2	ug/L	MS/MSD %R; RPD
Y5QD8	1001105-01	Y5QD8	1/18/2010	TB	SOM01.2 TVOL	Acetone	1.1 J	J	1.1 J	0.27	5	ug/L	Result<RL
Y5QD8	1001105-03	Y5QE0	1/18/2010	N	SOM01.2 TVOL	1,1,1-Trichloroethane	0.12 J	J	0.12 J	0.03	0.5	ug/L	Result<RL
Y5QD8	1001105-07	Y5QE4	1/18/2010	N	SOM01.2 TVOL	Toluene	0.065 J	J	0.065 J	0.03	0.5	ug/L	Result<RL
Y5QD8	1001105-16	Y5QF1	1/20/2010	N	SOM01.2 TVOL	Acetone	1.1 J	J	1.1 J	0.27	5	ug/L	Result<RL
Y5QD8	1001105-16	Y5QF1	1/20/2010	N	SOM01.2 TVOL	1,1,1-Trichloroethane	0.17 J	J	0.17 J	0.03	0.5	ug/L	Result<RL
Y5QD8	1001105-01	Y5QD8	1/18/2010	TB	SOM01.2 SIMVOL	Vinyl chloride	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
Y5QD8	1001105-02	Y5QD9	1/18/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.06 J	J	0.06 J	0.036	0.1	ug/L	CCV Frequency
Y5QD8	1001105-03	Y5QE0	1/18/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.052 J	J	0.052 J	0.036	0.1	ug/L	CCV Frequency
Y5QD8	1001105-04	Y5QE1	1/18/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.056 J	J	0.056 J	0.036	0.1	ug/L	CCV Frequency
Y5QD8	1001105-05	Y5QE2	1/18/2010	FD	SOM01.2 SIMVOL	Vinyl chloride	0.05 J	J	0.05 J	0.036	0.1	ug/L	CCV Frequency
Y5QD8	1001105-06	Y5QE3	1/18/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.082 J	J	0.082 J	0.036	0.1	ug/L	CCV Frequency
Y5QD8	1001105-07	Y5QE4	1/18/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.082 J	J	0.082 J	0.036	0.1	ug/L	CCV Frequency

Qualified Results Table
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SDG	Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	MDL	RL	UNITS	Reason
Y5QD8	1001105-08	Y5QE5	1/18/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.079 J	J	0.079 J	0.036	0.1	ug/L	CCV Frequency
Y5QD8	1001105-11	Y5QE6	1/19/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
Y5QD8	1001105-12	Y5QE7	1/19/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
Y5QD8	1001105-13	Y5QE8	1/19/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency
Y5QD8	1001105-14	Y5QE9	1/19/2010	N	SOM01.2 SIMVOL	Vinyl chloride	0.1 U	J	0.1 UJ	0.036	0.1	ug/L	CCV Frequency

Units: µg/L = micrograms per liter

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
GW	Groundwater	N	Normal Environmental Sample
		FD	Field Duplicate
		TB	Trip Blank

Data Qualifier Definitions

Flag	Description
U	Non-detect
J	Estimated value
R	Rejected value

Reason and Comment Code Definitions

Code	Description
CCV	Continuing calibration verification
ICAL	Initial calibration
MB	Method blank contamination
MS/MSD	Matrix spike/matrix spike duplicate
MTVDA	More technically valid data available
%R	Percent recovery
RPD	Relative percent difference
RRF	Relative response factor
RL	Reporting limit
SDG	Sample delivery group
TB	Trip blank

1.0 CROSS REFERENCE OF SAMPLES VERIFIED

A Tier II verification was performed on the analytical data presented in the laboratory Sample Delivery Groups (SDG) indicated below. Data were reviewed as described in the *Final Quality Assurance Project Plan, CTS Printex Superfund Site, Mountain View, California* (QAPP), January 2010. These SDGs contained data for the following methods.

- Volatile organic compounds (VOC) by Environmental Protection Agency (EPA) Method TO-15SIM

The samples were analyzed by United States Environmental Protection Agency Region 9 Laboratory in Richmond, California. The table below provides an analytical summary and cross reference for the sample(s) verified. A summary of all qualified data is provided in a qualified results table (QRT) as Attachment A.

Table 1

Field Sample Identification	Canister Number	Sample Type	Accutest Laboratory SDG	TO-15SIM
TB-030410	134	TB	1003017-01	X
935-OA-01-E1	126	OA	1003017-02	X
935IA-01-E1	516	IA	1003017-05	X
1914IA-01-E1	123	IA	1003017-07	X
935IA-02-E1	505	IA, PS	1003017-11	X
935IA-03-EI	113	FD	1003017-12	X
6TB-031010-E2	775	TB	1003037-05	X
935OA-01-E2	0135	OA	1003037-07	X
935IA-01-E2	776	IA	1003037-08	X
935IA-02-E2	454	IA, PS	1003037-09	X
935IA-03-E2	773	FD	1003037-10	X
1914IA-01-E2	500	IA	1003037-11	X

TB = Trip Blank
FD = Field duplicate of PS
PS = Primary Sample
IA = Indoor Air Sample
OA = Outdoor Air Sample

2.0 LABORATORY REPORT

The comments and data qualifiers noted by the laboratory in the case narratives did not require any data qualifier flags.

3.0 SAMPLE INTEGRITY

The chain-of-custody (COC) is on file at the Region 9 laboratory. No sample receipt anomalies were reported in the case narrative that required data qualifier flags. However, the laboratory case narrative for SDG 10071C indicated that canister 0135 and 766 had

their tags switched upon receipt. Subsequent comparison of the field sample identification/canister number combination reported by the laboratory to that recorded on the sample collection log verified that there was a discrepancy.

4.0 DATA EVALUATION

4.1 VOCs by EPA Method TO-15SIM

4.1.1 Holding Times

The samples were analyzed within the recommended method holding time of 30 days.

4.1.2 Calibration

Initial and continuing calibration criteria summaries were reviewed. All values were within criteria.

4.1.3 Blank evaluation

One trip blank per field event was analyzed for the presence of VOCs in vapor. The trip blanks were taken to every sampling point along the sampling train. There were no compounds found in the trip blanks associated with this data set. Method blanks were analyzed with each analytical batch to assess laboratory contamination. There were no anomalies.

4.1.4 Laboratory Control Sample (LCS)/Lab Control Spike Duplicate (LCSD)

Two LCS/LCSD pairs were reported for each analytical batch, one at high and one at low level. QC results were reviewed using the QAPP control limits. All recoveries were within control limits.

4.1.5 Laboratory Duplicate

A laboratory duplicate was reported for each analytical batch to measure precision. All relative percent differences (RPDs) were within control limits.

4.1.6 Instrument Performance

Evaluation of the gas chromatography/mass spectrometry (GC/MS) tunes was performed. All values were within criteria.

4.1.7 Compound Quantitation and Identification

The laboratory RLs and results were reviewed. There were no quantitation anomalies except as noted below.

- Results for several compounds were reported below the reporting limit in all samples with the exception of the trip blanks. The associated results have been flagged "J" for an estimated value.

- Results for dichloromethane, 1,1,1-trichloroethane, and toluene were reported above the calibration range of the instrument. The associated results have been flagged "J" for an estimated value.

4.1.8 Field Duplicate Samples

Field duplicate samples are identified in Table 1. The RPDs were evaluated and were within QAPP criteria. The results are presented in the Field Duplicate Table as Attachment B.

5.0 OVERALL ASSESSMENT FOR DATA SET

There were no rejected VOC analytical results. Based on the available information, the data as qualified are considered useable for their intended purposes.

6.0 RECOMMENDATIONS

There are no recommendations.

Attachment A: Qualified Results Table
Attachment B: Field Duplicate Table

ATTACHMENT A

QUALIFIED RESULTS TABLE

Qualified Results Table
CTS Printex Superfund Site
March 2010 Indoor Air Sampling
Mountain View, California

SDG	FieldID	LabSampleID	Result	Units	Analyte	RL	Lab Qualifier	Added Qualifier	Reason	Method	Validator
10071C	935IA-01-E2 can 766	1003037-08	0.11	ug/m3	1,2-Dichloroethane	0.2	J	J	TR	TO15	ITSI
10071C	935IA-01-E2 can 766	1003037-08	0.16	ug/m3	Chloroform	0.24	J	J	TR	TO15	ITSI
10071C	935IA-01-E2 can 766	1003037-08	4.1	ug/m3	Toluene	0.19	J	J	E	TO15	ITSI
10071C	1914IA-01-E2 can 500	1003037-11RE1	4.9	ug/m3	Toluene	5.6	J	J	E	TO15	ITSI
10064G	935-OA-01-E1 can 126	1003017-02	0.11	ug/m3	1,2-Dichloroethane	0.2	J	J	TR	TO15	ITSI
10064G	935-OA-01-E1 can 126	1003017-02	0.14	ug/m3	Chloroform	0.24	J	J	TR	TO15	ITSI
10064G	935-OA-01-E1 can 126	1003017-02	0.24	ug/m3	Tetrachloroethene	0.34	J	J	TR	TO15	ITSI
10064G	935-OA-01-E1 can 126	1003017-02	3.2	ug/m3	Toluene	0.19	J	J	TR	TO15	ITSI
10064G	935IA-01-E1 can 516	1003017-05	0.1	ug/m3	1,1-Dichloroethene	0.2	J	J	TR	TO15	ITSI
10064G	935IA-01-E1 can 516	1003017-05	0.16	ug/m3	1,2-Dichloroethane	0.2	J	J	TR	TO15	ITSI
10064G	935IA-01-E1 can 516	1003017-05	58	ug/m3	Dichloromethane	0.17	J	J	TR	TO15	ITSI
10064G	935IA-01-E1 can 516	1003017-05	0.18	ug/m3	Tetrachloroethene	0.34	J	J	TR	TO15	ITSI
10064G	935IA-01-E1 can 516	1003017-05	15	ug/m3	Toluene	0.19	J	J	TR	TO15	ITSI
10064G	1914IA-01-E1 can 123	1003017-07	0.18	ug/m3	1,1,1-Trichloroethane	0.27	J	J	TR	TO15	ITSI
10064G	1914IA-01-E1 can 123	1003017-07	0.13	ug/m3	1,2-Dichloroethane	0.2	J	J	TR	TO15	ITSI
10064G	1914IA-01-E1 can 123	1003017-07	0.23	ug/m3	Chloroform	0.24	J	J	TR	TO15	ITSI
10064G	1914IA-01-E1 can 123	1003017-07	20	ug/m3	Toluene	0.19	J	J	E	TO15	ITSI
10064G	935IA-02-E1 can 505	1003017-11	3.3	ug/m3	1,1,1-Trichloroethane	0.27	J	J	TR	TO15	ITSI
10064G	935IA-02-E1 can 505	1003017-11	0.13	ug/m3	1,2-Dichloroethane	0.2	J	J	TR	TO15	ITSI
10064G	935IA-02-E1 can 505	1003017-11	0.22	ug/m3	Chloroform	0.24	J	J	TR	TO15	ITSI
10064G	935IA-02-E1 can 505	1003017-11	150	ug/m3	Dichloromethane	0.17	J	J	E	TO15	ITSI
10064G	935IA-02-E1 can 505	1003017-11	37	ug/m3	Toluene	0.19	J	J	TR	TO15	ITSI
10064G	935IA-03-E1 can 113	1003017-12	3.5	ug/m3	1,1,1-Trichloroethane	0.27	J	J	E	TO15	ITSI
10064G	935IA-03-E1 can 113	1003017-12	0.13	ug/m3	1,2-Dichloroethane	0.2	J	J	TR	TO15	ITSI
10064G	935IA-03-E1 can 113	1003017-12	0.23	ug/m3	Chloroform	0.24	J	J	TR	TO15	ITSI
10064G	935IA-03-E1 can 113	1003017-12	150	ug/m3	Dichloromethane	0.17	J	J	E	TO15	ITSI
10064G	935IA-03-E1 can 113	1003017-12	37	ug/m3	Toluene	0.19	J	J	E	TO15	ITSI

Notes:

Laboratory: United States Environmental Protection Agency Region 9 Laboratory (Richmond, California)

ug/m3 = microgram per cubic meter
J = Estimated amount
RL = Reporting limit
SDG = Sample Delivery Group
UJ = Not detected; reporting limit is estimated
TR = Result greater than MDL but less than RL
E = Result exceeded the calibration range of the instrument

ATTACHMENT B

FIELD DUPLICATE TABLE

Attachment B - Field Duplicate Report
CTS Printex Superfund Site, Mountainview, California

Field Duplicates for SDG: 10064G

LOCID	ANMCODE
935-IA-02	TO-15SIM

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	NAME	Primary Result	FD Result	RL (ug/m3)	RPD	RPD Check	RL Check
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	1,1,1-Trichloroethane	3.3	3.5	0.27	5.9	OK	NA
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	1,1-Dichloroethane	ND	ND	0.2	NA	NA	OK
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	1,1-Dichloroethene	ND	ND	0.2	NA	NA	OK
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	1,2-Dichloroethane	0.13	0.13	0.2	NA	NA	OK
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	Benzene	1.3	1.3	0.16	0.0	OK	NA
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	Chloroform	0.22	0.23	0.24	NA	NA	OK
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	Methylene Chloride	150	150	0.17	0.0	OK	NA
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	Tetrachloroethene (PCE)	ND	ND	0.34	NA	NA	OK
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	Toluene	37	37	0.19	0.0	OK	NA
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	trans-1,2-Dichloroethene	ND	ND	0.2	NA	NA	OK
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	Trichloroethene (TCE)	ND	ND	0.27	NA	NA	OK
935IA-02-E1 / 935IA-03-E1	1003017-11 / 1003017-12	Vinyl Chloride	ND	ND	0.13	NA	NA	OK

Field Duplicates for SDG: 10071C

LOCID	ANMCODE
935-IA-02	TO-15SIM

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	NAME	Primary Result	FD Result	RL (ug/m3)	RPD	RPD Check	RL Check
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	1,1,1-Trichloroethane	3.2	3.4	0.27	6.1	OK	NA
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	1,1-Dichloroethane	ND	ND	0.2	NA	NA	OK
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	1,1-Dichloroethene	ND	ND	0.2	NA	NA	OK
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	1,2-Dichloroethane	0.13	0.13	0.2	NA	NA	OK
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	Benzene	1.4	1.5	0.16	6.9	OK	NA
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	Chloroform	0.22	0.27	0.24	20.4	OK	OK
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	Methylene Chloride	5.5	5.6	5.2	1.8	OK	OK
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	Tetrachloroethene (PCE)	ND	ND	0.34	NA	NA	OK
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	Toluene	20	20	5.6	0.0	OK	NA
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	trans-1,2-Dichloroethene	ND	ND	0.2	NA	NA	OK
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	Trichloroethene (TCE)	ND	ND	0.27	NA	NA	OK
935IA-02-E2 / 935IA-03-E2	1003037-09 / 1003037-10	Vinyl Chloride	ND	ND	0.13	NA	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Air

The RPD criteria used for organic analysis is: 30

EPA VALIDATION

National Functional Guidelines Report # 3

14:23 Fri, Jan 22, 2010

Lab LIBRTY (Liberty Analytical C...) **SDG** Y5QB9 **Case** 39358 **Contract** EPW05028 **Region** 9 **DDTID** 85121 **SOW** SOM01.2

Data Review Results

Modified by ESAT. Changes (*) are based on hardcopy data package forms review to verify EXES R-flags and shown as ~~strikethrough~~ and **underline bold**.
Reviewer: Santiago Lee (EPA Contract EP-W-06-041, TDF 00405118, ICF International). Date: 04/01/10. DCN: 12040.

Data Review Results

Blanks	**VOA_TRACE**
VTLB11	The following trace volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated method blank has common contaminant analyte concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	Acetone Y5QC1, Y5QD2MS, Y5QD2MSD, Y5QD3, Y5QD4, Y5QD5, Y5QD6, Y5QD7
Blanks	**VOA_TRACE**
VTLB12	The following trace volatile samples have analyte concentrations reported below the CRQL. The associated method blank concentration is less than the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	Cyclohexane Y5QC0, Y5QC1, Y5QC2, Y5QC3, Y5QC4, Y5QC5, Y5QC6, Y5QC7, Y5QD0, Y5QD1, Y5QD2, Y5QD2MS, Y5QD2MSD, Y5QD3, Y5QD4, Y5QD5, Y5QD6, Y5QD7
Blanks	**VOA_TRACE**
VTLB44	The following trace volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated storage blank has common contaminant analyte concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	Acetone Y5QC0, Y5QC1, Y5QC3, Y5QC4, Y5QC5, Y5QC6, Y5QC7, Y5QD0, Y5QD1, Y5QD2, Y5QD2MS, Y5QD2MSD, Y5QD3, Y5QD4, Y5QD5, Y5QD6, Y5QD7
	Methylene chloride Y5QC0, Y5QC1, Y5QD5, Y5QD6, Y5QD7
Blanks	**VOA_TRACE**
VTLB45	The following trace volatile samples have analyte concentrations reported below the CRQL. The associated storage blank concentration is less than the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	Cyclohexane Y5QC0, Y5QC1, Y5QC2, Y5QC3, Y5QC4, Y5QC5, Y5QC6, Y5QC7, Y5QD0, Y5QD1, Y5QD2, Y5QD2MS, Y5QD2MSD, Y5QD3, Y5QD4, Y5QD5, Y5QD6, Y5QD7
Blanks	**VOA_TRACE**
VTLB56	The following trace volatile samples have common contaminant analyte concentrations reported greater than or equal to 2x the CRQL and less than 4x the CRQL. The associated storage blank common contaminant concentration is less than 2x the concentration criteria. Detected and nondetected compounds are not qualified.
	Methylene chloride Y5QD2MS, Y5QD2MSD, Y5QD3, Y5QD4

National Functional Guidelines Report # 3

14:23 Fri, Jan 22, 2010

Lab LIBRTY (Liberty Analytical C...) **SDG** Y5QB9 **Case** 39358 **Contract** EPW05028 **Region** 9 **DDTID** 85121 **SOW** SOM01.2

Data Review Results

Continuing Calibration Verification

Continuing Calibration Verification	**VOA_SIM**
VTC25 *	The following volatile samples are associated with a opening and closing CCV that are not analyzed **(Not required because samples were analyzed after the initial calibration)** ~~at the correct frequency. Detected compounds are qualified R. Nondetected compounds are qualified R~~.
	VBLKNV, VHBLKZQ

National Functional Guidelines Report # 3

14:23 Fri, Jan 22, 2010

Lab LIBRTY (Liberty Analytical C...) **SDG** Y5QB9 **Case** 39358 **Contract** EPW05028 **Region** 9 **DDTID** 85121 **SOW** SOM01.2

Data Review Results

DMC/Surrogate

DMC/Surrogate	VOA_TRACE
VTDSS2	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y5QC0, Y5QC1, Y5QC4, Y5QC6, Y5QC7, Y5QC9, Y5QD1, Y5QD2, Y5QD2MSD
	Chloroethane-d5 Y5QC6
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
	1,1-Dichloroethene-d2 Y5QD2MSD
	1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene
	Vinyl chloride-d3 Y5QC0, Y5QC1, Y5QC4, Y5QC6, Y5QC7, Y5QC9, Y5QD1, Y5QD2
	Vinyl chloride

Lab LIBRTY (Liberty Analytical C...) **SDG** Y5QB9 **Case** 39358 **Contract** EPW05028 **Region** 9 **DDTID** 85121 **SOW** SOM01.2

Data Review Results

Detection Limit

Detection Limit	**VOA_SIM**
VTDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	Vinyl chloride Y5QC0, Y5QC4, Y5QC4RE, Y5QC5RE, Y5QC9, Y5QD0
Detection Limit	**VOA_TRACE**
VTDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	VBLKBP, VBLKBQ, VHBLKZQ, Y5QB9, Y5QC0, Y5QC1, Y5QC2, Y5QC3, Y5QC4, Y5QC5, Y5QC6, Y5QC7, Y5QC8, Y5QC9, Y5QD0, Y5QD1, Y5QD2, Y5QD2MS, Y5QD2MSD, Y5QD3, Y5QD4, Y5QD5, Y5QD6, Y5QD7
	Toluene Y5QB9, Y5QC0, Y5QC1, Y5QC2, Y5QC3, Y5QC4, Y5QC5, Y5QC6, Y5QC7, Y5QC9, Y5QD0, Y5QD1, Y5QD2, Y5QD3, Y5QD4, Y5QD5, Y5QD6, Y5QD7
	Cyclohexane VBLKBP, VBLKBQ, VHBLKZQ, Y5QB9, Y5QC0, Y5QC1, Y5QC2, Y5QC3, Y5QC4, Y5QC5, Y5QC6, Y5QC7, Y5QC8, Y5QC9, Y5QD0, Y5QD1, Y5QD2, Y5QD2MS, Y5QD2MSD, Y5QD3, Y5QD4, Y5QD5, Y5QD6, Y5QD7
	cis-1,2-Dichloroethene Y5QC7, Y5QD0
	Acetone VBLKBQ, VHBLKZQ, Y5QB9, Y5QC0, Y5QC3, Y5QC4, Y5QC5, Y5QC6, Y5QC7, Y5QC8, Y5QC9, Y5QD0, Y5QD1, Y5QD2, Y5QD2MS, Y5QD2MSD, Y5QD3, Y5QD4, Y5QD5, Y5QD6, Y5QD7
	Benzene Y5QC1
	1,1,1-Trichloroethane Y5QC7
	Methylene chloride Y5QB9, Y5QC1, Y5QD7
	Carbon disulfide Y5QC0, Y5QC1, Y5QD3, Y5QD4, Y5QD7
	1,1-Dichloroethane Y5QC0, Y5QC5, Y5QC7

Lab LIBRTY (Liberty Analytical C...) **SDG** Y5QB9 **Case** 39358 **Contract** EPW05028 **Region** 9 **DDTID** 85121 **SOW** SOM01.2

Data Review Results

Internal Standard

Internal Standard	**VOA_SIM**
VTIS31 *	The following trace volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are qualified ~~R~~ **UJ (area count <60% but >25%; Region 9 modification)**.
	1,4-Difluorobenzene Y5QC5

National Functional Guidelines Report # 3

14:23 Fri, Jan 22, 2010

Lab LIBRTY (Liberty Analytical C...) **SDG** Y5QB9 **Case** 39358 **Contract** EPW05028 **Region** 9 **DDTID** 85121 **SOW** SOM01.2

Data Review Results

Matrix Spikes

Matrix Spikes	**VOA_TRACE**
VTMS2	The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified.
	Toluene Y5QD2MS, Y5QD2MSD
	Chlorobenzene Y5QD2MS, Y5QD2MSD
	Benzene Y5QD2MS, Y5QD2MSD
	Trichloroethene Y5QD2MS, Y5QD2MSD

National Functional Guidelines Report # 3

14:23 Fri, Jan 22, 2010

Lab LIBRTY (Liberty Analytical C...) **SDG** Y5QB9 **Case** 39358 **Contract** EPW05028 **Region** 9 **DDTID** 85121 **SOW** SOM01.2

Data Review Results

TIC

TIC	**VOA_TRACE**
VTTIC1	A library search indicates a match at or above 85% for a TIC compound in the trace volatile sample Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	000115-07-1 Y5QC1
TIC	**VOA_TRACE**
VTTIC2	A library search indicates a match below 85% for a TIC compound in the trace volatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.
	Unknown-01 Y5QC0, Y5QC1, Y5QC2
	Unknown-02 Y5QC1
	Unknown-03 Y5QC1

ICF International / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300; Fax: (510) 412-2304.

