8976 Wellington Road
Manassas, VA 20109

December 10, 2009

Robert C. Knizek, P.E.
Director, Remedial Bureau E
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: Transmittal of Semiannual Report – Soil Vapor Monitoring Through October 2009
Comprehensive Operations, Maintenance and Monitoring Program
Order on Consent Index # A7-0502-0104, Site # 704014

Dear Mr. Knizek:

Enclosed with this transmittal letter please find our report that has been prepared in accordance with the requirements set forth in the referenced Order on Consent.

Should you have any questions concerning this submittal, please contact me at (703) 257-1606.

Sincerely,

M. E. Meyers

Mitchell E. Meyers
Program Manager

cc: K. Lynch, NYSDEC Region 7
D. Tuohy, NYSDEC - Albany
G. Litwin, NYSDOH – Troy
R. Denz, Broome County Health Department

SHA

IMPROVING EARTH

SEMIANNUAL REPORT
SOIL VAPOR MONITORING THROUGH OCTOBER 2009

Comprehensive Operations, Maintenance & Monitoring Program
Endicott, New York

SANBORN, HEAD & ASSOCIATES, INC.

SHA
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SANBORN, HEAD & ASSOCIATES, INC.
95 High Street ■ Portland, ME 04101
P (207) 761-9300 ■ F (207) 761-9339
www.sanbornhead.com

December 10, 2009

File No. 2755.03

Mr. Mitchell E. Meyers
IBM Corporate Environmental Affairs
8976 Wellington Road
Manassas, Virginia 20110

Re: Semiannual Report
Soil Vapor Monitoring Through October 2009
Comprehensive Operations, Maintenance, and Monitoring Program
Endicott, New York

Dear Mr. Meyers:

We have enclosed our report summarizing soil vapor monitoring conducted in the Village of Endicott and the Town of Union, New York, through October 2009. The monitoring is being conducted as a component of the Comprehensive Operations, Maintenance, and Monitoring Plan (COM&M Plan). The work is part of IBM's required activities under Administrative Order on Consent #A7-0502-0104 (Order) as agreed upon between IBM and the New York Department of Environmental Conservation (NYSDEC).

We understand that this report will be submitted to the NYSDEC as a part of required deliverables under the Order. Thank you for the opportunity to be of service on this important project.

Very truly yours,

SANBORN, HEAD & ASSOCIATES, INC.

Daniel B. Carr, P.E., P.G.
Principal and Vice President

Erica M. Bradstreet
Senior Project Geologist

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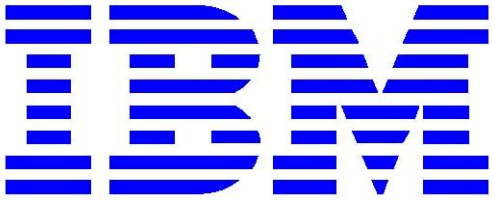
SEMI-ANNUAL REPORT
SOIL VAPOR MONITORING THROUGH OCTOBER 2009

Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, NY

Prepared for
IBM Corporate Environmental Affairs



Prepared by
Sanborn, Head & Associates, Inc.

File 2755.03
December 2009

TABLE OF CONTENTS

EXECUTIVE SUMMARY

This report presents the findings of routine soil vapor monitoring in the Groundwater Vapor Project area within the Village of Endicott and Town of Union, New York. The monitoring is being conducted at fixed locations within and along the borders of properties to which IBM offered ventilation systems to address the potential for vapor intrusion. The monitoring program has been in place since mid-2004 to track the presence of certain volatile organic compounds (VOCs) – principally trichloroethene (TCE) – that drove the decision for IBM to offer ventilation systems to the property owners.

The text, tables, and figures of this report present the data derived from sampling and laboratory analysis conducted bi-monthly from June through October 2009. It also summarizes a review of apparent trends in groundwater and soil vapor concentrations over the entire period of monitoring.

Since the monitoring program has been in place, concentrations of TCE in soil gas have generally declined out of proportion to improvements in groundwater quality, particularly at foundation depth. A reduced presence of TCE in soil vapor has been observed both in areas where additional groundwater extraction has been implemented and where no additional remedial actions have been conducted to date.

The data support that the reduction in soil vapor concentrations- and hence reduced vapor intrusion potential- reflect the influence of a combination of IBM's groundwater remediation efforts and suppression of vapor migration by natural processes associated with above-average precipitation since the monitoring began over four years ago. We believe that the data support that fewer properties would require ventilation if vapor intrusion investigations began now. The data continue to demonstrate a high degree of repeatability and continue to support the limits of ventilation as protective.

1.0 INTRODUCTION

This Semiannual Report for the Endicott Soil Vapor Monitoring Program (Semiannual Report) summarizes the findings of routine soil vapor monitoring program completed through October 2009 under IBM's Comprehensive Operations, Maintenance and Monitoring Plan (COM&M Plan). The objective of the program is to monitor for changes in the presence of certain volatile organic compounds (VOCs) that drove decisions for installation of ventilation systems to address potential for vapors to enter human occupied structures (vapor intrusion potential).

Sanborn Head & Associates, Inc. (SHA) prepared this report for IBM's submittal to the New York Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH), collectively the "Agencies", as a component of deliverables that IBM agreed to provide under the COM&M Plan. SHA's services and this document are subject to the limitations outlined in the text and Appendix A.

1.1 Background

IBM has installed and is maintaining ventilation systems in buildings within certain areas of the Village of Endicott, and Town of Union, New York. The ventilation systems were installed to address vapor intrusion potential. The geographic limits of properties offered ventilation systems are shown on Figure 1. The limits of ventilation were established based on concurrent sampling of indoor air, substructure soil vapor, and ambient air at representative properties in the first four months of 2003 and confirmed through sampling conducted during two subsequent heating seasons. The soil vapor monitoring program began in August 2004.

Trichloroethene (TCE) is the primary VOC found in soil vapor within the largest contiguous ventilation area. Other compounds including 1,1,1-Trichloroethane (TCA), Tetrachloroethene (PCE) and their biochemical breakdown products are also found in this area, but at lower frequencies of detection and generally at lower concentrations.

Collection, field screening, and laboratory analysis of soil gas samples was conducted on a monthly basis for fifteen consecutive months from August 2004 to October 2005 and has been conducted bi-monthly since that time. Soil gas samples are collected from permanent installations, referred to as "implants" which are located within and along the periphery of the ventilation areas. The samples are submitted for laboratory analysis for a target list of VOCs. The implant locations are shown on Figure 1, relative to the ventilation areas and the nearby monitoring, extraction, and injection wells.

Where the depth to water table was sufficient, the implants include one installed proximate to the water table observed at the time of installation (water table depth), and one installed at a depth of 7 to 8 feet below ground surface (bgs) which is roughly equivalent to foundation depth for structures with basements (foundation depth).

Data from the water table depth implants were intended for use as a primary indicator of soil vapor concentration trends, driven primarily by changes in groundwater levels and quality. The

data from foundation depth implants have been used to assess possible trends in soil vapor concentrations that may indicate changes in vapor intrusion potential. In some locations where the water table is relatively deep, intermediate depth implants were also installed and have been monitored. The implant completion details are summarized in Table 1.

1.2 Scope of Work

Since submittal of the last Report[1], routine bi-monthly soil vapor monitoring has been conducted in June, August and October 2009. The sampling scope for each event is listed in Table B.1 in Appendix B. Beginning in late September 2009, samples were collected from two locations associated with the Former Ideal Cleaners site (OU#4)[2]. The data was tabulated and reviewed and used to prepare graphical summaries depicting groundwater and soil vapor data for TCE as presented in Appendix B.3 as Figures B.1 through B.37. A tabular summary of soil vapor data recorded during the last 12 months is provided on compact disc in Appendix C.

1.3 Climatic Conditions and Groundwater Levels during the Monitoring Period

The soil vapor sampling was conducted under a variety of climatic conditions and under conditions of variable groundwater levels. Climatic and groundwater level measurements recorded during the period were reviewed as a context for the findings discussed in Section 2.0.

Soil vapor concentrations are influenced by the moisture content of soils located between the water table and the ground surface (vadose zone soils). VOC mass transport occurs predominantly in the inter-granular pore space that contains variable amounts of water and gas. In general, infiltration of water into the vadose zone is expected to increase during wet weather outside the growing season when evapotranspiration is minimal, and decline during dry weather in the growing season when vegetation is withdrawing moisture from the subsurface.