MEMORANDUM

TO: Raymond Chavira, Remedial Project Manager
Site Cleanup Section 3, SFD-7-3

THROUGH: Rose Fong, ESAT Task Order Manager (TOM)
Quality Assurance (QA) Program, MTS-3

FROM: Doug Lindelof, Data Review Task Manager
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405118

DATE: March 31, 2010

SUBJECT: Review of Analytical Data, Tier 3

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	CTS Printex
Site Account No.:	09 H5 QB00
CERCLIS ID No.:	CAD009212838
Case No.:	39358
SDG No.:	Y5QD8
Laboratory:	CompuChem (LIBRTY)
Analysis:	Vinyl Chloride by Trace Volatiles Selective Ion Monitoring (SIM)
Samples:	14 Ground Water Samples (see Case Summary)
Collection Date:	December 18, 19, and 20, 2009
Reviewer:	Santiago Lee, ESAT/Laboratory Data Consultants (LDC)

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Cynthia Gurley, CLP PO USEPA Region 4
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action
SAMPLING ISSUES: [X] Yes [ ] No

Data Validation Report - Tier 3

Case No.: 39358
SDG No.: Y5QD8
Site: CTS Printex
Laboratory: CompuChem (LIBRTY)
Reviewer: Santiago Lee, ESAT/LDC
Date: March 31, 2010

I. CASE SUMMARY

Sample Information

Samples:	Y5QD8 through Y5QF1
Concentration and Matrix:	Low Concentration Water
Analysis:	Vinyl Chloride by Trace Volatiles SIM
SOW:	SOM01.2 and Modification Reference No. 1869.0
Collection Date:	December 18, 19, and 20, 2009
Sample Receipt Date:	December 19, 20, and 21, 2009
Extraction Date:	Not Applicable
Analysis Date:	December 21 and 22, 2009

Field QC

Field Blanks (FB):	Not Provided
Equipment Blanks (EB):	Not Provided
Trip Blanks (TB):	Y5QD8, Y5QE6, and Y5QF0
Background Samples (BG):	Not Provided
Field Duplicates (D1):	Y5QE1 and Y5QE2

Laboratory QC

Method Blanks & Associated Samples:

VBLKNV:	Y5QD8 through Y5QE9
VBLKNX:	Y5QF0, Y5QF1; storage blank VHBLKZS

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

None.

CLP PO Attention

None.

Sampling Issues

1. The laboratory indicated on the sample log-in sheet that the custody seal and cooler temperature indicator bottle were absent from the cooler containing samples collected on 01/19/10 (refer to page 563 in the data package).

2. Trip blanks were not submitted "blind" to the laboratory since "TB" was used as part of station location on traffic report and chain of custody records (TR/COCs) (refer to pages 17 through 19 in the data package).

3. No sample was designated for "laboratory QC" on traffic report and chain of custody records (TR/COCs). The TR/COCs indicated that Y5QE4 and Y5QE5 were extra vials for the matrix spike/matrix spike duplicate (MS/MSD) analysis of sample Y5QE3; sample numbers should not be assigned to these extra vials. The laboratory analyzed Y3QE3, Y5QE4, and Y5QE5 as separate samples. The MS/MSD analysis was not requested.

Additional Comments

This report was prepared in accordance with the following documents:

- ESAT Region 9 Standard Operating Procedure 901, *Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages*;
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration*, SOM01.1, May 2005;
- *Modifications Updating SOM01.1 to SOM01.2*, Amended April 11, 2007; and
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, June 2008.

II. VALIDATION SUMMARY

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
1.	Holding Time/Preservation	Yes	
2.	GC/MS Tune/GC Performance	Yes	
3.	Initial Calibration	Yes	
4.	Continuing Calibration Verification	Yes	
5.	Laboratory Blanks	Yes	
6.	Field Blanks	Yes	
7.	Deuterated Monitoring Compounds	Yes	
8.	Matrix Spike/Matrix Spike Duplicate	N/A	
9.	Laboratory Control Sample/Duplicate	N/A	
10.	Internal Standards	Yes	
11.	Compound Identification	Yes	
12.	Compound Quantitation	Yes	A
13.	System Performance	Yes	
14.	Field Duplicate Sample Analysis	Yes	

N/A = Not Applicable

III. VALIDITY AND COMMENTS

A. The following results, denoted with an “L” qualifier, are estimated and flagged “J” in Table 1A.

- All detected results below the contract required quantitation limits

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," June 2008.

U The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.

L Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.

J The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.

R The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QD8
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 03/31/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8		TB	Y5QD9			Y5QE0			Y5QE1		D1	Y5QE2		D1	Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U			0.060L	J	A	0.052L	J	A	0.056L	J	A	0.050L	J	A	0.082L	J	A

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6		TB	Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.082L	J	A	0.079L	J	A	0.10U			0.10U			0.10U			0.10U		

Station Location :	TB-C7			MIP4-1W			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QF0		TB	Y5QF1			VBLKNV			VBLKNX			VHBLKZS			CRQL		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U			0.15			0.10U			0.10U			0.10U			0.10		

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Amended Table 1A

Case No. : 39358 SDG No. : Y5QB9
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/01/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	TB-C3			TW3-S3			TW3-D3			TW3-D2			TW3-S1			41W		
Sample ID :	Y5QB9			Y5QC0			Y5QC1			Y5QC2			Y5QC3			Y5QC4		
Collection Date :	1/15/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.048J	J		0.10U	U		0.10U	U		0.12			0.055J	J	

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

Data with qualifiers changed or added are bolded (based on forms review by ESAT to verify EXES R-flags).

ANALYTICAL RESULTS
Amended Table 1A

Case No. : 39358 SDG No. : Y5QB9
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/01/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	TW1-S1			TW1-D1			TW3-D1			TB-C4			TW4-S1			TW4-D1		
Sample ID :	Y5QC5			Y5QC6			Y5QC7			Y5QC8			Y5QC9			Y5QD0		
Collection Date :	1/14/2010			1/14/2010			1/14/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	**UJ**		0.10U	U		0.10U	U		0.10U	U		0.065J	J		0.041J	J	

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

Data with qualifiers changed or added are bolded (based on forms review by ESAT to verify EXES R-flags).

ANALYTICAL RESULTS
Amended Table 1A

Case No. : 39358 SDG No. : Y5QB9
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/01/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	TW4-S2			TW4-S2MS			TW4-S2MSD			TW4-D2			TW4-S3			42W		
Sample ID :	Y5QD1			Y5QD2			Y5QD3			Y5QD4			Y5QD5			Y5QD6		
Collection Date :	1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U	

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

Data with qualifiers changed or added are bolded (based on forms review by ESAT to verify EXES R-flags).

ANALYTICAL RESULTS
Amended Table 1A

Case No. : 39358 SDG No. : Y5QB9
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/01/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	TW4-D3			Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QD7			VBLKNS			VBLKNT			VBLKNV			VHBLKZQ			CRQL		
Collection Date :	1/15/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.10U	U		0.10U	U		0.10U			0.10U			0.10		

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

Data with qualifiers changed or added are bolded (based on forms review by ESAT to verify EXES R-flags).

ANALYTICAL RESULTS
Amended Table 1A

Case No. : 39358 SDG No. : Y5QB9
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/01/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :																		
Sample ID :	Y5QC4RE			Y5QC5RE														
Collection Date :																		
Dilution Factor :	1.0			1.0														
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.054J	J		0.037J	J													

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

Data with qualifiers changed or added are bolded (based on forms review by ESAT to verify EXES R-flags).

ICF International / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300; Fax: (510) 412-2304.

MEMORANDUM

TO: Raymond Chavira, Remedial Project Manager
Site Cleanup Section 3, SFD-7-3

THROUGH: Rose Fong, ESAT Task Order Manager (TOM)
Quality Assurance (QA) Program, MTS-3

FROM: Doug Lindelof, Data Review Task Manager
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405118

DATE: April 2, 2010

SUBJECT: Review of Analytical Data, Tier 3

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	CTS Printex
Site Account No.:	09 H5 QB00
CERCLIS ID No.:	CAD009212838
Case No.:	39358
SDG No.:	Y5QD8
Laboratory:	CompuChem (LIBRTY)
Analysis:	Trace Volatiles
Samples:	14 Ground Water Samples (see Case Summary)
Collection Date:	December 18, 19, and 20, 2009
Reviewer:	Santiago Lee, ESAT/Laboratory Data Consultants (LDC)

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Cynthia Gurley, CLP PO USEPA Region 4
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [X] Yes [ ] No

Data Validation Report - Tier 3

Case No.: 39358
SDG No.: Y5QD8
Site: CTS Printex
Laboratory: CompuChem (LIBRTY)
Reviewer: Santiago Lee, ESAT/LDC
Date: April 2, 2010

I. CASE SUMMARY

Sample Information

Samples:	Y5QD8 through Y5QF1
Concentration and Matrix:	Low Concentration Water
Analysis:	Trace Volatiles
SOW:	SOM01.2
Collection Date:	December 18, 19, and 20, 2009
Sample Receipt Date:	December 19, 20, and 21, 2009
Extraction Date:	Not Applicable
Analysis Date:	December 21 and 22, 2009

Field QC

Field Blanks (FB):	Not Provided
Equipment Blanks (EB):	Not Provided
Trip Blanks (TB):	Y5QD8, Y5QE6, and Y5QF0
Background Samples (BG):	Not Provided
Field Duplicates (D1):	Y5QE1 and Y5QE2

Laboratory QC

Method Blanks & Associated Samples:

VBLKEL:	Y5QD8 through Y5QE9, Y5QE4MS, Y5QE4MSD
VBLKEN:	Y5QE9DL, Y5QF0, Y5QF1, Y5QF1DL
VBLKEP:	Storage blank VHBLKZR

Tables

1A:	Analytical Results with Qualifications
1B:	Data Qualifier Definitions for Organic Data Review
2:	Calibration Summary

CLP PO Action

None.

CLP PO Attention

1. Detected results for acetone in samples Y5QE4 and Y5QE5 are qualified as nondetected and estimated (U,J) due to trip blank contamination (see Comment B).

2. Results for bromomethane, acetone, and 2-butanone in all samples are qualified as estimated (J) due to low relative response factors (RRFs) in initial calibrations and continuing calibration verifications (CCVs) (see Comment C).

3. Results for bromomethane in all samples are qualified as estimated (J) due to large percent relative standard deviations (%RSDs) in initial calibrations (see Comment D).

Sampling Issues

1. The laboratory indicated on the sample log-in sheet that the custody seal and cooler temperature indicator bottle were absent from the cooler containing samples collected on 01/19/10 (refer to page 563 in the data package).

2. Trip blanks were not submitted "blind" to the laboratory since "TB" was used as part of station location on traffic report and chain of custody records (TR/COCs) (refer to pages 17 through 19 in the data package).

3. No sample was designated for "laboratory QC" on traffic report and chain of custody records (TR/COCs). The TR/COCs indicated that Y5QE4 and Y5QE5 were extra vials for the matrix spike/matrix spike duplicate (MS/MSD) analysis of sample Y5QE3; sample numbers should not be assigned to these extra vials. The laboratory analyzed Y3QE3, Y5QE4, and Y5QE5 as separate samples and performed MS/MSD analysis on Y5QE4.

Additional Comments

In addition to laboratory artifacts (approximate retention times of 10.1 and 11.6 minutes), tentatively identified compounds (TICs) were found in samples Y5QE5 and Y5QE8 (see attached Form 1Js).

The laboratory performed manual integrations on calibrations due to incorrect auto integration. Manual integrations were reviewed and found to be satisfactory and in compliance with proper integration techniques.

This report was prepared in accordance with the following documents:

- ESAT Region 9 Standard Operating Procedure 901, *Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages*;
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration*, SOM01.1, May 2005;
- *Modifications Updating SOM01.1 to SOM01.2*, Amended April 11, 2007; and
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, June 2008.

II. VALIDATION SUMMARY

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
1.	Holding Time/Preservation	Yes	
2.	GC/MS Tune/GC Performance	Yes	
3.	Initial Calibration	No	C, D
4.	Continuing Calibration Verification	No	C
5.	Laboratory Blanks	Yes	
6.	Field Blanks	No	B
7.	Deuterated Monitoring Compounds	Yes	
8.	Matrix Spike/Matrix Spike Duplicate	No	E
9.	Laboratory Control Sample/Duplicate	N/A	
10.	Internal Standards	Yes	
11.	Compound Identification	Yes	
12.	Compound Quantitation	Yes	A, F
13.	System Performance	Yes	
14.	Field Duplicate Sample Analysis	Yes	

N/A = Not Applicable

III. VALIDITY AND COMMENTS

A. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- All detected results below the contract required quantitation limits

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

B. The following results are qualified as nondetected and estimated due to trip blank contamination and are flagged "U,J" in Table 1A.

- Acetone in samples Y5QE4 and Y5QE5

Acetone was found in the trip blank Y5QD8 (1.1 ug/L). Results listed above are considered nondetected and estimated (U,J) and quantitation limits have been raised according to blank qualification rules presented below.

No positive results are reported unless the concentration of the compound in the sample exceeds 10 times the amount in any associated blank for common laboratory contaminants or 5 times the amount for other compounds. If the sample result is greater than the CRQL, the quantitation limit is raised to the sample result and reported as nondetected. If the sample result is less than the CRQL, the result is reported as nondetected at the CRQL.

The acetone result for sample Y5QF1 (1.1 ug/L) is not qualified as nondetected and estimated because acetone was not detected in the associated trip blank Y5QF0.

Data users should note that acetone in sample Y5QF1 may be an artifact because it was found in trip blank Y5QD8.

A trip blank is laboratory reagent water which is shipped from the laboratory to the field with the empty sample containers and back to the laboratory with the filled sample containers. A trip blank is intended to detect contaminants introduced during the transport of the samples to the laboratory, although any laboratory introduced contamination will be present. Contaminants that are found in the trip blank which are absent in the laboratory method blank could be indicative of a problem in transportation, storage, the bottle preparation procedure, or other indeterminate error.

C. Results for the following analytes are qualified as estimated due to low RRFs in initial calibrations and CCVs and are flagged "J" in Table 1A.

- Bromomethane in all samples and method blanks VBLKEL and VBLKEN
- Acetone and 2-butanone in all samples, all method blanks, and storage blank VHBLKZR

RRFs for bromomethane, acetone, and 2-butanone were below the 0.05 validation criterion in initial calibrations and CCVs (see Table 2). Detected results for acetone should be considered as the minimum concentrations at which it is present. Where results for bromomethane, acetone, and 2-butanone are nondetected, false negatives may exist.

DMCs 2-butanone-d5 and 2-hexanone-d5 also had RRFs below the 0.05 validation criterion in initial calibrations and CCVs (see Table 2). Quantitation of the analytes associated with these DMCs (acetone, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone) may have been affected by low RRFs.

The RRF evaluates instrument sensitivity and is used in the quantitation of target analytes.

D. Results for the following analyte are qualified as estimated due to large %RSDs in initial calibrations and are flagged "J" in Table 1A.

- Bromomethane in all samples, all method blanks, and storage blank VHBLKZR

%RSDs of 36.1% and 33.2% were reported for bromomethane in 01/20/10 and 01/22/10 initial calibrations, respectively. These values exceeded the ±30.0% validation criterion.

The initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing a linear calibration curve and provides the mean relative response factors used for quantitation.

E. The matrix spike/matrix spike duplicate (MS/MSD) recoveries and relative percent difference (RPD) for trichloroethene in QC samples Y5QE4MS and Y5QE4MSD did not meet the criterion for accuracy and precision specified in the SOW, as shown below.

	Y5QE4MS	Y5QE4MSD		QC limit	
Analyte	% Recovery	% Recovery	RPD	RPD	% Recovery
Trichloroethene	44	31	35	0-14	71-120

Results reported may indicate poor laboratory technique or matrix effects which may interfere with analysis. Detected results for trichloroethene in samples Y5QE3, Y5QE4, and Y5QE5 may be biased low. The effect on data quality for other samples is not known.

Matrix spike sample analysis provides information about the effect of the sample matrix on sample preparation and measurement.

F. Sample Y5QE9 was reanalyzed at a 2.5-fold dilution due to a high level of cis-1,2-dichloroethene that exceeded the calibration range. The result for cis-1,2-dichloroethene in sample Y5QE9 is reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Sample Y5QF1 was reanalyzed at a 8.3-fold dilution due to high levels of cis-1,2-dichloroethene and trichloroethene that exceeded the calibration range. Results for cis-1,2-dichloroethene and trichloroethene in sample Y5QF1 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," June 2008.

U The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.

L Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.

J The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.

R The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Table 2
Calibration Summary

Case No.: 39358
SDG No.: Y5QD8
Site: CTS Printex
Laboratory: CompuChem
Reviewer: Santiago Lee, ESAT/LDC
Date: April 2, 2010

RELATIVE RESPONSE FACTORS (RRFs)

	$\overline{\text{RRF}}$	RRF	RRF	RRF
Analysis date:	01/20/20	01/21/10	01/21/10	01/22/10
Analysis time:	22:52-	08:10	22:33	08:27
GC/MS I.D.:	5973hp90	5973hp90	5973hp90	5973hp90
Analyte	Initial	CCV	CCV	CCV
Bromomethane	0.035	0.034	0.035	0.043
Acetone	0.022	0.019	0.019	0.020
2-Butanone	0.036	0.037	0.038	0.037
2-Butanone-d8	0.042	0.039	0.040	0.038
2-Hexanone –d5	0.040	0.038	0.038	0.036

	$\overline{\text{RRF}}$	RRF
Analysis date:	01/22/10	01/23/10
Analysis time:	23:12-	07:38
GC/MS I.D.:	5973hp90	5973hp90
Analyte	Initial	CCV
Acetone	0.021	0.025
2-Butanone	0.038	0.040
2-Butanone-d8	0.047	0.040
2-Hexanone –d5	0.039	0.036

ASSOCIATED SAMPLES AND METHOD BLANKS

Initial, 01/20/10: All samples, Y5QE4MS, Y5QE4MSD; VBLKEL, VBLKEN
CCVs, 01/21/10 08:10, 01/21/10 22:33, and 01/22/10 08:27:
All samples, Y5QE4MS, Y5QE4MSD; VBLKEL, VBLKEN

Initial, 01/22/10: VBLKEP, VHBLKZR
CCV, 01/23/10 07:38:
VBLKEP, VHBLKZR.

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QD8
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/02/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8		TB	Y5QD9			Y5QE0			Y5QE1		D1	Y5QE2		D1	Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Vinyl chloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromomethane	0.50U	J	CD	0.50U	J	CD	0.50U	J	CD	0.50U	J	CD	0.50U	J	CD	0.50U	J	CD
Chloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichlorofluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethene	0.50U			3.0			1.3			0.50U			0.50U			1.2		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Acetone	1.1L	J	AC	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C
Carbon Disulfide	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methyl acetate	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methylene chloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
trans-1,2-Dichloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methyl tert-butyl ether	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethane	0.50U			4.8			1.1			0.55			0.60			0.60		
cis-1,2-Dichloroethene	0.50U			16			4.6			2.4			2.6			3.5		
2-Butanone	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C
Bromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,1-Trichloroethane	0.50U			0.50			0.12L	J	A	0.50U			0.50U			0.72		
Cyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Carbon tetrachloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Benzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichloroethene	0.50U			7.3			7.9			0.51			0.48L	J	A	19		
Methylcyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QD8
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/02/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8		TB	Y5QD9			Y5QE0			Y5QE1		D1	Y5QE2		D1	Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromodichloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
4-Methyl-2-pentanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Toluene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
trans-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tetrachloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
2-Hexanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Dibromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromoethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Ethylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
o-Xylene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
m,p-Xylene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Styrene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromoform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Isopropylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2,2-Tetrachloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,3-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,4-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromo-3-chloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,4-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,3-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QD8
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/02/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6		TB	Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Vinyl chloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromomethane	0.50U	J	CD	0.50U	J	CD	0.50U	J	CD	0.50U	J	CD	0.50U	J	CD	0.50U	J	CD
Chloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichlorofluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethene	1.6			1.3			0.50U			0.50U			0.50U			2.8		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Acetone	5.0U	J	BC	5.0U	J	BC	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C
Carbon Disulfide	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methyl acetate	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methylene chloride	0.50U			0.50U			0.50U			0.63			0.50U			0.50U		
trans-1,2-Dichloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			1.3		
Methyl tert-butyl ether	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethane	0.53			0.59			0.50U			0.50U			1.7			5.6		
cis-1,2-Dichloroethene	3.3			3.5			0.50U			0.50U			3.8			40		F
2-Butanone	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C
Bromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,1-Trichloroethane	0.75			0.71			0.50U			0.50U			0.82			0.50U		
Cyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Carbon tetrachloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Benzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichloroethene	20		E	19			0.50U			0.50U			16			9.7		
Methylcyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QD8
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/02/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6		TB	Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromodichloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
4-Methyl-2-pentanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Toluene	0.065L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U		
trans-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tetrachloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
2-Hexanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Dibromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromoethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Ethylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
o-Xylene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
m,p-Xylene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Styrene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromoform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Isopropylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2,2-Tetrachloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,3-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,4-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromo-3-chloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,4-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,3-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QD8
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/02/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C7			MIP4-1W			Method Blank			Method Blank			Method Blank			Storage Blank		
Sample ID :	Y5QF0		TB	Y5QF1			VBLKEL			VBLKEN			VBLKEP			VHBLKZR		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Vinyl chloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromomethane	0.50U	J	CD	0.50U	J	CD	0.50U	J	CD	0.50U	J	CD	0.50U	J	D	0.50U	J	D
Chloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichlorofluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethene	0.50U			7.0			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Acetone	5.0U	J	C	1.1L	J	AC	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C
Carbon Disulfide	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methyl acetate	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methylene chloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
trans-1,2-Dichloroethene	0.50U			9.1			0.50U			0.50U			0.50U			0.50U		
Methyl tert-butyl ether	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethane	0.50U			9.3			0.50U			0.50U			0.50U			0.50U		
cis-1,2-Dichloroethene	0.50U			95		F	0.50U			0.50U			0.50U			0.50U		
2-Butanone	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C
Bromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,1-Trichloroethane	0.50U			0.17L	J	A	0.50U			0.50U			0.50U			0.50U		
Cyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Carbon tetrachloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Benzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichloroethene	0.50U			53		F	0.50U			0.50U			0.50U			0.50U		
Methylcyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QD8
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/02/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C7			MIP4-1W			Method Blank			Method Blank			Method Blank			Storage Blank		
Sample ID :	Y5QF0		TB	Y5QF1			VBLKEL			VBLKEN			VBLKEP			VHBLKZR		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromodichloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
4-Methyl-2-pentanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Toluene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
trans-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tetrachloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
2-Hexanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Dibromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromoethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Ethylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
o-Xylene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
m,p-Xylene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Styrene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromoform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Isopropylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2,2-Tetrachloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,3-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,4-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromo-3-chloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,4-Trichlorobenzene	0.50U			0.50U			0.16L	J	A	0.50U			0.50U			0.50U		
1,2,3-Trichlorobenzene	0.50U			0.50U			0.17L	J	A	0.50U			0.50U			0.50U		