Figure 2 depicts the deviation from average monthly precipitation through September 2009 as a context for the soil vapor monitoring program. Above average precipitation has been recorded from late 2003, after the ventilation limits had largely been established. On a monthly basis, average precipitation has been both above and below normal, however through September 2009, the cumulative deviation from monthly average precipitation is an excess of about 30 inches.

As shown on Figures B.2.1 and B.2.2 in Appendix B, the last three sampling events were conducted under rising, steady, and falling barometric pressure conditions. Approximately one

[1] Sanborn, Head & Associates, Inc., June 12, 2009, Annual Report, Soil Vapor Monitoring Through April 2009.

[2] *In August 2008, IBM installed two vapor implants at OU#4 as part of a remediation pilot study. Full scale remediation was initiated in September 2009, when an additional soil vapor implant was installed. The locations of the points designated EN08-39S and EN09-40S are shown on Figure 1. The initial round of sampling was completed in late September 2009. Since that time, the sampling was has been conducted bi-weekly by SHA personnel.*

inch, one half inch, and two tenths of an inch of precipitation were recorded during the June, August, and October 2009 sampling events, respectively.

In November 2008, IBM initiated re-injection of treated groundwater at EN-510T, located west and upgradient of the largest contiguous ventilation area along Monroe Street as shown on Figure 1. The injection was initiated at 75 gallons per minute (gpm) and increased to about 100 and 110 gpm in February and July 2009, respectively. On May 26, 2009 injection was initiated at EN-92T and has continued at about 40 to 50 gpm. During the soil vapor monitoring period, groundwater levels have continued to rise in the area centered on Monroe Street and Garfield Avenue with about 3 feet near EN04-11 between May 2008 and May 2009.

Figure 1 depicts groundwater contours and dewatered "dry" areas as depicted by Groundwater Sciences Corporation (GSC)[3] based on water level data recorded in early May 2009 before beginning injection at EN-92T. For additional discussion regarding groundwater level and quality trends, the reader is referred to the GSC Semiannual Groundwater Monitoring Status Report referenced below.

2.0 DATA AND FINDINGS

Overall, the data from sampling of soil vapor monitoring points continue to support the geographic limits of ventilation as protective. TCE concentrations at foundation depth near and within the limits of ventilation have generally declined, or have not materially increased, at the majority of monitoring locations since the limits of ventilation were established. The data recorded in three monitoring events conducted since April 2009 continue to show a pattern of declining concentrations from the fall through spring followed by increasing concentrations during summer months. As documented in past reports, we believe that this cyclic pattern now observed for the five year period can be explained by cycling of moisture in the vadose zone.

Plan view graphics to aid in communicating soil vapor concentrations data are included in the report as Figure 3. Figures 3A and 3B were generated based on the arithmetic average of TCE data recorded through sampling during the first non-heating season after vapor implants were installed (summer 2004), and Figures 3C and 3D reflect averages for data recorded in the last non-heating season (summer 2009). Accordingly, the images depict data from sampling from both foundation depth and water table depth, about five years apart. The images support an overall reduced presence of TCE, both at foundation depth and the water table depth implants since establishment of the limits of ventilation. Data recorded in sampling of soil vapor at the two soil vapor implants in the OU#4 are summarized in a memorandum report included as Appendix B.4.

[3] Groundwater Sciences Corporation, October 15, 2009, Semiannual Groundwater Data Summary Report, Endicott, New York. *Figure 1-3, Groundwater Elevation Contour Map Upper Aquifer Water Table – May 5, 2009, received electronically November 5, 2009.*

3.0 CONCLUSIONS AND RECOMMENDATIONS

IBM has successfully implemented a program of soil vapor monitoring for over five years since substantial establishment of the limits of ventilation. The data continue to support the limits of ventilation as conservative in that all of the monitoring locations near the ventilation limits have exhibited only trace concentrations, or a stable or declining VOC presence. Overall, the data continue to indicate a declining VOC presence in soil vapor out of proportion to improvements in groundwater quality and apparently attributable to both natural processes and IBM's groundwater remediation efforts.

We recommend that the frequency of soil vapor monitoring remain on a bi-monthly basis or six times per year to continue to capture the seasonal variation and to provide sufficient data to continue to discern seasonal from longer-term trends.

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TABLES

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TABLE 1
Summary of Soil Vapor Monitoring Implants
Semiannual Report - Soil Vapor Monitoring Through October 2009
Comprehensive Operations, Maintenance, and Monitoring Program
Endicott, New York

Location Designation [1]	Installation Date	Implant Type [2]		Subsurface Conditions at Installation				Completion Details	Groundwater Conditions At Installation			May 2008 Groundwater Conditions		
		Remediation Progress Monitoring	Ventilation Perimeter Monitoring	Nearby Monitoring Well [3]	Date Recorded/ Depth to Water Table [4]	Nominal Implant Depth (ft. bgs)	Inferred Stratum Screened		Distance Above Water Table [5] (ft)	Vadose Zone Between Shallow and Deep Implants [6] (ft)	Saturated Screened Interval [7] (ft)	Distance Above Water Table [5] (ft)	Saturated Screened Interval [7] (ft)	Difference [8] (ft)
EN04-1S	Jul-04		X	EN-094	7/26/04 28.47	8	Fill Over Sand	0-1' Concrete Surface Seal 1-6.8 Bentonite Seal 6.8-8.5' Sand Filter Pack 8-8.5' Screened Interval	5.5	13.5	10.5	6.8	9.2	-1.3
EN04-1D	Jul-04					23	Sand	0-1' Concrete Surface Seal 1-22' Bentonite Seal 22-23' Glass Bead Filter Pack 22.5-23' Screened Interval						
EN04-2S	Jul-04	X		EN-450	8/5/04 25.17	8	Fill	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	5.2	11	4.8	8	2	-2.8
EN04-2D	Jul-04					20	Sand & Gravel	0-1' Concrete Surface Seal 1-19' Bentonite Seal 19-20' Glass Bead Filter Pack 19.5-20' Screened Interval						
EN04-3S	Jul-04		X	EN-203	7/26/04 24.86	8	Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	5.9	10	10.1	11.6	4.4	-5.7
EN04-3D	Jul-04					19	Sand	0-1' Concrete Surface Seal 1-18' Bentonite Seal 18-19' Glass Bead Filter Pack 18.5-19' Screened Interval						
EN04-4S	Jul-04		X	EN-022	8/5/04 22.98	8	Fill	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	6	8	0	6	0	0
EN04-4D	Jul-04					17	Gravel	0-1' Concrete Surface Seal 1-16' Bentonite Seal 16-17' Glass Bead Filter Pack 16.5-17' Screened Interval						
EN04-5S	Jul-04		X	EN-459A	8/18/04 40.01	8	Sand & Gravel	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	5	25	10	6.2	8.8	-1.2
EN04-5D	Jul-04					34	Sand	0-1' Concrete Surface Seal 1-33' Bentonite Seal 33-34' Glass Bead Filter Pack 33.5-34' Screened Interval						
EN04-6S	Jul-04		X	EN-310	7/29/04 <28	8	Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	1	18	0	1	0	0
EN04-6D	Jul-04					27	Sand & Gravel	0-1' Concrete Surface Seal 1-26' Bentonite Seal 26-27' Screened Filter Pack 26.5-27' Screened Interval						
EN04-7S	Jul-04	X		EN-311	7/28/04 43.7	8	Sand Over Sand & Gravel	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	9.7	25	1.3	9.2	1.8	0.5
EN04-7D	Jul-04					34	Poorly Sorted Sand	0-1' Concrete Surface Seal 1-33' Bentonite Seal 33-34' Glass Bead Filter Pack 33.5-34' Screened Interval						