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QD8
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/02/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	CRQL																	
Collection Date :																		
Dilution Factor :																		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50																	
Chloromethane	0.50																	
Vinyl chloride	0.50																	
Bromomethane	0.50																	
Chloroethane	0.50																	
Trichlorofluoromethane	0.50																	
1,1-Dichloroethene	0.50																	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50																	
Acetone	5.0																	
Carbon Disulfide	0.50																	
Methyl acetate	0.50																	
Methylene chloride	0.50																	
trans-1,2-Dichloroethene	0.50																	
Methyl tert-butyl ether	0.50																	
1,1-Dichloroethane	0.50																	
cis-1,2-Dichloroethene	0.50																	
2-Butanone	5.0																	
Bromochloromethane	0.50																	
Chloroform	0.50																	
1,1,1-Trichloroethane	0.50																	
Cyclohexane	0.50																	
Carbon tetrachloride	0.50																	
Benzene	0.50																	
1,2-Dichloroethane	0.50																	
Trichloroethene	0.50																	
Methylcyclohexane	0.50																	

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QD8
Site : CTS PRINTEX
Lab : COMPUCHEM
Reviewer : Santiago Lee, ESAT/LDC
Date : 04/02/10

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	CRQL																	
Collection Date :																		
Dilution Factor :																		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50																	
Bromodichloromethane	0.50																	
cis-1,3-Dichloropropene	0.50																	
4-Methyl-2-pentanone	5.0																	
Toluene	0.50																	
trans-1,3-Dichloropropene	0.50																	
1,1,2-Trichloroethane	0.50																	
Tetrachloroethene	0.50																	
2-Hexanone	5.0																	
Dibromochloromethane	0.50																	
1,2-Dibromoethane	0.50																	
Chlorobenzene	0.50																	
Ethylbenzene	0.50																	
o-Xylene	0.50																	
m,p-Xylene	0.50																	
Styrene	0.50																	
Bromoform	0.50																	
Isopropylbenzene	0.50																	
1,1,2,2-Tetrachloroethane	0.50																	
1,3-Dichlorobenzene	0.50																	
1,4-Dichlorobenzene	0.50																	
1,2-Dichlorobenzene	0.50																	
1,2-Dibromo-3-chloropropane	0.50																	
1,2,4-Trichlorobenzene	0.50																	
1,2,3-Trichlorobenzene	0.50																	

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

1.0 CROSS REFERENCE OF SAMPLES VERIFIED

A Tier II verification was performed on the analytical data presented in the laboratory Sample Delivery Groups (SDG) indicated below. Data were reviewed as described in the *Final Quality Assurance Project Plan, CTS Printex Superfund Site, Mountain View, California* (QAPP), January 2010. These SDGs contained data for the following methods.

- Volatile organic compounds (VOC) by Environmental Protection Agency (EPA) Method TO-15
- Volatile organic compounds (VOC) by Environmental Protection Agency (EPA) Method TO-15 SIM

The samples were analyzed by United States Environmental Protection Agency Region 9 Laboratory in Richmond, California. The table below provides an analytical summary and cross reference for the sample(s) verified. A summary of all qualified data is provided in a qualified results table (QRT) as Attachment A.

Table 1

Field Sample Identification	Canister Number	Sample Type	EPA Region 9 Laboratory ID	TO-15	TO-15 SIM
1924-EXCEL-SS-04-E3	649	SS	1006037-09	X	
1914-COD-SS-02-E3	855	SS	1006037-12	X	
1914-COD-SS-03-E3 (can)	651	SS	1006037-13	X	
1914-COD-SS-03-E3 (tedlar)	NA	SB	1006037-20	X	
935-OA-02-E3	0123	OA	1006037-01		X
1914-COD-IA-09-E3	0119	IA	1006037-02		X
1914-COD-IA-06-E3	454	IA	1006037-03		X
1914-COD-IA-07-E3	0113	IA	1006037-04		X
1914-COD-IA-08-E3	0775	IA, FD	1006037-05		X
1914-COD-IA-10-E3	0134	IA, PS	1006037-06		X
1924-EXCEL-IA-12-E3	759	IA	1006037-07		X
1924-EXCEL-IA-11-E3	776	IA	1006037-08		X
TB061810	760	TB	1006037-10		X
TB061910	135	TB	1006037-11		X
935-SQ-IA-01-E3	773	IA	1006037-14		X
935-SQ-IA-02-E3	500	IA	1006037-15		X
935-RD-IA-05-E3	126	IA, FD	1006037-16		X
935-RD-IA-04-E3	758	IA, PS	1006037-17		X
935-RD-IA-03-E3	501	IA	1006037-18		X
935-OA-IA-01-E3	516	OA	1006037-19		X

TB = Trip Blank
FD = Field duplicate of PS
PS = Primary Sample
IA = Indoor Air Sample
OA = Outdoor Air Sample
SB = Shroud Blank
SS = Sub-Slab Sample

2.0 LABORATORY REPORT

Sample delivery group (SDG) 10172A was reported by the laboratory in two parts: the sub-slab samples analyzed by EPA TO-15 were reported on 12 July 2010, and the indoor air samples analyzed by EPA TO-15 SIM were reported on 22 July 2010. The comments noted by the laboratory in the case narratives did not require any data qualifier flags. It should be noted however, that the "Tedlar bag sample … submitted marked as 1914-COD-SS-03-ES" described in the case narrative of the 12 July 2010 sub-slab SDG was in fact a shroud blank, not a true sample.

3.0 SAMPLE INTEGRITY

The chain-of-custody was available for review. No sample receipt anomalies were observed. However, review of the chain-of-custody versus the report indicates that isopropanol only was requested for the shroud blank 1914-COD-SS-03-E3, but that it was analyzed for a full list. Because the sample was analyzed for more than requested, there is no effect on the data.

4.0 DATA EVALUATION

4.1 VOCs by EPA Method TO-15

4.1.1 Holding Times

The samples were analyzed within the recommended method holding time of 30 days.

4.1.2 Calibration

Initial and continuing calibration evaluations are not included at this level of review. However, the laboratory data qualifiers indicate that initial calibration criteria was not met for 1,2,4-trichlorobenzene and hexachlorobutadiene. As neither compounds are compounds of concern (COCs) for the project, there is no effect on the data.

4.1.3 Blank evaluation

Method blanks were analyzed with each analytical batch to assess laboratory contamination. There were no anomalies.

4.1.4 Laboratory Control Sample (LCS)

LCSs were reported for each analytical batch. QC results were reviewed using the QAPP control limits for COCs (70-130%) and laboratory control limits for the balance of the analytes (for which the QAPP is silent). All recoveries were within control limits, with the following exception.

- The recovery for trans-1,3-dichloropropene was outside laboratory control limits in the LCS for batch B0F0107. The result for trans-1,3-dichloropropene in the associated sample, 1914-COD-SS-03-E3, was J-flagged as estimated.

4.1.5 Laboratory Duplicate

At least one laboratory duplicate was reported for each analytical batch to measure precision. All relative percent differences (RPDs) were within QAPP control limits of 30 percent.

4.1.6 Instrument Performance

Evaluation of the gas chromatography/mass spectrometry (GC/MS) tunes is not included at this level of review.

4.1.7 Compound Quantitation and Identification

The laboratory RLs and results were reviewed. There were no quantitation anomalies except as noted below.

- Results for several compounds were reported below the reporting limit in all samples. The associated results have been flagged "J" for an estimated value.

- A result for 1,1,1-trichloroethane was reported above the calibration range of the instrument in sample 1914-COD-SS-02-E3. The associated result has been flagged "J" for an estimated value.

4.1.8 Field Duplicate Samples

Field duplicate samples are identified in Table 1. The RPDs were evaluated and were within QAPP criteria. The results are presented in the Field Duplicate Table as Attachment B.

4.2 VOCs by EPA Method TO-15SIM

4.2.1 Holding Times

The samples were analyzed within the recommended method holding time of 30 days.

4.2.2 Calibration

Initial and continuing calibration evaluations are not included at this level of review. No anomalies were noted in laboratory data qualifiers.

4.2.3 Blank evaluation

One trip blank per day was analyzed for the presence of VOCs in vapor. The trip blanks were taken to every sampling point along the sampling train. There were no compounds found in the trip blanks associated with this data set. Method blanks were analyzed with each analytical batch to assess laboratory contamination. There were no anomalies.

4.2.4 Laboratory Control Sample (LCS)/Lab Control Spike Duplicate (LCSD)

Two LCS/LCSD pairs were reported for each analytical batch, one at high and one at low level. QC results were reviewed using the QAPP control limits. All recoveries were within control limits.

4.2.5 Laboratory Duplicate

A laboratory duplicate was reported for each analytical batch to measure precision. All relative percent differences (RPDs) were within control limits.

4.2.6 Instrument Performance

Evaluation of the gas chromatography/mass spectrometry (GC/MS) tunes is not included at this level of review.

4.2.7 Compound Quantitation and Identification

The laboratory RLs and results were reviewed. There were no quantitation anomalies except as noted below.

- Results for several compounds were reported below the reporting limit in all samples with the exception of the trip blanks. The associated results have been flagged "J" for an estimated value.

- Results for dichloromethane, 1,1,1-trichloroethane, and toluene were reported above the calibration range of the instrument. The associated results have been flagged "J" for an estimated value.

4.2.8 Field Duplicate Samples

Field duplicate samples are identified in Table 1. The RPDs were evaluated and were within QAPP criteria. The results are presented in the Field Duplicate Table as Attachment B.

5.0 OVERALL ASSESSMENT FOR DATA SET

There were no rejected VOC analytical results. Based on the available information, the data as qualified are considered useable for their intended purposes.

6.0 RECOMMENDATIONS

There are no recommendations.

Attachment A: Qualified Results Table
Attachment B: Field Duplicate Table

ATTACHMENT A

QUALIFIED RESULTS TABLE

CTS Printex Superfund Site - Phase III June 2010 Sampling

Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Qualifier	New Value	MDL	RL	Units	Reason
1006037-12	1914-COD-SS-02-E3	6/19/2010	AS-N	TO15	trans-1,2-Dichloroethene	J	7.0 J	5.0	9.0	UG/M3	TR
1006037-12RE1	1914-COD-SS-02-E3	6/19/2010	AS-N	TO15	1,1,1-Trichloroethane	J	3000 J	60.0	100	UG/M3	E
1006037-12	1914-COD-SS-02-E3	6/19/2010	AS-N	TO15	1,2,4-Trichlorobenzene	UJ	ND UJ	9.0	20.0	UG/M3	G
1006037-12	1914-COD-SS-02-E3	6/19/2010	AS-N	TO15	Chloroform	J	8.0 J	6.0	10.0	UG/M3	TR
1006037-12	1914-COD-SS-02-E3	6/19/2010	AS-N	TO15	Hexachlorobutadiene	UJ	ND UJ	10.0	20.0	UG/M3	G
1006037-13	1914-COD-SS-03-E3 (can)	6/19/2010	AS-N	TO15	Hexachlorobutadiene	UJ	ND UJ	10.0	20.0	UG/M3	G
1006037-13	1914-COD-SS-03-E3 (can)	6/19/2010	AS-N	TO15	Trichlorofluoromethane	J	10.0 J	6.0	10.0	UG/M3	TR
1006037-13	1914-COD-SS-03-E3 (can)	6/19/2010	AS-N	TO15	Chloroform	J	10.0 J	6.0	10.0	UG/M3	TR
1006037-13	1914-COD-SS-03-E3 (can)	6/19/2010	AS-N	TO15	1,2,4-Trichlorobenzene	UJ	ND UJ	9.0	20.0	UG/M3	G
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	1,1-Dichloroethane	J	7.0 J	5.0	10.0	UG/M3	TR
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	1,2,4-Trichlorobenzene	UJ	ND UJ	9.0	20.0	UG/M3	G
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	1,2,4-Trimethylbenzene	J	8.0 J	6.0	10.0	UG/M3	TR
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	Benzene	J	4.0 J	4.0	8.0	UG/M3	TR
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	cis-1,2-Dichloroethylene	J	6.0 J	5.0	10.0	UG/M3	TR
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	Hexachlorobutadiene	UJ	ND UJ	10.0	30.0	UG/M3	G
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	m,p-Xylene	J	10.0 J	10.0	20.0	UG/M3	TR
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	Toluene	J	6.0 J	5.0	9.0	UG/M3	TR
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	Tentatively Identified Compounds (Not an AFCEE Valid Value)	NJ	100 NJ	0.0000	0.0000	UG/M3	TI
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	Tentatively Identified Compounds (Not an AFCEE Valid Value)	NJ	100 NJ	0.0000	0.0000	UG/M3	TI
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	Tentatively Identified Compounds (Not an AFCEE Valid Value)	NJ	100 NJ	0.0000	0.0000	UG/M3	TI

CTS Printex Superfund Site - Phase III June 2010 Sampling

Qualified Results Table

1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	Tentatively Identified Compounds (Not an AFCEE Valid Value)	NJ	70.0 NJ	0.0000	0.0000	UG/M3	TI
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	Tentatively Identified Compounds (Not an AFCEE Valid Value)	NJ	60.0 NJ	0.0000	0.0000	UG/M3	TI
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	Tentatively Identified Compounds (Not an AFCEE Valid Value)	NJ	500 NJ	0.0000	0.0000	UG/M3	TI
1006037-09	1924-EXCEL-SS-04-E3	6/19/2010	AS-N	TO15	Tentatively Identified Compounds (Not an AFCEE Valid Value)	NJ	100 NJ	0.0000	0.0000	UG/M3	TI
1006037-03	1914-COD-IA-06-E3	6/19/2010	AI-N	TO15	1,1,1-Trichloroethane	J	0.16 J	0.14	0.27	UG/M3	TR
1006037-03	1914-COD-IA-06-E3	6/19/2010	AI-N	TO15	Chloroform	J	0.19 J	0.12	0.24	UG/M3	TR
1006037-04	1914-COD-IA-07-E3	6/19/2010	AI-N	TO15	Chloroform	J	0.19 J	0.12	0.24	UG/M3	TR
1006037-04	1914-COD-IA-07-E3	6/19/2010	AI-N	TO15	Tetrachloroethene (PCE)	J	0.17 J	0.17	0.34	UG/M3	TR
1006037-05	1914-COD-IA-08-E3	6/19/2010	AI-N	TO15	1,1,1-Trichloroethane	J	0.22 J	0.14	0.27	UG/M3	TR
1006037-05	1914-COD-IA-08-E3	6/19/2010	AI-N	TO15	Chloroform	J	0.18 J	0.12	0.24	UG/M3	TR
1006037-02	1914-COD-IA-09-E3	6/19/2010	AI-N	TO15	Chloroform	J	0.18 J	0.12	0.24	UG/M3	TR
1006037-02	1914-COD-IA-09-E3	6/19/2010	AI-N	TO15	1,1,1-Trichloroethane	J	0.14 J	0.14	0.27	UG/M3	TR
1006037-06	1914-COD-IA-10-E3	6/19/2010	AI-FD	TO15	Chloroform	J	0.18 J	0.12	0.24	UG/M3	TR
1006037-06	1914-COD-IA-10-E3	6/19/2010	AI-FD	TO15	1,1,1-Trichloroethane	J	0.22 J	0.14	0.27	UG/M3	TR
1006037-07	1924-EXCEL-IA-12-E3	6/19/2010	AI-N	TO15	1,2-Dichloroethane	J	0.14 J	0.10	0.20	UG/M3	TR
1006037-01	935-OA-02-E3	6/19/2010	AO-N	TO15	Benzene	J	0.14 J	0.080	0.16	UG/M3	TR
1006037-01	935-OA-02-E3	6/19/2010	AO-N	TO15	Chloroform	J	0.14 J	0.12	0.24	UG/M3	TR
1006037-19	935-OA-IA-01-E3	6/20/2010	AO-N	TO15	Chloroform	J	0.15 J	0.12	0.24	UG/M3	TR
1006037-18	935-RD-IA-03-E3	6/20/2010	AI-N	TO15	Chloroform	J	0.22 J	0.12	0.24	UG/M3	TR
1006037-17	935-RD-IA-04-E3	6/20/2010	AI-N	TO15	1,2-Dichloroethane	J	0.12 J	0.10	0.20	UG/M3	TR
1006037-16	935-RD-IA-05-E3	6/20/2010	AI-FD	TO15	1,2-Dichloroethane	J	0.13 J	0.10	0.20	UG/M3	TR
1006037-16	935-RD-IA-05-E3	6/20/2010	AI-FD	TO15	Chloroform	J	0.22 J	0.12	0.24	UG/M3	TR
1006037-14	935-SQ-IA-01-E3	6/20/2010	AI-N	TO15	1,2-Dichloroethane	J	0.11 J	0.10	0.20	UG/M3	TR

CTS Printex Superfund Site - Phase III June 2010 Sampling

Qualified Results Table

1006037-15	935-SQ-IA-02-E3	6/20/2010	AI-N	TO15	1,2-Dichloroethane	J	0.10 J	0.10	0.20	UG/M3	TR

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
AS	SUB-SLAB AIR	N	Normal Environmental Sample
AO	OUTDOOR AIR	N	Normal Environmental Sample
AI	INDOOR AIR	FD	Field Duplicate
AI	INDOOR AIR	N	Normal Environmental Sample

Data Qualifier Definitions

Flag	Description
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

Reason and Comment Code Definitions

Code	Description	Caption
E	Exceeds LinearCalibration Range	Exceeds Cal.
G	Initial Calibration	ICAL
TI	Tentatively Identified Compound	Tentatively Identified Compound
TR	Trace Level Detect	Detect < RL

ATTACHMENT B

FIELD DUPLICATE TABLE

CTS Printex Phase III Sampling Event - June 2010

Field Duplicates for SDG: 10172A

Location	Analysis
1914-COD-IA-08	TO15

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	NAME	Primary Result	FD Result	RL	RPD	RPD Check	RL Check
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	1,1,1-Trichloroethane	0.22	0.22	0.27	0.0000	NA	OK
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	1,1-Dichloroethane	ND	ND	0.20	NA	NA	OK
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	1,1-Dichloroethene	ND	ND	0.20	NA	NA	OK
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	1,2-Dichloroethane	ND	ND	0.20	NA	NA	OK
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	Benzene	1.2	1.2	0.16	0.0000	OK	NA
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	Chloroform	0.18	0.18	0.24	0.0000	NA	OK
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	Methylene Chloride	0.33	0.33	0.17	0.0000	NA	OK
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	Tetrachloroethene (PCE)	ND	ND	0.34	NA	NA	OK
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05RE1 / 1006037-06RE1	Toluene	10.0	9.8	2.8	2.0	NA	OK
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	trans-1,2-Dichloroethene	ND	ND	0.20	NA	NA	OK
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	Trichloroethene (TCE)	0.93	0.94	0.27	1.1	NA	OK
1914-COD-IA-08-E3 / 1914-COD-IA-10-E3	1006037-05 / 1006037-06	Vinyl Chloride	ND	ND	0.13	NA	NA	OK

Loocation	Analysis
935-RD-IA-04	TO15

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	NAME	Primary Result	FD Result	RL	RPD	RPD Check	RL Check
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17RE2 / 1006037-16RE3	1,1,1-Trichloroethane	3.9	3.6	1.6	8.0	NA	OK
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17 / 1006037-16	1,1-Dichloroethane	ND	ND	0.20	NA	NA	OK
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17 / 1006037-16	1,1-Dichloroethene	ND	ND	0.20	NA	NA	OK
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17 / 1006037-16	1,2-Dichloroethane	0.12	0.13	0.20	8.0	NA	OK
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17 / 1006037-16	Benzene	0.29	0.26	0.16	10.9	NA	OK
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17 / 1006037-16	Chloroform	0.28	0.22	0.24	24.0	NA	OK
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17RE2 / 1006037-16RE2	Methylene Chloride	7.2	6.5	1.0	10.2	OK	NA
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17 / 1006037-16	Tetrachloroethene (PCE)	ND	ND	0.34	NA	NA	OK
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17RE1 / 1006037-16RE1	Toluene	30.0	26.0	5.6	14.3	NA	OK
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17 / 1006037-16	trans-1,2-Dichloroethene	ND	ND	0.20	NA	NA	OK
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17 / 1006037-16	Trichloroethene (TCE)	ND	0.30	0.27		NA	OK
935-RD-IA-04-E3 / 935-RD-IA-05-E3	1006037-17 / 1006037-16	Vinyl Chloride	ND	ND	0.13	NA	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Air.

The RPD criteria used for organic analysis is: 30

APPENDIX F

GROUNDWATER ANALYTICAL DATA

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PLANNED SAMPLE TABLE
Former CTS Printex Superfund Site
Mountain View, CA

Sample Location	Sample Media	Sample Depth	EPA ID #	Date	Time	Description	Comment
Monitoring Wells							
7W	GW	13	Y61B9	2/24	1230	MW	
8W	GW	35	Y61B7	2/24	1126	MW	
11W	GW	15	Y5QE9	1/19	1215	MW	
12W	GW	35	Y5QE8	1/19	1135	MW	
13W	GW	15	Y5QE1	1/18	1207	MW	
14W	GW	35	Y5QE3	1/18	1230	MW	
14WMS	GW	35	Y5QE4	1/18	1230	MW	MS
14WMDS	GW	35	Y5QE5	1/18	1230	MW	MSD
17W	GW	26	Y5QA7	1/12	1445	MW	
19W	GW	35	Y5QB1	1/13	1010	MW	
20W	GW	12	Y5QA9	1/13	930	MW	
21W	GW	18	Y61C1	2/24	1400	MW	
22W	GW	15	Y5QE0	1/18	1059	MW	
23W	GW	30	Y5QD9	1/18	1055	MW	
25W	GW	20	Y61C2	2/24	1445	MW	
33W	GW	12	Y5QA2	1/12	1125	MW	
33WMS	GW	12	Y5QA3	1/12	1125	MW	MS
33WMSD	GW	12	Y5QA4	1/12	1125	MW	MSD
34W	GW	13	Y5QA5	1/12	1400	MW	
40W	GW	26	Y5QA8	1/12	1450	MW	DUP (17W primary)
41W	GW	15	Y5QC4	1/14	1115	MW	DUP (TW3-S1 primary)
42W	GW	15	Y5QD6	1/15	1155	MW	DUP (TW4-S3 primary)
43W	GW	15	Y5QE2	1/18	1210	MW	DUP (13W primary)
44W	GW	13	Y61C0	2/24	1240	MW	DUP (7W primary)
D2W	GW	63	Y5QE7	1/19	1057	MW	

PLANNED SAMPLE TABLE
Former CTS Printex Superfund Site
Mountain View, CA

Sample Location	Sample Media	Sample Depth	EPA ID #	Date	Time	Description	Comment
y Wells							
TW1-S1	GW	15	Y5QC5	1/14	1317	TW	
TW1-D1	GW	35	Y5QC6	1/14	1320	TW	
TW2-S1	GW	15	Y5QB3	1/13	1123	TW	
TW2-D1	GW	35	Y5QB2	1/13	1115	TW	
TW2-S2	GW	15	Y5QB4	1/13	1212	TW	
TW2-D2	GW	35	Y5QB5	1/13	1155	TW	
TW2-S3	GW	15	Y5QB6	1/13	1350	TW	
TW2-D3	GW	35	Y5QB7	1/13	1357	TW	
TW3-S1	GW	15	Y5QC3	1/14	1113	TW	
TW3-D1	GW	35	Y5QC7	1/14	1405	TW	
TW3-S2	GW	15	Y5QB8	1/13	1457	TW	
TW3-D2	GW	35	Y5QC2	1/14	1029	TW	
TW3-S3	GW	15	Y5QC0	1/14	938	TW	
TW3-D3	GW	35	Y5QC1	1/14	950	TW	
TW4-S1	GW	15	Y5QC9	1/15	923	TW	
TW4-D1	GW	35	Y5QD0	1/15	927	TW	
TW4-S2	GW	15	Y5QD1	1/15	1038	TW	
TW4-S2MS	GW	15	Y5QD2	1/15	1038	TW	MS
TW4-S2MSD	GW	15	Y5QD3	1/15	1038	TW	MSD
TW4-D2	GW	35	Y5QD4	1/15	1055	TW	
TW4-S3	GW	15	Y5QD5	1/15	1153	TW	
TW4-D3	GW	35	Y5QD7	1/15	1157	TW	
TW5-S1	GW	18	Y61C4	2/25	1000	TW	

PLANNED SAMPLE TABLE
Former CTS Printex Superfund Site
Mountain View, CA

Sample Location	Sample Media	Sample Depth	EPA ID #	Date	Time	Description	Comment
Blanks							
TB-C1	NA	NA	Y5QA6	1/12	900	TB	
TB-C2	NA	NA	Y5QB0	1/13	800	TB	
TB-C3	NA	NA	Y5QB9	1/14	800	TB	
TB-C4	NA	NA	Y5QC8	1/15	800	TB	
TB-C5	NA	NA	Y5QD8	1/18	915	TB	
TB-C6	NA	NA	Y5QE6	1/19	800	TB	
TB-C7	NA	NA	Y5QF0	1/20	1000	TB	
TB-C8	NA	NA	Y61B8	2/24	930	TB	
TB-C9	NA	NA	Y61C3	2/25	800	TB	
MIP/SC Investigation of the potential VOC Source near Well 17W							
MIP1	Soil, GW	40	NA	NA	NA	Grab	Primary
MIP2	Soil, GW	40	NA	NA	NA	Grab	Primary
MIP3	Soil, GW	40	NA	NA	NA	Grab	Primary
MIP4	Soil, GW	40	NA	NA	NA	Grab	Primary
MIP2-1	Soil, GW	40	NA	NA	NA	Grab	Step-out (as needed)
MIP3-1	Soil, GW	40	NA	NA	NA	Grab	Step-out (as needed)
MIP4-1	Soil, GW	40	NA	NA	NA	Grab	Step-out (as needed)
MIP4-2	Soil, GW	40	NA	NA	NA	Grab	Step-out (as needed)
MIP4-3	Soil, GW	40	NA	NA	NA	Grab	Step-out (as needed)
MIP4-4	Soil, GW	40	NA	NA	NA	Grab	Step-out (as needed)
MIP4-1W	GW	40	Y5QF1	1/20	1200	Grab sample from MIP4	
MIP-4-1-GW	GW	40	Y61C5	2/25	1610	Grab sample from MIP4	
MIP-4-1-SS	Soil	40	Y61C6	2/25	1600	Grab sample from MIP4	
MIP-4-4-SG	Air	0	NA	2/25	1650	Grab sample from MIP4	

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

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DAS No:
SDG No:
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Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y5QA2	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL), Y5QA2105 (HCL) (6)	33W	S: 1/12/2010	11:25		
Y5QA3	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	33WMS	S: 1/12/2010	11:25		
Y5QA4	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	33WMSD	S: 1/12/2010	11:25		
Y5QA5	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	34W	S: 1/12/2010	14:00		
Y5QA6	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TB-C1	S: 1/12/2010	9:00		
Y5QA7	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	17W	S: 1/12/2010	14:45		
Y5QA8	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	40W	S: 1/12/2010	14:50		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

CLP TVOA = CLP TCL Trace Volatiles, CLP TVSIM = CLP TCL Trace Volatiles-SIM

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Organic Traffic Report & Chain of Custody Record

Case No: 39358
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SDG No:
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1			
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3			
4			

Sampler Signature:

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Transfer To:
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Unit Price:

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Y5QA2	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL), Y5QA2105 (HCL) (6)	33W	S: 1/12/2010	11:25		
Y5QA3	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	33WMS	S: 1/12/2010	11:25		
Y5QA4	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	33WMSD	S: 1/12/2010	11:25		
Y5QA5	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	34W	S: 1/12/2010	14:00		
Y5QA6	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TB-C1	S: 1/12/2010	9:00		
Y5QA7	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	17W	S: 1/12/2010	14:45		
Y5QA8	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	40W	S: 1/12/2010	14:50		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

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SDG No:
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Unit Price:
Transfer To:
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Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y5QA9	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL), Y5QA2105 (HCL) (6)	20W	S: 1/13/2010	9:30		
Y5QB0	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TB-C2	S: 1/13/2010	8:00		
Y5QB1	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	19W	S: 1/13/2010	10:10		
Y5QB2	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW2-D1	S: 1/13/2010	11:15		
Y5QB3	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW2-S1	S: 1/13/2010	11:23		
Y5QB4	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW2-S2	S: 1/13/2010	12:12		
Y5QB5	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW2-D2	S: 1/13/2010	11:55		
Y5QB6	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW2-S3	S: 1/13/2010	13:50		
Y5QB7	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW2-D3	S: 1/13/2010	13:57		
Y5QB8	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW3-S2	S: 1/13/2010	14:57		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

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4			

Sampler Signature:

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Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y5QB9	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL), Y5QA2105 (HCL) (6)	TB-C3	S: 1/15/2010	8:00		
Y5QC0	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW3-S3	S: 1/14/2010	9:38		
Y5QC1	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW3-D3	S: 1/14/2010	9:50		
Y5QC2	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW3-D2	S: 1/14/2010	10:29		
Y5QC3	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW3-S1	S: 1/14/2010	11:13		
Y5QC4	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	41W	S: 1/14/2010	11:15		
Y5QC5	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW1-S1	S: 1/14/2010	13:17		
Y5QC6	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW1-D1	S: 1/14/2010	13:20		
Y5QC7	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW3-D1	S: 1/14/2010	14:05		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

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Case No:	39358
DAS No:	
SDG No:	L

Date Shipped:	1/15/2010
Carrier Name:	FedEx
Airbill:	
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No:

Unit Price:

Transfer To:

Lab Contract No:

Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y5QC8	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL), Y5QA2105 (HCL) (6)	TB-C4	S: 1/15/2010	8:00		
Y5QC9	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW4-S1	S: 1/15/2010	9:23		
Y5QD0	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW4-D1	S: 1/15/2010	9:27		
Y5QD1	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW4-S2	S: 1/15/2010	10:38		
Y5QD2	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW4-S2MS	S: 1/15/2010	10:38		
Y5QD3	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW4-S2MSD	S: 1/15/2010	10:38		
Y5QD4	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW4-D2	S: 1/15/2010	10:55		
Y5QD5	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW4-S3	S: 1/15/2010	11:53		
Y5QD6	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	42W	S: 1/15/2010	11:55		
Y5QD7	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TW4-D3	S: 1/15/2010	11:57		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ___	Shipment Iced? ___

CLP TVOA = CLP TCL Trace Volatiles, CLP TVSIM = CLP TCL Trace Volatiles-SIM

TR Number: 9-521547831-011510-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 39358
DAS No:
SDG No:
L

Date Shipped:	1/18/2010
Carrier Name:	FedEx
Airbill:	
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y5QD8	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TB-C5	S: 1/18/2010	9:15		
Y5QD9	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	23W	S: 1/18/2010	10:55		
Y5QE0	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	22W	S: 1/18/2010	10:59		
Y5QE1	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	13W	S: 1/18/2010	12:07		
Y5QE2	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	43W	S: 1/18/2010	12:10		
Y5QE3	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	14W	S: 1/18/2010	12:30		
Y5QE4	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	14WMS	S: 1/18/2010	12:30		
Y5QE5	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	14WMSD	S: 1/18/2010	12:30		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___	Shipment Iced? ___

CLP TVOA = CLP TCL Trace Volatiles, CLP TVSIM = CLP TCL Trace Volatiles-SIM

TR Number: 9-521547831-011810-0001

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 39358
DAS No:
SDG No:
L

Date Shipped:	1/19/2010
Carrier Name:	FedEx
Airbill:	
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y5QE6	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TB-C6	S: 1/19/2010 8:00		
Y5QE7	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	D2W	S: 1/19/2010 10:57		
Y5QE8	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	12W	S: 1/19/2010 11:35		
Y5QE9	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	11W	S: 1/19/2010 12:15		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

CLP TVOA = CLP TCL Trace Volatiles, CLP TVSIM = CLP TCL Trace Volatiles-SIM

TR Number: 9-521547831-011910-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 39358
DAS No:
SDG No:
L

Date Shipped:	1/20/2010
Carrier Name:	FedEx
Airbill:	
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y5QF0	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	TB-C7	S: 1/20/2010 10:00		
Y5QF1	Ground Water/ Brian Dee	L/G	CLP TVOA (7), CLP TVSIM (7)	Y5QA2 (HCL) (6)	MIP4-1W	S: 1/20/2010 12:00		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

CLP TVOA = CLP TCL Trace Volatiles, CLP TVSIM = CLP TCL Trace Volatiles-SIM

TR Number: 9-521547831-012010-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 39531
DAS No:
SDG No:
L

Date Shipped:	2/24/2010
Carrier Name:	FedEx
Airbill:	
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y61B7	Ground Water/ Rogerio Leong	L/G	CLP TVOA (21), CLP TVSIM (21)	Y61B7 (HCL) (6)	8W	S: 2/24/2010 11:26		
Y61B8	Ground Water/ Rogerio Leong	L/G	CLP TVOA (21), CLP TVSIM (21)	Y61B7 (HCL) (6)	TB-C8	S: 2/24/2010 9:30		
Y61B9	Ground Water/ Rogerio Leong	L/G	CLP TVOA (21), CLP TVSIM (21)	Y61B7 (HCL) (6)	7W	S: 2/24/2010 12:30		
Y61C0	Ground Water/ Rogerio Leong	L/G	CLP TVOA (21), CLP TVSIM (21)	Y61B7 (HCL) (6)	44W	S: 2/24/2010 12:40		
Y61C1	Ground Water/ Rogerio Leong	L/G	CLP TVOA (21), CLP TVSIM (21)	Y61B7 (HCL) (6)	21W	S: 2/24/2010 14:00		
Y61C2	Ground Water/ Rogerio Leong	L/G	CLP TVOA (21), CLP TVSIM (21)	Y61B7 (HCL), Y61B7105 (HCL) (6)	25W	S: 2/24/2010 14:45		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

CLP TVOA = CLP TCL Trace Volatiles, CLP TVSIM = CLP TCL Trace Volatiles-SIM

TR Number: 9-521547831-030810-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY

ANALYTICAL RESULTS

Table 1A

Case No. : 39358 SDG No. : Y5QA2

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	33W			33WMS			33WMSD			34W			TB-C1			17W		
Sample ID :	Y5QA2			Y5QA3			Y5QA4			Y5QA5			Y5QA6			Y5QA7		
Collection Date :	1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	2.8			2.8			2.7			0.50U	U		0.50U	U		24E	J	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0J	U		5.0J	U		5.0J	U		5.0J	U		5.0U	U		5.0U	U	
Carbon Disulfide	0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.17JB	J		0.50JB	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.34J	J		0.52			0.47J	J		0.44J	J		0.35J	J		0.68		
trans-1,2-Dichloroethene	0.20J	J		0.16J	J		0.19J	J		0.50U	U		0.50U	U		11	J	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	1.7			1.6			1.6			0.19J	J		0.50U	U		27E		
cis-1,2-Dichloroethene	8.3			8.2			8.7			0.79			0.50U	U		230E	J	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.20J	J		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	8.3			8.3			9.4			6.2			0.50U	U		64E		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	33W			33WMS			33WMSD			34W			TB-C1			17W		
Sample ID :	Y5QA2			Y5QA3			Y5QA4			Y5QA5			Y5QA6			Y5QA7		
Collection Date :	1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50J	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.0			5.1			5.2			5.2			5.5			5.6		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	33W			33WMS			33WMSD			34W			TB-C1			17W		
Sample ID :	Y5QA2			Y5QA3			Y5QA4			Y5QA5			Y5QA6			Y5QA7		
Collection Date :	1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.2			5.2			5.2			5.3			5.4			5.6		
1,1-Dichloroethene-d2	5.1			5.2			5.0			4.6			4.6			11		
2-Butanone-d5	45			45			42			41			43			41		
Chloroform-d	5.3			5.3			5.3			5.5			5.7			5.2		
1,2-Dichloroethane-d4	5.4			5.7			5.3			5.4			5.6			5.7		
Benzene-d6	5.5			5.5			5.6			5.5			5.6			5.5		
1,2-Dichloropropane-d6	4.8			4.7			4.9			4.9			4.9			4.8		
Toluene-d8	5.5			5.4			5.5			5.4			5.5			5.5		
trans-1,3-Dichloropropene-d	5.1			4.9			4.9			5.0			5.0			4.7		
2-Hexanone-d5	53			52			50			48			51			52		
1,1,2,2-Tetrachloroethane-d	5.1			5.1			4.9			4.8			5.0			4.9		
1,2-Dichlorobenzene-d4	5.1			5.1			5.0			5.1			5.1			5.0		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	40W			20W			TB-C2			19W			TW2-D1			TW2-S1		
Sample ID :	Y5QA8			Y5QA9			Y5QB0			Y5QB1			Y5QB2			Y5QB3		
Collection Date :	1/12/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	23E	J		1.4			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0JB	U		5.0JB	U		2.3JB	J		5.0JB	U		5.0JB	U		5.0JB	U	
Carbon Disulfide	0.50JB	U		0.50JB	U		0.19JB	J		0.50JB	U		0.50JB	U		0.50JB	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.58			0.66			0.40J	J		0.78			0.59			0.80		
trans-1,2-Dichloroethene	10	J		0.11J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	26E			2.4			0.50U	U		0.41J	J		0.10J	J		0.13J	J	
cis-1,2-Dichloroethene	230E	J		5.9			0.50U	U		0.50U	U		0.26J	J		0.66		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.45J	J		0.50U	U		0.054J	J		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	65E			7.0			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	40W			20W			TB-C2			19W			TW2-D1			TW2-S1		
Sample ID :	Y5QA8			Y5QA9			Y5QB0			Y5QB1			Y5QB2			Y5QB3		
Collection Date :	1/12/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50J	U		0.50J	U		0.50U	U		0.50J	U		0.50J	U		0.50J	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.4			5.3			5.5			5.5			5.4			5.4		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	40W			20W			TB-C2			19W			TW2-D1			TW2-S1		
Sample ID :	Y5QA8			Y5QA9			Y5QB0			Y5QB1			Y5QB2			Y5QB3		
Collection Date :	1/12/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.2			5.5			5.5			5.5			5.4			5.5		
1,1-Dichloroethene-d2	10			4.9			4.7			5.0			4.6			4.7		
2-Butanone-d5	40			43			43			40			46			43		
Chloroform-d	5.2			5.4			5.8			5.8			5.7			5.6		
1,2-Dichloroethane-d4	5.5			5.6			5.8			5.6			5.7			5.7		
Benzene-d6	5.6			5.5			5.6			5.7			5.5			5.6		
1,2-Dichloropropane-d6	4.8			4.8			5.0			5.1			4.9			5.0		
Toluene-d8	5.5			5.5			5.4			5.7			5.4			5.5		
trans-1,3-Dichloropropene-d	4.8			5.1			5.0			5.0			4.8			4.9		
2-Hexanone-d5	52			52			51			50			55			51		
1,1,2,2-Tetrachloroethane-d	4.9			5.1			4.9			5.0			5.1			4.9		
1,2-Dichlorobenzene-d4	5.0			5.1			5.1			5.1			4.9			5.2		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QA2
Site : CTS PRINTEX, INC
Lab : COMPUCHEM
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW2-S2			TW2-D2			TW2-S3			TW2-D3			TW3-S2					
Sample ID :	Y5QB4			Y5QB5			Y5QB6			Y5QB7			Y5QB8			Y5QB8MS		
Collection Date :	1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0JB	U		5.0JB	U		5.0U	U		5.0U	U		5.0JB	U		5.0U	U	
Carbon Disulfide	0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.73			0.75			0.63			0.46J	J		0.53			0.51		
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.15J	J		0.12J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	1.8			0.12J	J		1.7			0.50U	U		0.84			0.94		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.052J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.1		
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.77			0.50U	U		3.9			0.50U	U		1.1			6.5		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW2-S2			TW2-D2			TW2-S3			TW2-D3			TW3-S2					
Sample ID :	Y5QB4			Y5QB5			Y5QB6			Y5QB7			Y5QB8			Y5QB8MS		
Collection Date :	1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50J	U		0.50J	U		0.50J	U		0.50J	U		0.50J	U		5.5		
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		4.8		
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.5			5.3			5.3			5.6			5.4			3.7		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW2-S2			TW2-D2			TW2-S3			TW2-D3			TW3-S2					
Sample ID :	Y5QB4			Y5QB5			Y5QB6			Y5QB7			Y5QB8			Y5QB8MS		
Collection Date :	1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.4			5.4			5.3			5.5			5.3			3.7		
1,1-Dichloroethene-d2	4.7			4.3			4.7			4.2			4.8			4.6		
2-Butanone-d5	45			45			45			43			41			32		
Chloroform-d	5.6			5.8			5.8			5.7			5.7			4.1		
1,2-Dichloroethane-d4	5.8			5.7			5.7			5.6			5.6			4.0		
Benzene-d6	5.5			5.6			5.6			5.5			5.5			4.4		
1,2-Dichloropropane-d6	5.0			5.0			4.9			4.9			4.8			3.7		
Toluene-d8	5.4			5.5			5.5			5.5			5.5			4.4		
trans-1,3-Dichloropropene-d	5.1			4.8			5.0			4.9			4.7			3.8		
2-Hexanone-d5	54			55			55			54			49			36		
1,1,2,2-Tetrachloroethane-d	5.3			5.2			5.2			5.1			4.7			3.2		
1,2-Dichlorobenzene-d4	5.0			5.0			5.0			5.0			4.8			5.5		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QB8MSD			VBLKEF			VBLKEG			VBLKEH			VHBLKZI			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromomethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1-Dichloroethene	4.8			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Acetone	5.0J	U		5.0U	U		1.0J	J		5.0U	U		1.7JB	J		5.0		
Carbon Disulfide	0.50JB	U		0.17J	J		0.15J	J		0.12J	J		0.16JB	J		0.50		
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methylene chloride	0.60			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
cis-1,2-Dichloroethene	0.78			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Cyclohexane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Benzene	5.0			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Trichloroethene	6.1			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methylcyclohexane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QB8MSD			VBLKEF			VBLKEG			VBLKEH			VHBLKZI			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromodichloromethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Toluene	5.3			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chlorobenzene	4.7			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2,2-Tetrachloroethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dibromo-3-chloropropan	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Vinyl chloride-d3	3.7			5.3			5.6			4.7			5.8			NA		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QB8MSD			VBLKEF			VBLKEG			VBLKEH			VHBLKZI			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	3.7			5.3			5.5			4.5			5.8			NA		
1,1-Dichloroethene-d2	4.5			4.7			4.1			3.9			4.3			NA		
2-Butanone-d5	35			45			44			39			42			NA		
Chloroform-d	4.1			5.5			5.5			4.5			5.8			NA		
1,2-Dichloroethane-d4	4.1			5.4			5.4			4.6			5.5			NA		
Benzene-d6	4.3			5.6			5.6			5.1			5.5			NA		
1,2-Dichloropropane-d6	3.8			5.0			5.1			4.5			5.0			NA		
Toluene-d8	4.2			5.5			5.5			5.0			5.5			NA		
trans-1,3-Dichloropropene-d	3.8			4.9			4.9			3.9			4.7			NA		
2-Hexanone-d5	41			49			49			46			47			NA		
1,1,2,2-Tetrachloroethane-d	3.5			5.1			4.8			4.1			4.8			NA		
1,2-Dichlorobenzene-d4	5.5			5.1			5.0			5.5			5.2			NA		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank																	
Sample ID :	VHBLKZIRE			Y5QA7DL			Y5QA8DL											
Collection Date :																		
Dilution Factor :	1.0			25.0			25.0											
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		13U	U		13U	U										
Chloromethane	0.50U	U		13U	U		13U	U										
Vinyl chloride	0.50U	U		13U	U		13U	U										
Bromomethane	0.50U	UJ		13U	U		13U	U										
Chloroethane	0.50U	U		13U	U		13U	U										
Trichlorofluoromethane	0.50U	U		13U	U		13U	U										
1,1-Dichloroethene	0.50U	U		31D			33D											
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		13U	U		13U	U										
Acetone	1.6J	J		130U	U		130U	U										
Carbon Disulfide	0.17JB	J		13JBD	U		13JBD	U										
Methyl acetate	0.50U	U		13U	U		13U	U										
Methylene chloride	0.50U	U		13U	U		13U	U										
trans-1,2-Dichloroethene	0.50U	U		10JD	J		11JD	J										
Methyl tert-butyl ether	0.50U	U		13U	U		13U	U										
1,1-Dichloroethane	0.50U	U		30D			31D											
cis-1,2-Dichloroethene	0.50U	U		330D			340D											
2-Butanone	5.0U	U		130U	U		130U	U										
Bromochloromethane	0.50U	U		13U	U		13U	U										
Chloroform	0.50U	U		13U	U		13U	U										
1,1,1-Trichloroethane	0.50U	U		13U	U		13U	U										
Cyclohexane	0.50U	U		13U	U		13U	U										
Carbon tetrachloride	0.50U	U		13U	U		13U	U										
Benzene	0.50U	U		13U	U		13U	U										
1,2-Dichloroethane	0.50U	U		13U	U		13U	U										
Trichloroethene	0.50U	U		79D			75D											
Methylcyclohexane	0.50U	U		13U	U		13U	U										