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EN04-8S	Jul/Aug-02	X		EN-430	4/16/04 20.84	8	Sand & Gravel	0-2' Concrete Surface Seal 2-6.75' Bentonite Seal 6.75-7.75' Glass Bead Filter Pack	8	2.8	2.2	NM	NM	NM
EN04-8D	Jul/Aug-02					12	Sand & Gravel	0-2' Concrete Surface Seal 2-10.5' Bentonite Seal 10.5-11.7' Glass Bead Filter Pack						
EN04-9S	Jul/Aug-02	X		EN-279	11/3/03 26.23	8	Welll Sorted Sand	0-2' Concrete Surface Seal 2-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	6	11	8	9.5	4.5	-3.5
EN04-9D	Jul/Aug-02					20	Well Sorted Sand	0-2' Concrete Surface Seal 2-19' Bentonite Seal 19-20' Glass Bead Filter Pack 19.5-20' Screened Interval						
EN04-10S	Jul/Aug-02	X		EN-077	11/3/04 26.18	8	Gravel	0-2' Concrete Surface Seal 2-6.5' Bentonite Seal 6.5-7.5' Glass Bead Filter Pack 7-7.5' Screened Interval	6.3	11.2	1.3	6.4	1.2	-0.1
EN04-10D	Jul/Aug-02					20	Well Sorted Sand	0-2' Concrete Surface Seal 2-18.7' Bentonite Seal 18.7-19.7' Glass Bead Filter Pack						
EN04-11S	Jul-04	X		EN-215A	7/29/04 28.17	8	Well Sorted Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8.5' Sand Filter Pack 8-8.5' Screened Interval	7.2	11.5	7.2	14.4	0	-7.2
EN04-11D	Jul-04					21	Well Sorted Sand	0-1' Concrete Surface Seal 1-20' Bentonite Seal 20-21' Glass Bead Filter Pack 20.5-21' Screened Interval						
EN04-12S	Jul-04	X		EN-214A	7/30/04 25.18	8	Sand & Gravel	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	6.2	10	11.8	11.6	6.4	-5.4
EN04-12D	Jul-04					19	Sand & Gravel	0-1' Concrete Surface Seal 1-18' Bentonite Seal 18-19' Glass Bead Filter Pack 18.5-19' Screened Interval						
EN04-13S	Jul-04	X		EN-449	7/29/04 36.05	8	Well Sorted Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	6	21	13.5	10.8	8.7	-4.8
EN04-13D	Jul-04					30	Sand & Gravel	0-1' Concrete Surface Seal 1-29' Bentonite Seal 29-30' Glass Bead Filter Pack 29.5-30' Screened Interval						
EN04-14S	Jul-04	X		EN-462	8/5/04 40.09	8	Sand & Gravel	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	5	25	4	5.1	3.9	-0.1
EN04-14D	Jul-04					34	Poorly Sorted Sand	0-1' Concrete Surface Seal 1-33' Bentonite Seal 33-34' Glass Bead Filter Pack 33.5-34' Screened Interval						

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		Remediation Progress Monitoring	Ventilation Perimeter Monitoring	Nearby Monitoring Well [3]	Date Recorded/ Depth to Water Table [4]	Nominal Implant Depth (ft. bgs)	Inferred Stratum Screened		Distance Above Water Table [5] (ft)	Vadose Zone Between Shallow and Deep Implants [6] (ft)	Saturated Screened Interval [7] (ft)	Distance Above Water Table [5] (ft)	Saturated Screened Interval [7] (ft)	Difference [8] (ft)
EN04-15S	Jul-04		X	EN-162	7/29/04 35.33	8	Well Sorted Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	5.3	21	6.2	6.9	4.6	-1.6
EN04-15D	Jul-04					30	Sand & Gravel	0-1' Concrete Surface Seal 1-29' Bentonite Seal 29-30' Glass Bead Filter Pack 29.5-30' Screened Interval						
EN04-16S	Jul-04	X		EN-206	7/27/04 39.54	8	Fill	0-1' Concrete Surface Seal 1-7.3' Bentonite Seal 7.3-8.5' Sand Filter Pack 8-8.5' Screened Interval	5.5	24.5	10.5	8.4	7.6	-2.9
EN04-16D	Jul-04					34	Sand & Gravel	0-1' Concrete Surface Seal 1-33' Bentonite Seal 33-34' Glass Bead Filter Pack 33.5-34' Screened Interval						
EN04-17S	Jul-04	X		EN-401	7/29/04 35.5	8	Sand & Gravel	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	7.5	19	3.5	9.2	1.8	-1.7
EN04-17D	Jul-04					28	Sand & Gravel	0-1' Concrete Surface Seal 1-27' Bentonite Seal 27-28' Glass Bead Filter Pack 27.5-28' Screened Interval						
EN04-18S	Jul-04		X	EN-217A	7/29/04 36.69	8	Sand & Gravel	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	5.9	22	5.3	8.5	2.7	-2.6
EN04-18D	Jul-04					31	Sand & Gravel	0-1' Concrete Surface Seal 1-30' Bentonite Seal 30-31' Glass Bead Filter Pack 30.5-31' Screened Interval						
EN04-19S	Jul-04	X		EN