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank																	
Sample ID :	VHBLKZIRE			Y5QA7DL			Y5QA8DL											
Collection Date :																		
Dilution Factor :	1.0			25.0			25.0											
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		13U	U		13U	U										
Bromodichloromethane	0.50U	U		13U	U		13U	U										
cis-1,3-Dichloropropene	0.50U	U		13U	U		13U	U										
4-Methyl-2-pentanone	5.0U	U		130U	U		130U	U										
Toluene	0.036J	J		13U	U		13U	U										
trans-1,3-Dichloropropene	0.50U	U		13U	U		13U	U										
1,1,2-Trichloroethane	0.50U	U		13U	U		13U	U										
Tetrachloroethene	0.50U	U		13U	U		13U	U										
2-Hexanone	5.0U	U		130U	U		130U	U										
Dibromochloromethane	0.50U	U		13U	U		13U	U										
1,2-Dibromoethane	0.50U	U		13U	U		13U	U										
Chlorobenzene	0.50U	U		13U	U		13U	U										
Ethylbenzene	0.50U	U		13U	U		13U	U										
o-Xylene	0.50U	U		13U	U		13U	U										
m,p-Xylene	0.50U	U		13U	U		13U	U										
Styrene	0.50U	U		13U	U		13U	U										
Bromoform	0.50U	U		13U	U		13U	U										
Isopropylbenzene	0.50U	U		13U	U		13U	U										
1,1,2,2-Tetrachloroethane	0.50U	U		13U	U		13U	U										
1,3-Dichlorobenzene	0.50U	U		13U	U		13U	U										
1,4-Dichlorobenzene	0.50U	U		13U	U		13U	U										
1,2-Dichlorobenzene	0.50U	U		13U	U		13U	U										
1,2-Dibromo-3-chloropropan	0.50U	U		13U	U		13U	U										
1,2,4-Trichlorobenzene	0.50U	U		13U	U		13U	U										
1,2,3-Trichlorobenzene	0.50U	U		13U	U		13U	U										
Vinyl chloride-d3	4.7			5.5			5.6											

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank																	
Sample ID :	VHBLKZIRE			Y5QA7DL			Y5QA8DL											
Collection Date :																		
Dilution Factor :	1.0			25.0			25.0											
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.8			5.6			5.7											
1,1-Dichloroethene-d2	4.3			5.0			5.0											
2-Butanone-d5	41			40			46											
Chloroform-d	5.2			5.5			5.5											
1,2-Dichloroethane-d4	5.4			5.5			5.9											
Benzene-d6	5.1			5.7			5.5											
1,2-Dichloropropane-d6	4.6			5.0			5.0											
Toluene-d8	4.9			5.6			5.4											
trans-1,3-Dichloropropene-d	4.5			5.0			5.0											
2-Hexanone-d5	54			52			54											
1,1,2,2-Tetrachloroethane-d	4.7			5.1			5.3											
1,2-Dichlorobenzene-d4	5.5			5.0			5.1											

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	33W			33WMS			33WMSD			34W			TB-C1			17W		
Sample ID :	Y5QA2			Y5QA3			Y5QA4			Y5QA5			Y5QA6			Y5QA7		
Collection Date :	1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.096J	R		0.095J	R		0.095J	R		0.10U	R		0.10U	R		0.24	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

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NA - Not Analyzed

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TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	40W			20W			TB-C2			19W			TW2-D1			TW2-S1		
Sample ID :	Y5QA8			Y5QA9			Y5QB0			Y5QB1			Y5QB2			Y5QB3		
Collection Date :	1/12/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.25	R		0.043J	R		0.10U	R		0.10U	R		0.10U	R		0.10U	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	TW2-S2			TW2-D2			TW2-S3			TW2-D3			TW3-S2			Method Blank		
Sample ID :	Y5QB4			Y5QB5			Y5QB6			Y5QB7			Y5QB8			VBLKNQ		
Collection Date :	1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.079J	R		0.10U	R		0.039J	R		0.10U	R		0.038J	R		0.10U	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	Method Blank																	
Sample ID :	VHBLKZJ			CRQL														
Collection Date :																		
Dilution Factor :	1.0																	
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	R		0.10														

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C3			TW3-S3			TW3-D3			TW3-D2			TW3-S1			41W		
Sample ID :	Y5QB9			Y5QC0			Y5QC1			Y5QC2			Y5QC3			Y5QC4		
Collection Date :	1/15/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	2.6J	J		5.0J	U		5.0B	U		5.0U	U		5.0J	U		5.0J	U	
Carbon Disulfide	0.50U	U		0.083J	J		0.12J	J		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.43J	J		0.50	U		0.50J	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.18J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		1.6			1.3			0.50U	U		0.87			0.86		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.11JB	J		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.12J	J		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		2.6			0.75			0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C3			TW3-S3			TW3-D3			TW3-D2			TW3-S1			41W		
Sample ID :	Y5QB9			Y5QC0			Y5QC1			Y5QC2			Y5QC3			Y5QC4		
Collection Date :	1/15/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.033J	J		0.11J	J		0.19J	J		0.072J	J		0.063J	J		0.057J	J	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.8			6.6			6.9			6.4			6.6			6.6		

ANALYTICAL RESULTS

Table 1A

Case No. : 39358 SDG No. : Y5QB9

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C3			TW3-S3			TW3-D3			TW3-D2			TW3-S1			41W		
Sample ID :	Y5QB9			Y5QC0			Y5QC1			Y5QC2			Y5QC3			Y5QC4		
Collection Date :	1/15/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.7			6.6			6.1			6.3			6.2			6.3		
1,1-Dichloroethene-d2	4.2			4.3			4.1			4.2			4.2			4.2		
2-Butanone-d5	40			39			26			42			41			41		
Chloroform-d	5.3			5.3			4.9			5.3			5.4			5.4		
1,2-Dichloroethane-d4	5.3			5.4			4.4			5.4			5.4			5.5		
Benzene-d6	5.5			4.9			4.8			5.1			5.0			4.9		
1,2-Dichloropropane-d6	5.0			4.6			4.1			4.8			4.7			4.5		
Toluene-d8	5.5			5.2			4.9			5.3			5.2			5.2		
trans-1,3-Dichloropropene-d	5.1			4.7			3.7			4.9			4.8			4.7		
2-Hexanone-d5	42			46			30			49			48			48		
1,1,2,2-Tetrachloroethane-d	4.9			5.2			3.9			5.1			5.1			5.1		
1,2-Dichlorobenzene-d4	5.2			5.3			4.5			5.3			5.5			5.3		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW1-S1			TW1-D1			TW3-D1			TB-C4			TW4-S1			TW4-D1		
Sample ID :	Y5QC5			Y5QC6			Y5QC7			Y5QC8			Y5QC9			Y5QD0		
Collection Date :	1/14/2010			1/14/2010			1/14/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.56			0.50U	U		1.7			0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0J	U		5.0J	U		5.0J	U		2.4J	J		3.0J	J		5.0J	U	
Carbon Disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.14J	J		0.50U	U		0.44J	J		0.50U	U		1.4			0.54		
cis-1,2-Dichloroethene	1.7			1.2			0.44J	J		0.50U	U		2.0			0.31J	J	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.15J	J		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50JB	U		0.50JB	U		0.50JB	U		0.089JB	J		0.10JB	J		0.50JB	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	4.4			2.7			0.50U	U		0.50U	U		4.7			0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW1-S1			TW1-D1			TW3-D1			TB-C4			TW4-S1			TW4-D1		
Sample ID :	Y5QC5			Y5QC6			Y5QC7			Y5QC8			Y5QC9			Y5QD0		
Collection Date :	1/14/2010			1/14/2010			1/14/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.050J	J		0.45J	J		0.057J	J		0.50U	U		0.048J	J		0.047J	J	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	6.3			7.1			7.0			6.2			6.6			6.6		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW1-S1			TW1-D1			TW3-D1			TB-C4			TW4-S1			TW4-D1		
Sample ID :	Y5QC5			Y5QC6			Y5QC7			Y5QC8			Y5QC9			Y5QD0		
Collection Date :	1/14/2010			1/14/2010			1/14/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	6.4			6.7			6.3			6.0			6.3			6.3		
1,1-Dichloroethene-d2	4.2			4.4			4.4			4.2			4.7			4.3		
2-Butanone-d5	42			39			42			40			41			44		
Chloroform-d	5.4			5.4			5.5			5.6			5.7			5.7		
1,2-Dichloroethane-d4	5.3			5.2			5.6			5.6			5.6			5.8		
Benzene-d6	5.2			4.8			5.2			5.5			5.2			5.4		
1,2-Dichloropropane-d6	4.9			4.5			4.8			5.0			5.0			5.1		
Toluene-d8	5.4			5.2			5.3			5.4			5.2			5.4		
trans-1,3-Dichloropropene-d	4.8			4.7			4.9			5.1			4.8			5.0		
2-Hexanone-d5	48			47			50			46			46			50		
1,1,2,2-Tetrachloroethane-d	5.0			5.2			5.2			5.0			5.1			5.3		
1,2-Dichlorobenzene-d4	5.5			5.3			5.3			5.4			5.4			5.4		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-S2			TW4-S2MS			TW4-S2MSD			TW4-D2			TW4-S3			42W		
Sample ID :	Y5QD1			Y5QD2			Y5QD3			Y5QD4			Y5QD5			Y5QD6		
Collection Date :	1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0J	U		5.0J	U		5.0JB	U		5.0JB	U		5.0JB	U		5.0JB	U	
Carbon Disulfide	0.50U	U		0.50U	U		0.054J	J		0.046J	J		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		1.1			1.0			0.50	U		0.50	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-S2			TW4-S2MS			TW4-S2MSD			TW4-D2			TW4-S3			42W		
Sample ID :	Y5QD1			Y5QD2			Y5QD3			Y5QD4			Y5QD5			Y5QD6		
Collection Date :	1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.052J	J		0.059J	J		0.11J	J		0.11J	J		0.26J	J		0.17J	J	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	7.0			6.6			6.0			5.6			6.0			6.2		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-S2			TW4-S2MS			TW4-S2MSD			TW4-D2			TW4-S3			42W		
Sample ID :	Y5QD1			Y5QD2			Y5QD3			Y5QD4			Y5QD5			Y5QD6		
Collection Date :	1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	6.4			6.5			5.9			5.4			5.6			5.9		
1,1-Dichloroethene-d2	4.4			4.2			3.9			3.7			3.9			3.9		
2-Butanone-d5	38			41			35			34			34			36		
Chloroform-d	5.6			5.6			5.1			4.9			5.0			5.1		
1,2-Dichloroethane-d4	5.5			5.9			4.8			4.7			4.8			4.8		
Benzene-d6	5.2			5.4			4.8			4.9			4.9			4.8		
1,2-Dichloropropane-d6	4.9			5.0			4.6			4.4			4.4			4.5		
Toluene-d8	5.3			5.5			4.8			4.8			4.9			4.9		
trans-1,3-Dichloropropene-d	4.9			4.9			4.3			4.4			4.4			4.5		
2-Hexanone-d5	46			47			37			37			37			41		
1,1,2,2-Tetrachloroethane-d	5.1			5.0			4.2			4.2			4.2			4.3		
1,2-Dichlorobenzene-d4	5.3			5.3			4.6			4.5			4.7			4.9		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-D3									Method Blank			Method Blank			Method Blank		
Sample ID :	Y5QD7			Y5QD2MS			Y5QD2MSD			VBLKBP			VBLKBQ			VHBLKZQ		
Collection Date :	1/15/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		6.0			5.3	J		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0JB	U		5.0JB	U		5.0JB	U		5.0U	U		2.1J	J		2.5JB	J	
Carbon Disulfide	0.078J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50J	U		1.1			1.1			0.50U	U		0.50U	U		0.51		
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50JB	U		0.50JB	U		0.50JB	U		0.099J	J		0.077J	J		0.095JB	J	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		5.9	J		4.9	J		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		5.7	J		4.8	J		0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-D3									Method Blank			Method Blank			Method Blank		
Sample ID :	Y5QD7			Y5QD2MS			Y5QD2MSD			VBLKBP			VBLKBQ			VHBLKZQ		
Collection Date :	1/15/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.11J	J		6.1	J		5.1	J		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		5.7	J		4.9	J		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.8			5.1			6.0			5.5			6.1			5.5		

ANALYTICAL RESULTS

Table 1A

Case No. : 39358 SDG No. : Y5QB9

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-D3									Method Blank			Method Blank			Method Blank		
Sample ID :	Y5QD7			Y5QD2MS			Y5QD2MSD			VBLKBP			VBLKBQ			VHBLKZQ		
Collection Date :	1/15/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.5			4.9			5.7			5.2			6.0			5.2		
1,1-Dichloroethene-d2	3.8			4.9			5.3			4.1			4.1			3.7		
2-Butanone-d5	34			31			37			41			39			33		
Chloroform-d	4.9			4.4			5.2			5.0			5.4			4.8		
1,2-Dichloroethane-d4	4.9			4.4			5.1			5.2			5.4			4.7		
Benzene-d6	4.8			4.5			5.1			5.3			5.4			5.1		
1,2-Dichloropropane-d6	4.5			4.3			4.9			4.8			5.0			4.7		
Toluene-d8	4.8			4.4			5.2			5.3			5.4			5.1		
trans-1,3-Dichloropropene-d	4.3			4.3			5.1			5.0			5.1			4.5		
2-Hexanone-d5	36			37			44			47			45			37		
1,1,2,2-Tetrachloroethane-d	4.2			4.0			4.8			5.0			4.8			4.2		
1,2-Dichlorobenzene-d4	4.6			4.6			5.1			5.2			5.1			4.6		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	CRQL																	
Collection Date :																		
Dilution Factor :																		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50																	
Chloromethane	0.50																	
Vinyl chloride	0.50																	
Bromomethane	0.50																	
Chloroethane	0.50																	
Trichlorofluoromethane	0.50																	
1,1-Dichloroethene	0.50																	
1,1,2-Trichloro-1,2,2-trifluoro	0.50																	
Acetone	5.0																	
Carbon Disulfide	0.50																	
Methyl acetate	0.50																	
Methylene chloride	0.50																	
trans-1,2-Dichloroethene	0.50																	
Methyl tert-butyl ether	0.50																	
1,1-Dichloroethane	0.50																	
cis-1,2-Dichloroethene	0.50																	
2-Butanone	5.0																	
Bromochloromethane	0.50																	
Chloroform	0.50																	
1,1,1-Trichloroethane	0.50																	
Cyclohexane	0.50																	
Carbon tetrachloride	0.50																	
Benzene	0.50																	
1,2-Dichloroethane	0.50																	
Trichloroethene	0.50																	
Methylcyclohexane	0.50																	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	CRQL																	
Collection Date :																		
Dilution Factor :																		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50																	
Bromodichloromethane	0.50																	
cis-1,3-Dichloropropene	0.50																	
4-Methyl-2-pentanone	5.0																	
Toluene	0.50																	
trans-1,3-Dichloropropene	0.50																	
1,1,2-Trichloroethane	0.50																	
Tetrachloroethene	0.50																	
2-Hexanone	5.0																	
Dibromochloromethane	0.50																	
1,2-Dibromoethane	0.50																	
Chlorobenzene	0.50																	
Ethylbenzene	0.50																	
o-Xylene	0.50																	
m,p-Xylene	0.50																	
Styrene	0.50																	
Bromoform	0.50																	
Isopropylbenzene	0.50																	
1,1,2,2-Tetrachloroethane	0.50																	
1,3-Dichlorobenzene	0.50																	
1,4-Dichlorobenzene	0.50																	
1,2-Dichlorobenzene	0.50																	
1,2-Dibromo-3-chloropropan	0.50																	
1,2,4-Trichlorobenzene	0.50																	
1,2,3-Trichlorobenzene	0.50																	
Vinyl chloride-d3	NA																	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	CRQL																	
Collection Date :																		
Dilution Factor :																		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	NA																	
1,1-Dichloroethene-d2	NA																	
2-Butanone-d5	NA																	
Chloroform-d	NA																	
1,2-Dichloroethane-d4	NA																	
Benzene-d6	NA																	
1,2-Dichloropropane-d6	NA																	
Toluene-d8	NA																	
trans-1,3-Dichloropropene-d	NA																	
2-Hexanone-d5	NA																	
1,1,2,2-Tetrachloroethane-d	NA																	
1,2-Dichlorobenzene-d4	NA																	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TB-C3			TW3-S3			TW3-D3			TW3-D2			TW3-S1			41W		
Sample ID :	Y5QB9			Y5QC0			Y5QC1			Y5QC2			Y5QC3			Y5QC4		
Collection Date :	1/15/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.048J	J		0.10U	U		0.10U	U		0.12			0.055J	J	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TW1-S1			TW1-D1			TW3-D1			TB-C4			TW4-S1			TW4-D1		
Sample ID :	Y5QC5			Y5QC6			Y5QC7			Y5QC8			Y5QC9			Y5QD0		
Collection Date :	1/14/2010			1/14/2010			1/14/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	R		0.10U	U		0.10U	U		0.10U	U		0.065J	J		0.041J	J	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TW4-S2			TW4-S2MS			TW4-S2MSD			TW4-D2			TW4-S3			42W		
Sample ID :	Y5QD1			Y5QD2			Y5QD3			Y5QD4			Y5QD5			Y5QD6		
Collection Date :	1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TW4-D3			Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QD7			VBLKNS			VBLKNT			VBLKNV			VHBLKZQ			CRQL		
Collection Date :	1/15/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.10U	U		0.10U	U		0.10U	R		0.10U	R		0.10		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :																		
Sample ID :	Y5QC4RE			Y5QC5RE														
Collection Date :																		
Dilution Factor :	1.0			1.0														
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.054J	J		0.037J	J													

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8			Y5QD9			Y5QE0			Y5QE1			Y5QE2			Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		3.0			1.3			0.50U	U		0.50U	U		1.2		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	1.1J	J		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon Disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		4.8			1.1			0.55			0.60			0.60		
cis-1,2-Dichloroethene	0.50U	U		16			4.6			2.4			2.6			3.5		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50			0.12J	J		0.50U	U		0.50U	U		0.72		
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		7.3			7.9			0.51			0.48J	J		19		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8			Y5QD9			Y5QE0			Y5QE1			Y5QE2			Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.9			4.6			4.5			4.6			4.6			4.7		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8			Y5QD9			Y5QE0			Y5QE1			Y5QE2			Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.9			4.9			4.9			4.8			4.9			5.0		
1,1-Dichloroethene-d2	4.6			4.4			4.0			3.8			3.6			3.8		
2-Butanone-d5	44			43			44			47			47			46		
Chloroform-d	5.2			5.0			5.1			5.2			5.2			5.3		
1,2-Dichloroethane-d4	5.0			5.1			5.1			5.3			5.3			5.2		
Benzene-d6	5.1			4.9			5.0			5.0			5.0			5.1		
1,2-Dichloropropane-d6	4.7			4.5			4.5			4.7			4.7			4.4		
Toluene-d8	5.0			5.0			5.0			4.9			5.0			5.0		
trans-1,3-Dichloropropene-d	4.8			4.7			4.7			4.8			4.9			4.8		
2-Hexanone-d5	44			44			43			46			47			45		
1,1,2,2-Tetrachloroethane-d	4.5			4.6			4.5			4.8			4.9			4.7		
1,2-Dichlorobenzene-d4	4.7			4.6			4.6			4.5			4.8			4.6		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6			Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	1.6			1.3			0.50U	U		0.50U	U		0.50U	U		2.8		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	1.6J	J		1.8J	J		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon Disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.63			0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		1.3		
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.53			0.59			0.50U	U		0.50U	U		1.7			5.6		
cis-1,2-Dichloroethene	3.3			3.5			0.50U	U		0.50U	U		3.8			35E		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.75			0.71			0.50U	U		0.50U	U		0.82			0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	20			19			0.50U	U		0.50U	U		16			9.7		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6			Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.065J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.6			4.8			5.0			4.9			4.8			4.8		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6			Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.7			5.2			5.2			5.1			5.2			5.2		
1,1-Dichloroethene-d2	5.0			4.0			3.5			3.7			3.8			4.4		
2-Butanone-d5	35			46			46			46			47			46		
Chloroform-d	5.0			5.3			5.4			5.4			5.3			5.0		
1,2-Dichloroethane-d4	4.5			5.4			5.4			5.4			5.4			5.4		
Benzene-d6	5.2			5.1			5.1			5.1			5.0			4.9		
1,2-Dichloropropane-d6	4.3			4.4			4.8			4.8			4.4			4.4		
Toluene-d8	5.1			5.0			5.0			5.0			4.9			4.9		
trans-1,3-Dichloropropene-d	4.4			4.8			4.8			4.7			4.8			4.8		
2-Hexanone-d5	36			46			46			45			46			46		
1,1,2,2-Tetrachloroethane-d	3.9			4.8			4.8			4.7			4.8			4.9		
1,2-Dichlorobenzene-d4	4.5			4.6			4.8			4.6			4.7			4.7		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C7			MIP4-1W									Method Blank			Method Blank		
Sample ID :	Y5QF0			Y5QF1			Y5QE4MS			Y5QE4MSD			VBLKEL			VBLKEN		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		7.0			6.1			6.1	J		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		1.1J	J		1.5J	J		5.0U	U		5.0U	U		5.0U	U	
Carbon Disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		9.1			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		9.3			0.53			0.55			0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		70E			3.2			3.4	J		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.17J	J		0.65			0.64			0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		5.1			4.8			0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		37E			22E	J		21E	J		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C7			MIP4-1W									Method Blank			Method Blank		
Sample ID :	Y5QF0			Y5QF1			Y5QE4MS			Y5QE4MSD			VBLKEL			VBLKEN		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		5.1			4.8			0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		5.3			5.1			0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.16J	J		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.17J	J		0.50U	U	
Vinyl chloride-d3	5.1			4.6			4.3			4.5			5.2			5.1		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C7			MIP4-1W									Method Blank			Method Blank		
Sample ID :	Y5QF0			Y5QF1			Y5QE4MS			Y5QE4MSD			VBLKEL			VBLKEN		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.0			5.1			4.8			4.8			5.0			5.0		
1,1-Dichloroethene-d2	3.6			4.9			5.2			5.3			3.8			3.4		
2-Butanone-d5	41			44			43			43			48			47		
Chloroform-d	5.3			5.0			5.0			5.1			5.4			5.4		
1,2-Dichloroethane-d4	5.0			5.3			4.8			4.9			5.3			5.4		
Benzene-d6	5.0			4.9			5.1			4.9			5.3			5.0		
1,2-Dichloropropane-d6	4.6			4.3			4.5			4.3			4.8			4.9		
Toluene-d8	5.0			4.8			4.9			5.0			5.1			5.0		
trans-1,3-Dichloropropene-d	4.6			4.7			4.7			4.7			5.0			4.5		
2-Hexanone-d5	40			44			44			44			49			47		
1,1,2,2-Tetrachloroethane-d	4.4			4.7			4.5			4.5			4.9			4.9		
1,2-Dichlorobenzene-d4	4.6			4.6			4.5			4.6			4.7			4.6		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKEP			VHBLKZR			CRQL			Y5QE9DL			Y5QF1DL					
Collection Date :																		
Dilution Factor :	1.0			1.0						2.5			8.3					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Chloromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Vinyl chloride	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Bromomethane	0.50U	U		0.50U	U		0.50			1.3U	R		4.2U	R				
Chloroethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50			3.9D			7.5D					
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Acetone	5.0U	U		5.0U	U		5.0			2.4JD	J		42U	U				
Carbon Disulfide	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Methyl acetate	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Methylene chloride	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50			1.3DJ	J		9.7D					
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50			6.0D			10D					
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50			40D			95D					
2-Butanone	5.0U	U		5.0U	U		5.0			13U	U		42U	U				
Bromochloromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Chloroform	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Cyclohexane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Carbon tetrachloride	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Benzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Trichloroethene	0.50U	U		0.50U	U		0.50			11D			53D					
Methylcyclohexane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKEP			VHBLKZR			CRQL			Y5QE9DL			Y5QF1DL					
Collection Date :																		
Dilution Factor :	1.0			1.0						2.5			8.3					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Bromodichloromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0			13U	U		42U	U				
Toluene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Tetrachloroethene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
2-Hexanone	5.0U	U		5.0U	U		5.0			13U	U		42U	U				
Dibromochloromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Chlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Ethylbenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
o-Xylene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
m,p-Xylene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Styrene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Bromoform	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Isopropylbenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Vinyl chloride-d3	5.2			5.3			NA			4.7			4.8					

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKEP			VHBLKZR			CRQL			Y5QE9DL			Y5QF1DL					
Collection Date :																		
Dilution Factor :	1.0			1.0						2.5			8.3					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.1			5.3			NA			5.0			5.0					
1,1-Dichloroethene-d2	4.2			4.2			NA			5.1			3.7					
2-Butanone-d5	44			43			NA			39			45					
Chloroform-d	5.1			5.4			NA			4.9			5.2					
1,2-Dichloroethane-d4	5.0			5.2			NA			5.1			5.4					
Benzene-d6	5.4			5.4			NA			5.0			4.8					
1,2-Dichloropropane-d6	4.8			4.8			NA			4.5			4.4					
Toluene-d8	5.3			5.2			NA			5.0			4.8					
trans-1,3-Dichloropropene-d	5.1			4.9			NA			4.6			4.6					
2-Hexanone-d5	50			48			NA			39			43					
1,1,2,2-Tetrachloroethane-d	4.9			4.8			NA			4.2			4.6					
1,2-Dichlorobenzene-d4	4.8			4.8			NA			4.6			4.4					

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8			Y5QD9			Y5QE0			Y5QE1			Y5QE2			Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	R		0.060J	R		0.052J	R		0.056J	R		0.050J	R		0.082J	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6			Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.082J	R		0.079J	R		0.10U	R		0.10U	R		0.10U	R		0.10U	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TB-C7			MIP4-1W			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QF0			Y5QF1			VBLKNV			VBLKNX			VHBLKZS			CRQL		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.15			0.10U	R		0.10U	U		0.10U	U		0.10		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/kg (Dry Weight)

Analysis Type : Low Level Soil Samples for Volatiles

Station Location :	MIP-4-1-SS									Method Blank			Method Blank					
Sample ID :	Y61C5			Y61C5MS			Y61C5MSD			VBLKS1			VHBLKS1			CRQL		
Collection Date :	2/25/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Chloromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Vinyl chloride	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Bromomethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Chloroethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Trichlorofluoromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,1-Dichloroethene	6.1U	U		47			41			5.0U	U		5.0U	U		5.0		
1,1,2-Trichloro-1,2,2-trifluoro	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Acetone	12JB	U		11JB	U		9.6U	U		5.3J	J		10U	U		10		
Carbon disulfide	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Methyl acetate	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Methylene chloride	6.1JB	U		5.3JB	U		4.8JB	U		0.23J	J		5.0U	U		5.0		
trans-1,2-Dichloroethene	0.37J	J		1.1J	J		0.57J	J		5.0U	U		5.0U	U		5.0		
Methyl tert-butyl ether	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,1-Dichloroethane	6.1U	U		1.0J	J		0.55J	J		5.0U	U		5.0U	U		5.0		
cis-1,2-Dichloroethene	3.3J	J		8.6			5.7			5.0U	U		5.0U	U		5.0		
2-Butanone	12U	U		11U	U		9.6U	U		10U	U		10U	U		10		
Bromochloromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Chloroform	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,1,1-Trichloroethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Cyclohexane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Carbon tetrachloride	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Benzene	6.1U	U		48			44			5.0U	U		5.0U	U		5.0		
1,2-Dichloroethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,4-Dioxane	120U	R		110U	R		96U	R		100U	R		100U	R		100		
Trichloroethene	6.8			65			54			5.0U	U		5.0U	U		5.0		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/kg (Dry Weight)

Analysis Type : Low Level Soil Samples for Volatiles

Station Location :	MIP-4-1-SS									Method Blank			Method Blank					
Sample ID :	Y61C5			Y61C5MS			Y61C5MSD			VBLKS1			VHBLKS1			CRQL		
Collection Date :	2/25/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Methylcyclohexane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,2-Dichloropropane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Bromodichloromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
cis-1,3-Dichloropropene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
4-Methyl-2-Pentanone	12U	U		11U	U		9.6U	U		10U	U		10U	U		10		
Toluene	6.1JB	U		47B			43B			0.11J	J		5.0U	U		5.0		
trans-1,3-Dichloropropene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,1,2-Trichloroethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Tetrachloroethene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
2-Hexanone	12U	U		11U	U		9.6U	U		10U	U		10U	U		10		
Dibromochloromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,2-Dibromoethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Chlorobenzene	6.1U	U		47			44			5.0U	U		5.0U	U		5.0		
Ethylbenzene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
o-Xylene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
m,p-Xylene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Styrene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Bromoform	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Isopropylbenzene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,1,2,2-Tetrachloroethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,3-Dichlorobenzene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,4-Dichlorobenzene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,2-Dichlorobenzene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,2-Dibromo-3-chloropropan	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,2,4-Trichlorobenzene	6.1U	U		5.3U	U		4.8U	U		0.34J	J		5.0U	U		5.0		
1,2,3-Trichlorobenzene	6.1U	U		5.3U	U		4.8U	U		0.72J	J		5.0U	U		5.0		

ANALYTICAL RESULTS
Table 1A

Case No. : 39531 SDG No. : Y61B7
Site : CTS PRINTEX, INC.
Lab : ALS Laboratory Group
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/kg (Dry Weight)

Analysis Type : Low Level Soil Samples for Volatiles

Station Location :	MIP-4-1-SS									Method Blank			Method Blank					
Sample ID :	Y61C5			Y61C5MS			Y61C5MSD			VBLKS1			VHBLKS1			CRQL		
Collection Date :	2/25/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride-d3	60			58			51			52			51			NA		
Chloroethane-d5	57			54			46			50			49			NA		
1,1-Dichloroethene-d2	48			51			45			34			35			NA		
2-Butanone-d5	120			140			150			80			98			NA		
Chloroform-d	61			49			45			46			46			NA		
1,2-Dichloroethane-d4	60			53			50			48			51			NA		
Benzene-d6	59			49			44			45			44			NA		
1,2-Dichloropropane-d6	56			46			43			42			42			NA		
Toluene-d8	58			49			43			45			45			NA		
trans-1,3-Dichloropropene-d	57			49			46			46			47			NA		
2-Hexanone-d5	110			130			130			81			94			NA		
1,4-Dioxane-d8	690			850			920			800			930			NA		
1,1,2,2-Tetrachloroethane-d	49			48			48			43			45			NA		
1,2-Dichlorobenzene-d4	56			50			46			46			48			NA		
Percent Solids	86.92%			86.92%			86.92%			100%			100%			NA		

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39531 SDG No. : Y61B7 **Table 1A**

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	8W			TB-C8			7W			44W			21W			25W		
Sample ID :	Y61B7			Y61B8			Y61B9			Y61C0			Y61C1			Y61C2		
Collection Date :	2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		5.0U	U		5.9			5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.12J	J		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.40J	J		0.42J	J		0.17J	J		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.35J	J		0.35J	J		1.1			0.11J	J	
cis-1,2-Dichloroethene	0.62			0.50U	U		1.5			1.4			0.40J	J		4.5		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.19J	J		0.50U	U		0.33J	J		0.32J	J		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	3.7			0.50U	U		7.4			7.3			0.50U	U		2.6		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	8W			TB-C8			7W			44W			21W			25W		
Sample ID :	Y61B7			Y61B8			Y61B9			Y61C0			Y61C1			Y61C2		
Collection Date :	2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.26J	J		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		2.0			0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.5			4.8			4.7			4.8			4.8			4.7		

ANALYTICAL RESULTS

Case No. : 39531 SDG No. : Y61B7 **Table 1A**

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	8W			TB-C8			7W			44W			21W			25W		
Sample ID :	Y61B7			Y61B8			Y61B9			Y61C0			Y61C1			Y61C2		
Collection Date :	2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.7			5.0			4.8			4.9			4.9			4.9		
1,1-Dichloroethene-d2	3.9			4.1			4.0			4.0			4.0			4.0		
2-Butanone-d5	45			29			44			45			44			43		
Chloroform-d	5.2			4.8			5.2			5.2			5.2			5.1		
1,2-Dichloroethane-d4	5.3			4.2			5.3			5.3			5.2			5.2		
Benzene-d6	5.1			5.6			5.1			5.2			5.2			5.2		
1,2-Dichloropropane-d6	4.9			4.7			4.9			4.9			5.0			4.9		
Toluene-d8	5.2			5.8			5.2			5.3			5.3			5.3		
trans-1,3-Dichloropropene-d	5.5			4.6			5.3			5.5			5.5			5.4		
2-Hexanone-d5	46			30			46			47			44			45		
1,1,2,2-Tetrachloroethane-d	5.3			3.9			5.5			5.8			5.8			5.4		
1,2-Dichlorobenzene-d4	5.1			4.9			5.3			5.3			5.2			5.2		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 39531 SDG No. : Y61B7
Site : CTS PRINTEX, INC.
Lab : ALS Laboratory Group
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C9			TW5-S1			MIP-4-1-GW									Method Blank		
Sample ID :	Y61C3			Y61C4			Y61C6			Y61B7MS			Y61B7MSD			VBLKT1		
Collection Date :	2/25/2010			2/25/2010			2/25/2010											
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.14J	J		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.34J	J		4.7	J		5.9	J		5.4			0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.21J	J		0.11J	J		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	1.3			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		3.8	J		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.57			8.7			0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		7.3			46E	J		3.5	J		0.98			0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.29J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.79			1.2			0.32J	J		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		5.3			5.1			0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		1.4			38E			21E	J		10	J		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C9			TW5-S1			MIP-4-1-GW									Method Blank		
Sample ID :	Y61C3			Y61C4			Y61C6			Y61B7MS			Y61B7MSD			VBLKT1		
Collection Date :	2/25/2010			2/25/2010			2/25/2010											
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.28J	J		0.50U	U		5.3			5.1			0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		5.3			5.3			0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.8			4.8			4.7			4.5			4.4			4.7		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C9			TW5-S1			MIP-4-1-GW									Method Blank		
Sample ID :	Y61C3			Y61C4			Y61C6			Y61B7MS			Y61B7MSD			VBLKT1		
Collection Date :	2/25/2010			2/25/2010			2/25/2010											
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.9			4.9			4.9			4.8			4.7			4.9		
1,1-Dichloroethene-d2	4.0			4.0			5.2			5.4			5.2			4.0		
2-Butanone-d5	45			43			42			43			46			49		
Chloroform-d	5.2			5.2			5.0			5.1			5.2			5.1		
1,2-Dichloroethane-d4	5.3			5.2			4.8			5.1			5.4			4.9		
Benzene-d6	5.2			5.2			5.4			5.3			5.1			5.2		
1,2-Dichloropropane-d6	4.9			4.9			4.8			4.9			4.9			4.8		
Toluene-d8	5.3			5.3			5.5			5.5			5.2			5.4		
trans-1,3-Dichloropropene-d	5.5			5.4			5.1			5.4			5.5			5.2		
2-Hexanone-d5	46			46			43			46			49			46		
1,1,2,2-Tetrachloroethane-d	5.8			5.4			5.0			5.3			5.5			4.8		
1,2-Dichlorobenzene-d4	5.4			5.3			5.1			4.8			5.1			5.2		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKT2			VHBLKT1			CRQL			Y61C6DL								
Collection Date :																		
Dilution Factor :	1.0			1.0						5.0								
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Chloromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Vinyl chloride	0.50U	U		0.50U	U		0.50			2.5U	U							
Bromomethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Chloroethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50			5.3D								
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50			2.5U	U							
Acetone	5.0U	U		5.0U	U		5.0			25U	U							
Carbon disulfide	0.50U	U		0.50U	U		0.50			2.5U	U							
Methyl acetate	0.50U	U		0.50U	U		0.50			2.5U	U							
Methylene chloride	0.50U	U		0.50U	U		0.50			2.5U	U							
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50			4.1D								
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50			2.5U	U							
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50			8.7D								
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50			48D								
2-Butanone	5.0U	U		5.0U	U		5.0			25U	U							
Bromochloromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Chloroform	0.50U	U		0.50U	U		0.50			2.5U	U							
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50			0.79JD	J							
Cyclohexane	0.50U	U		0.50U	U		0.50			2.5U	U							
Carbon tetrachloride	0.50U	U		0.50U	U		0.50			2.5U	U							
Benzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Trichloroethene	0.50U	U		0.50U	U		0.50			42D								
Methylcyclohexane	0.50U	U		0.50U	U		0.50			2.5U	U							

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKT2			VHBLKT1			CRQL			Y61C6DL								
Collection Date :																		
Dilution Factor :	1.0			1.0						5.0								
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50			2.5U	U							
Bromodichloromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50			2.5U	U							
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0			25U	U							
Toluene	0.50U	U		0.50U	U		0.50			2.5U	U							
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Tetrachloroethene	0.50U	U		0.50U	U		0.50			2.5U	U							
2-Hexanone	5.0U	U		5.0U	U		5.0			25U	U							
Dibromochloromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Chlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
Ethylbenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
o-Xylene	0.50U	U		0.50U	U		0.50			2.5U	U							
m,p-Xylene	0.50U	U		0.50U	U		0.50			2.5U	U							
Styrene	0.50U	U		0.50U	U		0.50			2.5U	U							
Bromoform	0.50U	U		0.50U	U		0.50			2.5U	U							
Isopropylbenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50			2.5U	U							
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
Vinyl chloride-d3	4.5			4.5			NA			4.5								

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKT2			VHBLKT1			CRQL			Y61C6DL								
Collection Date :																		
Dilution Factor :	1.0			1.0						5.0								
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.8			4.7			NA			4.8								
1,1-Dichloroethene-d2	3.9			4.0			NA			4.2								
2-Butanone-d5	52			45			NA			39								
Chloroform-d	5.0			5.2			NA			5.2								
1,2-Dichloroethane-d4	4.8			5.3			NA			5.0								
Benzene-d6	5.2			5.2			NA			5.3								
1,2-Dichloropropane-d6	4.7			5.0			NA			4.9								
Toluene-d8	5.4			5.4			NA			5.4								
trans-1,3-Dichloropropene-d	5.0			5.5			NA			5.3								
2-Hexanone-d5	51			46			NA			41								
1,1,2,2-Tetrachloroethane-d	4.6			5.5			NA			4.9								
1,2-Dichlorobenzene-d4	5.1			4.9			NA			4.9								

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Table 1A

Case No. : 39358 SDG No. : Y5QA2

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	33W			33WMS			33WMSD			34W			TB-C1			17W		
Sample ID :	Y5QA2			Y5QA3			Y5QA4			Y5QA5			Y5QA6			Y5QA7		
Collection Date :	1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	2.8			2.8			2.7			0.50U	U		0.50U	U		24E	J	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0J	U		5.0J	U		5.0J	U		5.0J	U		5.0U	U		5.0U	U	
Carbon Disulfide	0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.17JB	J		0.50JB	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.34J	J		0.52			0.47J	J		0.44J	J		0.35J	J		0.68		
trans-1,2-Dichloroethene	0.20J	J		0.16J	J		0.19J	J		0.50U	U		0.50U	U		11	J	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	1.7			1.6			1.6			0.19J	J		0.50U	U		27E		
cis-1,2-Dichloroethene	8.3			8.2			8.7			0.79			0.50U	U		230E	J	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.20J	J		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	8.3			8.3			9.4			6.2			0.50U	U		64E		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	33W			33WMS			33WMSD			34W			TB-C1			17W		
Sample ID :	Y5QA2			Y5QA3			Y5QA4			Y5QA5			Y5QA6			Y5QA7		
Collection Date :	1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50J	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.0			5.1			5.2			5.2			5.5			5.6		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	33W			33WMS			33WMSD			34W			TB-C1			17W		
Sample ID :	Y5QA2			Y5QA3			Y5QA4			Y5QA5			Y5QA6			Y5QA7		
Collection Date :	1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.2			5.2			5.2			5.3			5.4			5.6		
1,1-Dichloroethene-d2	5.1			5.2			5.0			4.6			4.6			11		
2-Butanone-d5	45			45			42			41			43			41		
Chloroform-d	5.3			5.3			5.3			5.5			5.7			5.2		
1,2-Dichloroethane-d4	5.4			5.7			5.3			5.4			5.6			5.7		
Benzene-d6	5.5			5.5			5.6			5.5			5.6			5.5		
1,2-Dichloropropane-d6	4.8			4.7			4.9			4.9			4.9			4.8		
Toluene-d8	5.5			5.4			5.5			5.4			5.5			5.5		
trans-1,3-Dichloropropene-d	5.1			4.9			4.9			5.0			5.0			4.7		
2-Hexanone-d5	53			52			50			48			51			52		
1,1,2,2-Tetrachloroethane-d	5.1			5.1			4.9			4.8			5.0			4.9		
1,2-Dichlorobenzene-d4	5.1			5.1			5.0			5.1			5.1			5.0		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	40W			20W			TB-C2			19W			TW2-D1			TW2-S1		
Sample ID :	Y5QA8			Y5QA9			Y5QB0			Y5QB1			Y5QB2			Y5QB3		
Collection Date :	1/12/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	23E	J		1.4			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0JB	U		5.0JB	U		2.3JB	J		5.0JB	U		5.0JB	U		5.0JB	U	
Carbon Disulfide	0.50JB	U		0.50JB	U		0.19JB	J		0.50JB	U		0.50JB	U		0.50JB	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.58			0.66			0.40J	J		0.78			0.59			0.80		
trans-1,2-Dichloroethene	10	J		0.11J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	26E			2.4			0.50U	U		0.41J	J		0.10J	J		0.13J	J	
cis-1,2-Dichloroethene	230E	J		5.9			0.50U	U		0.50U	U		0.26J	J		0.66		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.45J	J		0.50U	U		0.054J	J		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	65E			7.0			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	40W			20W			TB-C2			19W			TW2-D1			TW2-S1		
Sample ID :	Y5QA8			Y5QA9			Y5QB0			Y5QB1			Y5QB2			Y5QB3		
Collection Date :	1/12/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50J	U		0.50J	U		0.50U	U		0.50J	U		0.50J	U		0.50J	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.4			5.3			5.5			5.5			5.4			5.4		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	40W			20W			TB-C2			19W			TW2-D1			TW2-S1		
Sample ID :	Y5QA8			Y5QA9			Y5QB0			Y5QB1			Y5QB2			Y5QB3		
Collection Date :	1/12/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.2			5.5			5.5			5.5			5.4			5.5		
1,1-Dichloroethene-d2	10			4.9			4.7			5.0			4.6			4.7		
2-Butanone-d5	40			43			43			40			46			43		
Chloroform-d	5.2			5.4			5.8			5.8			5.7			5.6		
1,2-Dichloroethane-d4	5.5			5.6			5.8			5.6			5.7			5.7		
Benzene-d6	5.6			5.5			5.6			5.7			5.5			5.6		
1,2-Dichloropropane-d6	4.8			4.8			5.0			5.1			4.9			5.0		
Toluene-d8	5.5			5.5			5.4			5.7			5.4			5.5		
trans-1,3-Dichloropropene-d	4.8			5.1			5.0			5.0			4.8			4.9		
2-Hexanone-d5	52			52			51			50			55			51		
1,1,2,2-Tetrachloroethane-d	4.9			5.1			4.9			5.0			5.1			4.9		
1,2-Dichlorobenzene-d4	5.0			5.1			5.1			5.1			4.9			5.2		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 39358 SDG No. : Y5QA2
Site : CTS PRINTEX, INC
Lab : COMPUCHEM
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW2-S2			TW2-D2			TW2-S3			TW2-D3			TW3-S2					
Sample ID :	Y5QB4			Y5QB5			Y5QB6			Y5QB7			Y5QB8			Y5QB8MS		
Collection Date :	1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0JB	U		5.0JB	U		5.0U	U		5.0U	U		5.0JB	U		5.0U	U	
Carbon Disulfide	0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.73			0.75			0.63			0.46J	J		0.53			0.51		
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.15J	J		0.12J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	1.8			0.12J	J		1.7			0.50U	U		0.84			0.94		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.052J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.1		
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.77			0.50U	U		3.9			0.50U	U		1.1			6.5		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW2-S2			TW2-D2			TW2-S3			TW2-D3			TW3-S2					
Sample ID :	Y5QB4			Y5QB5			Y5QB6			Y5QB7			Y5QB8			Y5QB8MS		
Collection Date :	1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50J	U		0.50J	U		0.50J	U		0.50J	U		0.50J	U		5.5		
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		4.8		
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.5			5.3			5.3			5.6			5.4			3.7		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW2-S2			TW2-D2			TW2-S3			TW2-D3			TW3-S2					
Sample ID :	Y5QB4			Y5QB5			Y5QB6			Y5QB7			Y5QB8			Y5QB8MS		
Collection Date :	1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.4			5.4			5.3			5.5			5.3			3.7		
1,1-Dichloroethene-d2	4.7			4.3			4.7			4.2			4.8			4.6		
2-Butanone-d5	45			45			45			43			41			32		
Chloroform-d	5.6			5.8			5.8			5.7			5.7			4.1		
1,2-Dichloroethane-d4	5.8			5.7			5.7			5.6			5.6			4.0		
Benzene-d6	5.5			5.6			5.6			5.5			5.5			4.4		
1,2-Dichloropropane-d6	5.0			5.0			4.9			4.9			4.8			3.7		
Toluene-d8	5.4			5.5			5.5			5.5			5.5			4.4		
trans-1,3-Dichloropropene-d	5.1			4.8			5.0			4.9			4.7			3.8		
2-Hexanone-d5	54			55			55			54			49			36		
1,1,2,2-Tetrachloroethane-d	5.3			5.2			5.2			5.1			4.7			3.2		
1,2-Dichlorobenzene-d4	5.0			5.0			5.0			5.0			4.8			5.5		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QB8MSD			VBLKEF			VBLKEG			VBLKEH			VHBLKZI			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromomethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1-Dichloroethene	4.8			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Acetone	5.0J	U		5.0U	U		1.0J	J		5.0U	U		1.7JB	J		5.0		
Carbon Disulfide	0.50JB	U		0.17J	J		0.15J	J		0.12J	J		0.16JB	J		0.50		
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methylene chloride	0.60			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
cis-1,2-Dichloroethene	0.78			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Cyclohexane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Benzene	5.0			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Trichloroethene	6.1			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methylcyclohexane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QB8MSD			VBLKEF			VBLKEG			VBLKEH			VHBLKZI			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromodichloromethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Toluene	5.3			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chlorobenzene	4.7			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2,2-Tetrachloroethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dibromo-3-chloropropan	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Vinyl chloride-d3	3.7			5.3			5.6			4.7			5.8			NA		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QB8MSD			VBLKEF			VBLKEG			VBLKEH			VHBLKZI			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	3.7			5.3			5.5			4.5			5.8			NA		
1,1-Dichloroethene-d2	4.5			4.7			4.1			3.9			4.3			NA		
2-Butanone-d5	35			45			44			39			42			NA		
Chloroform-d	4.1			5.5			5.5			4.5			5.8			NA		
1,2-Dichloroethane-d4	4.1			5.4			5.4			4.6			5.5			NA		
Benzene-d6	4.3			5.6			5.6			5.1			5.5			NA		
1,2-Dichloropropane-d6	3.8			5.0			5.1			4.5			5.0			NA		
Toluene-d8	4.2			5.5			5.5			5.0			5.5			NA		
trans-1,3-Dichloropropene-d	3.8			4.9			4.9			3.9			4.7			NA		
2-Hexanone-d5	41			49			49			46			47			NA		
1,1,2,2-Tetrachloroethane-d	3.5			5.1			4.8			4.1			4.8			NA		
1,2-Dichlorobenzene-d4	5.5			5.1			5.0			5.5			5.2			NA		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank																	
Sample ID :	VHBLKZIRE			Y5QA7DL			Y5QA8DL											
Collection Date :																		
Dilution Factor :	1.0			25.0			25.0											
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		13U	U		13U	U										
Chloromethane	0.50U	U		13U	U		13U	U										
Vinyl chloride	0.50U	U		13U	U		13U	U										
Bromomethane	0.50U	UJ		13U	U		13U	U										
Chloroethane	0.50U	U		13U	U		13U	U										
Trichlorofluoromethane	0.50U	U		13U	U		13U	U										
1,1-Dichloroethene	0.50U	U		31D			33D											
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		13U	U		13U	U										
Acetone	1.6J	J		130U	U		130U	U										
Carbon Disulfide	0.17JB	J		13JBD	U		13JBD	U										
Methyl acetate	0.50U	U		13U	U		13U	U										
Methylene chloride	0.50U	U		13U	U		13U	U										
trans-1,2-Dichloroethene	0.50U	U		10JD	J		11JD	J										
Methyl tert-butyl ether	0.50U	U		13U	U		13U	U										
1,1-Dichloroethane	0.50U	U		30D			31D											
cis-1,2-Dichloroethene	0.50U	U		330D			340D											
2-Butanone	5.0U	U		130U	U		130U	U										
Bromochloromethane	0.50U	U		13U	U		13U	U										
Chloroform	0.50U	U		13U	U		13U	U										
1,1,1-Trichloroethane	0.50U	U		13U	U		13U	U										
Cyclohexane	0.50U	U		13U	U		13U	U										
Carbon tetrachloride	0.50U	U		13U	U		13U	U										
Benzene	0.50U	U		13U	U		13U	U										
1,2-Dichloroethane	0.50U	U		13U	U		13U	U										
Trichloroethene	0.50U	U		79D			75D											
Methylcyclohexane	0.50U	U		13U	U		13U	U										

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank																	
Sample ID :	VHBLKZIRE			Y5QA7DL			Y5QA8DL											
Collection Date :																		
Dilution Factor :	1.0			25.0			25.0											
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		13U	U		13U	U										
Bromodichloromethane	0.50U	U		13U	U		13U	U										
cis-1,3-Dichloropropene	0.50U	U		13U	U		13U	U										
4-Methyl-2-pentanone	5.0U	U		130U	U		130U	U										
Toluene	0.036J	J		13U	U		13U	U										
trans-1,3-Dichloropropene	0.50U	U		13U	U		13U	U										
1,1,2-Trichloroethane	0.50U	U		13U	U		13U	U										
Tetrachloroethene	0.50U	U		13U	U		13U	U										
2-Hexanone	5.0U	U		130U	U		130U	U										
Dibromochloromethane	0.50U	U		13U	U		13U	U										
1,2-Dibromoethane	0.50U	U		13U	U		13U	U										
Chlorobenzene	0.50U	U		13U	U		13U	U										
Ethylbenzene	0.50U	U		13U	U		13U	U										
o-Xylene	0.50U	U		13U	U		13U	U										
m,p-Xylene	0.50U	U		13U	U		13U	U										
Styrene	0.50U	U		13U	U		13U	U										
Bromoform	0.50U	U		13U	U		13U	U										
Isopropylbenzene	0.50U	U		13U	U		13U	U										
1,1,2,2-Tetrachloroethane	0.50U	U		13U	U		13U	U										
1,3-Dichlorobenzene	0.50U	U		13U	U		13U	U										
1,4-Dichlorobenzene	0.50U	U		13U	U		13U	U										
1,2-Dichlorobenzene	0.50U	U		13U	U		13U	U										
1,2-Dibromo-3-chloropropan	0.50U	U		13U	U		13U	U										
1,2,4-Trichlorobenzene	0.50U	U		13U	U		13U	U										
1,2,3-Trichlorobenzene	0.50U	U		13U	U		13U	U										
Vinyl chloride-d3	4.7			5.5			5.6											

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QA2 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank																	
Sample ID :	VHBLKZIRE			Y5QA7DL			Y5QA8DL											
Collection Date :																		
Dilution Factor :	1.0			25.0			25.0											
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.8			5.6			5.7											
1,1-Dichloroethene-d2	4.3			5.0			5.0											
2-Butanone-d5	41			40			46											
Chloroform-d	5.2			5.5			5.5											
1,2-Dichloroethane-d4	5.4			5.5			5.9											
Benzene-d6	5.1			5.7			5.5											
1,2-Dichloropropane-d6	4.6			5.0			5.0											
Toluene-d8	4.9			5.6			5.4											
trans-1,3-Dichloropropene-d	4.5			5.0			5.0											
2-Hexanone-d5	54			52			54											
1,1,2,2-Tetrachloroethane-d	4.7			5.1			5.3											
1,2-Dichlorobenzene-d4	5.5			5.0			5.1											

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	33W			33WMS			33WMSD			34W			TB-C1			17W		
Sample ID :	Y5QA2			Y5QA3			Y5QA4			Y5QA5			Y5QA6			Y5QA7		
Collection Date :	1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010			1/12/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.096J	R		0.095J	R		0.095J	R		0.10U	R		0.10U	R		0.24	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	40W			20W			TB-C2			19W			TW2-D1			TW2-S1		
Sample ID :	Y5QA8			Y5QA9			Y5QB0			Y5QB1			Y5QB2			Y5QB3		
Collection Date :	1/12/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.25	R		0.043J	R		0.10U	R		0.10U	R		0.10U	R		0.10U	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	TW2-S2			TW2-D2			TW2-S3			TW2-D3			TW3-S2			Method Blank		
Sample ID :	Y5QB4			Y5QB5			Y5QB6			Y5QB7			Y5QB8			VBLKNQ		
Collection Date :	1/13/2010			1/13/2010			1/13/2010			1/13/2010			1/13/2010					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.079J	R		0.10U	R		0.039J	R		0.10U	R		0.038J	R		0.10U	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QA2

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	Method Blank																	
Sample ID :	VHBLKZJ			CRQL														
Collection Date :																		
Dilution Factor :	1.0																	
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	R		0.10														

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C3			TW3-S3			TW3-D3			TW3-D2			TW3-S1			41W		
Sample ID :	Y5QB9			Y5QC0			Y5QC1			Y5QC2			Y5QC3			Y5QC4		
Collection Date :	1/15/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	2.6J	J		5.0J	U		5.0B	U		5.0U	U		5.0J	U		5.0J	U	
Carbon Disulfide	0.50U	U		0.083J	J		0.12J	J		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.43J	J		0.50	U		0.50J	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.18J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		1.6			1.3			0.50U	U		0.87			0.86		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.11JB	J		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.12J	J		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		2.6			0.75			0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C3			TW3-S3			TW3-D3			TW3-D2			TW3-S1			41W		
Sample ID :	Y5QB9			Y5QC0			Y5QC1			Y5QC2			Y5QC3			Y5QC4		
Collection Date :	1/15/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.033J	J		0.11J	J		0.19J	J		0.072J	J		0.063J	J		0.057J	J	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.8			6.6			6.9			6.4			6.6			6.6		

ANALYTICAL RESULTS

Table 1A

Case No. : 39358 SDG No. : Y5QB9

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C3			TW3-S3			TW3-D3			TW3-D2			TW3-S1			41W		
Sample ID :	Y5QB9			Y5QC0			Y5QC1			Y5QC2			Y5QC3			Y5QC4		
Collection Date :	1/15/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.7			6.6			6.1			6.3			6.2			6.3		
1,1-Dichloroethene-d2	4.2			4.3			4.1			4.2			4.2			4.2		
2-Butanone-d5	40			39			26			42			41			41		
Chloroform-d	5.3			5.3			4.9			5.3			5.4			5.4		
1,2-Dichloroethane-d4	5.3			5.4			4.4			5.4			5.4			5.5		
Benzene-d6	5.5			4.9			4.8			5.1			5.0			4.9		
1,2-Dichloropropane-d6	5.0			4.6			4.1			4.8			4.7			4.5		
Toluene-d8	5.5			5.2			4.9			5.3			5.2			5.2		
trans-1,3-Dichloropropene-d	5.1			4.7			3.7			4.9			4.8			4.7		
2-Hexanone-d5	42			46			30			49			48			48		
1,1,2,2-Tetrachloroethane-d	4.9			5.2			3.9			5.1			5.1			5.1		
1,2-Dichlorobenzene-d4	5.2			5.3			4.5			5.3			5.5			5.3		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW1-S1			TW1-D1			TW3-D1			TB-C4			TW4-S1			TW4-D1		
Sample ID :	Y5QC5			Y5QC6			Y5QC7			Y5QC8			Y5QC9			Y5QD0		
Collection Date :	1/14/2010			1/14/2010			1/14/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.56			0.50U	U		1.7			0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0J	U		5.0J	U		5.0J	U		2.4J	J		3.0J	J		5.0J	U	
Carbon Disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.14J	J		0.50U	U		0.44J	J		0.50U	U		1.4			0.54		
cis-1,2-Dichloroethene	1.7			1.2			0.44J	J		0.50U	U		2.0			0.31J	J	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.15J	J		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50JB	U		0.50JB	U		0.50JB	U		0.089JB	J		0.10JB	J		0.50JB	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	4.4			2.7			0.50U	U		0.50U	U		4.7			0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW1-S1			TW1-D1			TW3-D1			TB-C4			TW4-S1			TW4-D1		
Sample ID :	Y5QC5			Y5QC6			Y5QC7			Y5QC8			Y5QC9			Y5QD0		
Collection Date :	1/14/2010			1/14/2010			1/14/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.050J	J		0.45J	J		0.057J	J		0.50U	U		0.048J	J		0.047J	J	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	6.3			7.1			7.0			6.2			6.6			6.6		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW1-S1			TW1-D1			TW3-D1			TB-C4			TW4-S1			TW4-D1		
Sample ID :	Y5QC5			Y5QC6			Y5QC7			Y5QC8			Y5QC9			Y5QD0		
Collection Date :	1/14/2010			1/14/2010			1/14/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	6.4			6.7			6.3			6.0			6.3			6.3		
1,1-Dichloroethene-d2	4.2			4.4			4.4			4.2			4.7			4.3		
2-Butanone-d5	42			39			42			40			41			44		
Chloroform-d	5.4			5.4			5.5			5.6			5.7			5.7		
1,2-Dichloroethane-d4	5.3			5.2			5.6			5.6			5.6			5.8		
Benzene-d6	5.2			4.8			5.2			5.5			5.2			5.4		
1,2-Dichloropropane-d6	4.9			4.5			4.8			5.0			5.0			5.1		
Toluene-d8	5.4			5.2			5.3			5.4			5.2			5.4		
trans-1,3-Dichloropropene-d	4.8			4.7			4.9			5.1			4.8			5.0		
2-Hexanone-d5	48			47			50			46			46			50		
1,1,2,2-Tetrachloroethane-d	5.0			5.2			5.2			5.0			5.1			5.3		
1,2-Dichlorobenzene-d4	5.5			5.3			5.3			5.4			5.4			5.4		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-S2			TW4-S2MS			TW4-S2MSD			TW4-D2			TW4-S3			42W		
Sample ID :	Y5QD1			Y5QD2			Y5QD3			Y5QD4			Y5QD5			Y5QD6		
Collection Date :	1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0J	U		5.0J	U		5.0JB	U		5.0JB	U		5.0JB	U		5.0JB	U	
Carbon Disulfide	0.50U	U		0.50U	U		0.054J	J		0.046J	J		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		1.1			1.0			0.50	U		0.50	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U		0.50JB	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-S2			TW4-S2MS			TW4-S2MSD			TW4-D2			TW4-S3			42W		
Sample ID :	Y5QD1			Y5QD2			Y5QD3			Y5QD4			Y5QD5			Y5QD6		
Collection Date :	1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.052J	J		0.059J	J		0.11J	J		0.11J	J		0.26J	J		0.17J	J	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	7.0			6.6			6.0			5.6			6.0			6.2		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-S2			TW4-S2MS			TW4-S2MSD			TW4-D2			TW4-S3			42W		
Sample ID :	Y5QD1			Y5QD2			Y5QD3			Y5QD4			Y5QD5			Y5QD6		
Collection Date :	1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	6.4			6.5			5.9			5.4			5.6			5.9		
1,1-Dichloroethene-d2	4.4			4.2			3.9			3.7			3.9			3.9		
2-Butanone-d5	38			41			35			34			34			36		
Chloroform-d	5.6			5.6			5.1			4.9			5.0			5.1		
1,2-Dichloroethane-d4	5.5			5.9			4.8			4.7			4.8			4.8		
Benzene-d6	5.2			5.4			4.8			4.9			4.9			4.8		
1,2-Dichloropropane-d6	4.9			5.0			4.6			4.4			4.4			4.5		
Toluene-d8	5.3			5.5			4.8			4.8			4.9			4.9		
trans-1,3-Dichloropropene-d	4.9			4.9			4.3			4.4			4.4			4.5		
2-Hexanone-d5	46			47			37			37			37			41		
1,1,2,2-Tetrachloroethane-d	5.1			5.0			4.2			4.2			4.2			4.3		
1,2-Dichlorobenzene-d4	5.3			5.3			4.6			4.5			4.7			4.9		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-D3									Method Blank			Method Blank			Method Blank		
Sample ID :	Y5QD7			Y5QD2MS			Y5QD2MSD			VBLKBP			VBLKBQ			VHBLKZQ		
Collection Date :	1/15/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		6.0			5.3	J		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0JB	U		5.0JB	U		5.0JB	U		5.0U	U		2.1J	J		2.5JB	J	
Carbon Disulfide	0.078J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50J	U		1.1			1.1			0.50U	U		0.50U	U		0.51		
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50JB	U		0.50JB	U		0.50JB	U		0.099J	J		0.077J	J		0.095JB	J	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		5.9	J		4.9	J		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		5.7	J		4.8	J		0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-D3									Method Blank			Method Blank			Method Blank		
Sample ID :	Y5QD7			Y5QD2MS			Y5QD2MSD			VBLKBP			VBLKBQ			VHBLKZQ		
Collection Date :	1/15/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.11J	J		6.1	J		5.1	J		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		5.7	J		4.9	J		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.8			5.1			6.0			5.5			6.1			5.5		

ANALYTICAL RESULTS

Table 1A

Case No. : 39358 SDG No. : Y5QB9

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TW4-D3									Method Blank			Method Blank			Method Blank		
Sample ID :	Y5QD7			Y5QD2MS			Y5QD2MSD			VBLKBP			VBLKBQ			VHBLKZQ		
Collection Date :	1/15/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.5			4.9			5.7			5.2			6.0			5.2		
1,1-Dichloroethene-d2	3.8			4.9			5.3			4.1			4.1			3.7		
2-Butanone-d5	34			31			37			41			39			33		
Chloroform-d	4.9			4.4			5.2			5.0			5.4			4.8		
1,2-Dichloroethane-d4	4.9			4.4			5.1			5.2			5.4			4.7		
Benzene-d6	4.8			4.5			5.1			5.3			5.4			5.1		
1,2-Dichloropropane-d6	4.5			4.3			4.9			4.8			5.0			4.7		
Toluene-d8	4.8			4.4			5.2			5.3			5.4			5.1		
trans-1,3-Dichloropropene-d	4.3			4.3			5.1			5.0			5.1			4.5		
2-Hexanone-d5	36			37			44			47			45			37		
1,1,2,2-Tetrachloroethane-d	4.2			4.0			4.8			5.0			4.8			4.2		
1,2-Dichlorobenzene-d4	4.6			4.6			5.1			5.2			5.1			4.6		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	CRQL																	
Collection Date :																		
Dilution Factor :																		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50																	
Chloromethane	0.50																	
Vinyl chloride	0.50																	
Bromomethane	0.50																	
Chloroethane	0.50																	
Trichlorofluoromethane	0.50																	
1,1-Dichloroethene	0.50																	
1,1,2-Trichloro-1,2,2-trifluoro	0.50																	
Acetone	5.0																	
Carbon Disulfide	0.50																	
Methyl acetate	0.50																	
Methylene chloride	0.50																	
trans-1,2-Dichloroethene	0.50																	
Methyl tert-butyl ether	0.50																	
1,1-Dichloroethane	0.50																	
cis-1,2-Dichloroethene	0.50																	
2-Butanone	5.0																	
Bromochloromethane	0.50																	
Chloroform	0.50																	
1,1,1-Trichloroethane	0.50																	
Cyclohexane	0.50																	
Carbon tetrachloride	0.50																	
Benzene	0.50																	
1,2-Dichloroethane	0.50																	
Trichloroethene	0.50																	
Methylcyclohexane	0.50																	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	CRQL																	
Collection Date :																		
Dilution Factor :																		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50																	
Bromodichloromethane	0.50																	
cis-1,3-Dichloropropene	0.50																	
4-Methyl-2-pentanone	5.0																	
Toluene	0.50																	
trans-1,3-Dichloropropene	0.50																	
1,1,2-Trichloroethane	0.50																	
Tetrachloroethene	0.50																	
2-Hexanone	5.0																	
Dibromochloromethane	0.50																	
1,2-Dibromoethane	0.50																	
Chlorobenzene	0.50																	
Ethylbenzene	0.50																	
o-Xylene	0.50																	
m,p-Xylene	0.50																	
Styrene	0.50																	
Bromoform	0.50																	
Isopropylbenzene	0.50																	
1,1,2,2-Tetrachloroethane	0.50																	
1,3-Dichlorobenzene	0.50																	
1,4-Dichlorobenzene	0.50																	
1,2-Dichlorobenzene	0.50																	
1,2-Dibromo-3-chloropropan	0.50																	
1,2,4-Trichlorobenzene	0.50																	
1,2,3-Trichlorobenzene	0.50																	
Vinyl chloride-d3	NA																	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	CRQL																	
Collection Date :																		
Dilution Factor :																		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	NA																	
1,1-Dichloroethene-d2	NA																	
2-Butanone-d5	NA																	
Chloroform-d	NA																	
1,2-Dichloroethane-d4	NA																	
Benzene-d6	NA																	
1,2-Dichloropropane-d6	NA																	
Toluene-d8	NA																	
trans-1,3-Dichloropropene-d	NA																	
2-Hexanone-d5	NA																	
1,1,2,2-Tetrachloroethane-d	NA																	
1,2-Dichlorobenzene-d4	NA																	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

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ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TB-C3			TW3-S3			TW3-D3			TW3-D2			TW3-S1			41W		
Sample ID :	Y5QB9			Y5QC0			Y5QC1			Y5QC2			Y5QC3			Y5QC4		
Collection Date :	1/15/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010			1/14/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.048J	J		0.10U	U		0.10U	U		0.12			0.055J	J	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

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NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TW1-S1			TW1-D1			TW3-D1			TB-C4			TW4-S1			TW4-D1		
Sample ID :	Y5QC5			Y5QC6			Y5QC7			Y5QC8			Y5QC9			Y5QD0		
Collection Date :	1/14/2010			1/14/2010			1/14/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	R		0.10U	U		0.10U	U		0.10U	U		0.065J	J		0.041J	J	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TW4-S2			TW4-S2MS			TW4-S2MSD			TW4-D2			TW4-S3			42W		
Sample ID :	Y5QD1			Y5QD2			Y5QD3			Y5QD4			Y5QD5			Y5QD6		
Collection Date :	1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010			1/15/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TW4-D3			Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QD7			VBLKNS			VBLKNT			VBLKNV			VHBLKZQ			CRQL		
Collection Date :	1/15/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.10U	U		0.10U	U		0.10U	R		0.10U	R		0.10		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QB9

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :																		
Sample ID :	Y5QC4RE			Y5QC5RE														
Collection Date :																		
Dilution Factor :	1.0			1.0														
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.054J	J		0.037J	J													

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8			Y5QD9			Y5QE0			Y5QE1			Y5QE2			Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		3.0			1.3			0.50U	U		0.50U	U		1.2		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	1.1J	J		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon Disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		4.8			1.1			0.55			0.60			0.60		
cis-1,2-Dichloroethene	0.50U	U		16			4.6			2.4			2.6			3.5		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50			0.12J	J		0.50U	U		0.50U	U		0.72		
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		7.3			7.9			0.51			0.48J	J		19		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8			Y5QD9			Y5QE0			Y5QE1			Y5QE2			Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.9			4.6			4.5			4.6			4.6			4.7		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8			Y5QD9			Y5QE0			Y5QE1			Y5QE2			Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.9			4.9			4.9			4.8			4.9			5.0		
1,1-Dichloroethene-d2	4.6			4.4			4.0			3.8			3.6			3.8		
2-Butanone-d5	44			43			44			47			47			46		
Chloroform-d	5.2			5.0			5.1			5.2			5.2			5.3		
1,2-Dichloroethane-d4	5.0			5.1			5.1			5.3			5.3			5.2		
Benzene-d6	5.1			4.9			5.0			5.0			5.0			5.1		
1,2-Dichloropropane-d6	4.7			4.5			4.5			4.7			4.7			4.4		
Toluene-d8	5.0			5.0			5.0			4.9			5.0			5.0		
trans-1,3-Dichloropropene-d	4.8			4.7			4.7			4.8			4.9			4.8		
2-Hexanone-d5	44			44			43			46			47			45		
1,1,2,2-Tetrachloroethane-d	4.5			4.6			4.5			4.8			4.9			4.7		
1,2-Dichlorobenzene-d4	4.7			4.6			4.6			4.5			4.8			4.6		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6			Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	1.6			1.3			0.50U	U		0.50U	U		0.50U	U		2.8		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	1.6J	J		1.8J	J		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon Disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.63			0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		1.3		
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.53			0.59			0.50U	U		0.50U	U		1.7			5.6		
cis-1,2-Dichloroethene	3.3			3.5			0.50U	U		0.50U	U		3.8			35E		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.75			0.71			0.50U	U		0.50U	U		0.82			0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	20			19			0.50U	U		0.50U	U		16			9.7		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6			Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.065J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.6			4.8			5.0			4.9			4.8			4.8		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6			Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.7			5.2			5.2			5.1			5.2			5.2		
1,1-Dichloroethene-d2	5.0			4.0			3.5			3.7			3.8			4.4		
2-Butanone-d5	35			46			46			46			47			46		
Chloroform-d	5.0			5.3			5.4			5.4			5.3			5.0		
1,2-Dichloroethane-d4	4.5			5.4			5.4			5.4			5.4			5.4		
Benzene-d6	5.2			5.1			5.1			5.1			5.0			4.9		
1,2-Dichloropropane-d6	4.3			4.4			4.8			4.8			4.4			4.4		
Toluene-d8	5.1			5.0			5.0			5.0			4.9			4.9		
trans-1,3-Dichloropropene-d	4.4			4.8			4.8			4.7			4.8			4.8		
2-Hexanone-d5	36			46			46			45			46			46		
1,1,2,2-Tetrachloroethane-d	3.9			4.8			4.8			4.7			4.8			4.9		
1,2-Dichlorobenzene-d4	4.5			4.6			4.8			4.6			4.7			4.7		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C7			MIP4-1W									Method Blank			Method Blank		
Sample ID :	Y5QF0			Y5QF1			Y5QE4MS			Y5QE4MSD			VBLKEL			VBLKEN		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R		0.50U	R	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		7.0			6.1			6.1	J		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		1.1J	J		1.5J	J		5.0U	U		5.0U	U		5.0U	U	
Carbon Disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		9.1			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		9.3			0.53			0.55			0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		70E			3.2			3.4	J		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.17J	J		0.65			0.64			0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		5.1			4.8			0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		37E			22E	J		21E	J		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C7			MIP4-1W									Method Blank			Method Blank		
Sample ID :	Y5QF0			Y5QF1			Y5QE4MS			Y5QE4MSD			VBLKEL			VBLKEN		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		5.1			4.8			0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		5.3			5.1			0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.16J	J		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.17J	J		0.50U	U	
Vinyl chloride-d3	5.1			4.6			4.3			4.5			5.2			5.1		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C7			MIP4-1W									Method Blank			Method Blank		
Sample ID :	Y5QF0			Y5QF1			Y5QE4MS			Y5QE4MSD			VBLKEL			VBLKEN		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.0			5.1			4.8			4.8			5.0			5.0		
1,1-Dichloroethene-d2	3.6			4.9			5.2			5.3			3.8			3.4		
2-Butanone-d5	41			44			43			43			48			47		
Chloroform-d	5.3			5.0			5.0			5.1			5.4			5.4		
1,2-Dichloroethane-d4	5.0			5.3			4.8			4.9			5.3			5.4		
Benzene-d6	5.0			4.9			5.1			4.9			5.3			5.0		
1,2-Dichloropropane-d6	4.6			4.3			4.5			4.3			4.8			4.9		
Toluene-d8	5.0			4.8			4.9			5.0			5.1			5.0		
trans-1,3-Dichloropropene-d	4.6			4.7			4.7			4.7			5.0			4.5		
2-Hexanone-d5	40			44			44			44			49			47		
1,1,2,2-Tetrachloroethane-d	4.4			4.7			4.5			4.5			4.9			4.9		
1,2-Dichlorobenzene-d4	4.6			4.6			4.5			4.6			4.7			4.6		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKEP			VHBLKZR			CRQL			Y5QE9DL			Y5QF1DL					
Collection Date :																		
Dilution Factor :	1.0			1.0						2.5			8.3					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Chloromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Vinyl chloride	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Bromomethane	0.50U	U		0.50U	U		0.50			1.3U	R		4.2U	R				
Chloroethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50			3.9D			7.5D					
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Acetone	5.0U	U		5.0U	U		5.0			2.4JD	J		42U	U				
Carbon Disulfide	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Methyl acetate	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Methylene chloride	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50			1.3DJ	J		9.7D					
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50			6.0D			10D					
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50			40D			95D					
2-Butanone	5.0U	U		5.0U	U		5.0			13U	U		42U	U				
Bromochloromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Chloroform	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Cyclohexane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Carbon tetrachloride	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Benzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Trichloroethene	0.50U	U		0.50U	U		0.50			11D			53D					
Methylcyclohexane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKEP			VHBLKZR			CRQL			Y5QE9DL			Y5QF1DL					
Collection Date :																		
Dilution Factor :	1.0			1.0						2.5			8.3					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Bromodichloromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0			13U	U		42U	U				
Toluene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Tetrachloroethene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
2-Hexanone	5.0U	U		5.0U	U		5.0			13U	U		42U	U				
Dibromochloromethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Chlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Ethylbenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
o-Xylene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
m,p-Xylene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Styrene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Bromoform	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Isopropylbenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50			1.3U	U		4.2U	U				
Vinyl chloride-d3	5.2			5.3			NA			4.7			4.8					

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39358 SDG No. : Y5QD8

Table 1A

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKEP			VHBLKZR			CRQL			Y5QE9DL			Y5QF1DL					
Collection Date :																		
Dilution Factor :	1.0			1.0						2.5			8.3					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.1			5.3			NA			5.0			5.0					
1,1-Dichloroethene-d2	4.2			4.2			NA			5.1			3.7					
2-Butanone-d5	44			43			NA			39			45					
Chloroform-d	5.1			5.4			NA			4.9			5.2					
1,2-Dichloroethane-d4	5.0			5.2			NA			5.1			5.4					
Benzene-d6	5.4			5.4			NA			5.0			4.8					
1,2-Dichloropropane-d6	4.8			4.8			NA			4.5			4.4					
Toluene-d8	5.3			5.2			NA			5.0			4.8					
trans-1,3-Dichloropropene-d	5.1			4.9			NA			4.6			4.6					
2-Hexanone-d5	50			48			NA			39			43					
1,1,2,2-Tetrachloroethane-d	4.9			4.8			NA			4.2			4.6					
1,2-Dichlorobenzene-d4	4.8			4.8			NA			4.6			4.4					

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TB-C5			23W			22W			13W			43W			14W		
Sample ID :	Y5QD8			Y5QD9			Y5QE0			Y5QE1			Y5QE2			Y5QE3		
Collection Date :	1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010			1/18/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	R		0.060J	R		0.052J	R		0.056J	R		0.050J	R		0.082J	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	14WMS			14WMSD			TB-C6			D2W			12W			11W		
Sample ID :	Y5QE4			Y5QE5			Y5QE6			Y5QE7			Y5QE8			Y5QE9		
Collection Date :	1/18/2010			1/18/2010			1/19/2010			1/19/2010			1/19/2010			1/19/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.082J	R		0.079J	R		0.10U	R		0.10U	R		0.10U	R		0.10U	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39358 SDG No. : Y5QD8 **Table 1A**

Site : CTS PRINTEX, INC

Lab : COMPUCHEM

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	TB-C7			MIP4-1W			Method Blank			Method Blank			Method Blank					
Sample ID :	Y5QF0			Y5QF1			VBLKNV			VBLKNX			VHBLKZS			CRQL		
Collection Date :	1/20/2010			1/20/2010														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride	0.10U	U		0.15			0.10U	R		0.10U	U		0.10U	U		0.10		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/kg (Dry Weight)

Analysis Type : Low Level Soil Samples for Volatiles

Station Location :	MIP-4-1-SS									Method Blank			Method Blank					
Sample ID :	Y61C5			Y61C5MS			Y61C5MSD			VBLKS1			VHBLKS1			CRQL		
Collection Date :	2/25/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Chloromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Vinyl chloride	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Bromomethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Chloroethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Trichlorofluoromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,1-Dichloroethene	6.1U	U		47			41			5.0U	U		5.0U	U		5.0		
1,1,2-Trichloro-1,2,2-trifluoro	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Acetone	12JB	U		11JB	U		9.6U	U		5.3J	J		10U	U		10		
Carbon disulfide	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Methyl acetate	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Methylene chloride	6.1JB	U		5.3JB	U		4.8JB	U		0.23J	J		5.0U	U		5.0		
trans-1,2-Dichloroethene	0.37J	J		1.1J	J		0.57J	J		5.0U	U		5.0U	U		5.0		
Methyl tert-butyl ether	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,1-Dichloroethane	6.1U	U		1.0J	J		0.55J	J		5.0U	U		5.0U	U		5.0		
cis-1,2-Dichloroethene	3.3J	J		8.6			5.7			5.0U	U		5.0U	U		5.0		
2-Butanone	12U	U		11U	U		9.6U	U		10U	U		10U	U		10		
Bromochloromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Chloroform	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,1,1-Trichloroethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Cyclohexane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Carbon tetrachloride	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Benzene	6.1U	U		48			44			5.0U	U		5.0U	U		5.0		
1,2-Dichloroethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,4-Dioxane	120U	R		110U	R		96U	R		100U	R		100U	R		100		
Trichloroethene	6.8			65			54			5.0U	U		5.0U	U		5.0		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/kg (Dry Weight)

Analysis Type : Low Level Soil Samples for Volatiles

Station Location :	MIP-4-1-SS									Method Blank			Method Blank					
Sample ID :	Y61C5			Y61C5MS			Y61C5MSD			VBLKS1			VHBLKS1			CRQL		
Collection Date :	2/25/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Methylcyclohexane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,2-Dichloropropane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Bromodichloromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
cis-1,3-Dichloropropene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
4-Methyl-2-Pentanone	12U	U		11U	U		9.6U	U		10U	U		10U	U		10		
Toluene	6.1JB	U		47B			43B			0.11J	J		5.0U	U		5.0		
trans-1,3-Dichloropropene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,1,2-Trichloroethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Tetrachloroethene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
2-Hexanone	12U	U		11U	U		9.6U	U		10U	U		10U	U		10		
Dibromochloromethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,2-Dibromoethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Chlorobenzene	6.1U	U		47			44			5.0U	U		5.0U	U		5.0		
Ethylbenzene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
o-Xylene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
m,p-Xylene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Styrene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Bromoform	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
Isopropylbenzene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,1,2,2-Tetrachloroethane	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,3-Dichlorobenzene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,4-Dichlorobenzene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,2-Dichlorobenzene	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,2-Dibromo-3-chloropropan	6.1U	U		5.3U	U		4.8U	U		5.0U	U		5.0U	U		5.0		
1,2,4-Trichlorobenzene	6.1U	U		5.3U	U		4.8U	U		0.34J	J		5.0U	U		5.0		
1,2,3-Trichlorobenzene	6.1U	U		5.3U	U		4.8U	U		0.72J	J		5.0U	U		5.0		

ANALYTICAL RESULTS
Table 1A

Case No. : 39531 SDG No. : Y61B7
Site : CTS PRINTEX, INC.
Lab : ALS Laboratory Group
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/kg (Dry Weight)

Analysis Type : Low Level Soil Samples for Volatiles

Station Location :	MIP-4-1-SS									Method Blank			Method Blank					
Sample ID :	Y61C5			Y61C5MS			Y61C5MSD			VBLKS1			VHBLKS1			CRQL		
Collection Date :	2/25/2010																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Vinyl chloride-d3	60			58			51			52			51			NA		
Chloroethane-d5	57			54			46			50			49			NA		
1,1-Dichloroethene-d2	48			51			45			34			35			NA		
2-Butanone-d5	120			140			150			80			98			NA		
Chloroform-d	61			49			45			46			46			NA		
1,2-Dichloroethane-d4	60			53			50			48			51			NA		
Benzene-d6	59			49			44			45			44			NA		
1,2-Dichloropropane-d6	56			46			43			42			42			NA		
Toluene-d8	58			49			43			45			45			NA		
trans-1,3-Dichloropropene-d	57			49			46			46			47			NA		
2-Hexanone-d5	110			130			130			81			94			NA		
1,4-Dioxane-d8	690			850			920			800			930			NA		
1,1,2,2-Tetrachloroethane-d	49			48			48			43			45			NA		
1,2-Dichlorobenzene-d4	56			50			46			46			48			NA		
Percent Solids	86.92%			86.92%			86.92%			100%			100%			NA		

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation LImit
N/A - Not Applicable
NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank,
TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Case No. : 39531 SDG No. : Y61B7 **Table 1A**

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	8W			TB-C8			7W			44W			21W			25W		
Sample ID :	Y61B7			Y61B8			Y61B9			Y61C0			Y61C1			Y61C2		
Collection Date :	2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		5.0U	U		5.9			5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.12J	J		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.40J	J		0.42J	J		0.17J	J		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.35J	J		0.35J	J		1.1			0.11J	J	
cis-1,2-Dichloroethene	0.62			0.50U	U		1.5			1.4			0.40J	J		4.5		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.19J	J		0.50U	U		0.33J	J		0.32J	J		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	3.7			0.50U	U		7.4			7.3			0.50U	U		2.6		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	8W			TB-C8			7W			44W			21W			25W		
Sample ID :	Y61B7			Y61B8			Y61B9			Y61C0			Y61C1			Y61C2		
Collection Date :	2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.26J	J		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		2.0			0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.5			4.8			4.7			4.8			4.8			4.7		

ANALYTICAL RESULTS

Case No. : 39531 SDG No. : Y61B7 **Table 1A**

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	8W			TB-C8			7W			44W			21W			25W		
Sample ID :	Y61B7			Y61B8			Y61B9			Y61C0			Y61C1			Y61C2		
Collection Date :	2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010			2/24/2010		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.7			5.0			4.8			4.9			4.9			4.9		
1,1-Dichloroethene-d2	3.9			4.1			4.0			4.0			4.0			4.0		
2-Butanone-d5	45			29			44			45			44			43		
Chloroform-d	5.2			4.8			5.2			5.2			5.2			5.1		
1,2-Dichloroethane-d4	5.3			4.2			5.3			5.3			5.2			5.2		
Benzene-d6	5.1			5.6			5.1			5.2			5.2			5.2		
1,2-Dichloropropane-d6	4.9			4.7			4.9			4.9			5.0			4.9		
Toluene-d8	5.2			5.8			5.2			5.3			5.3			5.3		
trans-1,3-Dichloropropene-d	5.5			4.6			5.3			5.5			5.5			5.4		
2-Hexanone-d5	46			30			46			47			44			45		
1,1,2,2-Tetrachloroethane-d	5.3			3.9			5.5			5.8			5.8			5.4		
1,2-Dichlorobenzene-d4	5.1			4.9			5.3			5.3			5.2			5.2		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 39531 SDG No. : Y61B7
Site : CTS PRINTEX, INC.
Lab : ALS Laboratory Group
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C9			TW5-S1			MIP-4-1-GW									Method Blank		
Sample ID :	Y61C3			Y61C4			Y61C6			Y61B7MS			Y61B7MSD			VBLKT1		
Collection Date :	2/25/2010			2/25/2010			2/25/2010											
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.14J	J		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.34J	J		4.7	J		5.9	J		5.4			0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.21J	J		0.11J	J		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	1.3			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		3.8	J		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.57			8.7			0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		7.3			46E	J		3.5	J		0.98			0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.29J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.79			1.2			0.32J	J		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		5.3			5.1			0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		1.4			38E			21E	J		10	J		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C9			TW5-S1			MIP-4-1-GW									Method Blank		
Sample ID :	Y61C3			Y61C4			Y61C6			Y61B7MS			Y61B7MSD			VBLKT1		
Collection Date :	2/25/2010			2/25/2010			2/25/2010											
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.28J	J		0.50U	U		5.3			5.1			0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		5.3			5.3			0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.8			4.8			4.7			4.5			4.4			4.7		

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	TB-C9			TW5-S1			MIP-4-1-GW									Method Blank		
Sample ID :	Y61C3			Y61C4			Y61C6			Y61B7MS			Y61B7MSD			VBLKT1		
Collection Date :	2/25/2010			2/25/2010			2/25/2010											
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.9			4.9			4.9			4.8			4.7			4.9		
1,1-Dichloroethene-d2	4.0			4.0			5.2			5.4			5.2			4.0		
2-Butanone-d5	45			43			42			43			46			49		
Chloroform-d	5.2			5.2			5.0			5.1			5.2			5.1		
1,2-Dichloroethane-d4	5.3			5.2			4.8			5.1			5.4			4.9		
Benzene-d6	5.2			5.2			5.4			5.3			5.1			5.2		
1,2-Dichloropropane-d6	4.9			4.9			4.8			4.9			4.9			4.8		
Toluene-d8	5.3			5.3			5.5			5.5			5.2			5.4		
trans-1,3-Dichloropropene-d	5.5			5.4			5.1			5.4			5.5			5.2		
2-Hexanone-d5	46			46			43			46			49			46		
1,1,2,2-Tetrachloroethane-d	5.8			5.4			5.0			5.3			5.5			4.8		
1,2-Dichlorobenzene-d4	5.4			5.3			5.1			4.8			5.1			5.2		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKT2			VHBLKT1			CRQL			Y61C6DL								
Collection Date :																		
Dilution Factor :	1.0			1.0						5.0								
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Chloromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Vinyl chloride	0.50U	U		0.50U	U		0.50			2.5U	U							
Bromomethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Chloroethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50			5.3D								
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50			2.5U	U							
Acetone	5.0U	U		5.0U	U		5.0			25U	U							
Carbon disulfide	0.50U	U		0.50U	U		0.50			2.5U	U							
Methyl acetate	0.50U	U		0.50U	U		0.50			2.5U	U							
Methylene chloride	0.50U	U		0.50U	U		0.50			2.5U	U							
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50			4.1D								
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50			2.5U	U							
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50			8.7D								
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50			48D								
2-Butanone	5.0U	U		5.0U	U		5.0			25U	U							
Bromochloromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Chloroform	0.50U	U		0.50U	U		0.50			2.5U	U							
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50			0.79JD	J							
Cyclohexane	0.50U	U		0.50U	U		0.50			2.5U	U							
Carbon tetrachloride	0.50U	U		0.50U	U		0.50			2.5U	U							
Benzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Trichloroethene	0.50U	U		0.50U	U		0.50			42D								
Methylcyclohexane	0.50U	U		0.50U	U		0.50			2.5U	U							

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKT2			VHBLKT1			CRQL			Y61C6DL								
Collection Date :																		
Dilution Factor :	1.0			1.0						5.0								
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50			2.5U	U							
Bromodichloromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50			2.5U	U							
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0			25U	U							
Toluene	0.50U	U		0.50U	U		0.50			2.5U	U							
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Tetrachloroethene	0.50U	U		0.50U	U		0.50			2.5U	U							
2-Hexanone	5.0U	U		5.0U	U		5.0			25U	U							
Dibromochloromethane	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50			2.5U	U							
Chlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
Ethylbenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
o-Xylene	0.50U	U		0.50U	U		0.50			2.5U	U							
m,p-Xylene	0.50U	U		0.50U	U		0.50			2.5U	U							
Styrene	0.50U	U		0.50U	U		0.50			2.5U	U							
Bromoform	0.50U	U		0.50U	U		0.50			2.5U	U							
Isopropylbenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50			2.5U	U							
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U							
Vinyl chloride-d3	4.5			4.5			NA			4.5								

ANALYTICAL RESULTS

Page ____ of ____

Case No. : 39531 SDG No. : Y61B7

Table 1A

Site : CTS PRINTEX, INC.

Lab : ALS Laboratory Group

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKT2			VHBLKT1			CRQL			Y61C6DL								
Collection Date :																		
Dilution Factor :	1.0			1.0						5.0								
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.8			4.7			NA			4.8								
1,1-Dichloroethene-d2	3.9			4.0			NA			4.2								
2-Butanone-d5	52			45			NA			39								
Chloroform-d	5.0			5.2			NA			5.2								
1,2-Dichloroethane-d4	4.8			5.3			NA			5.0								
Benzene-d6	5.2			5.2			NA			5.3								
1,2-Dichloropropane-d6	4.7			5.0			NA			4.9								
Toluene-d8	5.4			5.4			NA			5.4								
trans-1,3-Dichloropropene-d	5.0			5.5			NA			5.3								
2-Hexanone-d5	51			46			NA			41								
1,1,2,2-Tetrachloroethane-d	4.6			5.5			NA			4.9								
1,2-Dichlorobenzene-d4	5.1			4.9			NA			4.9								

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample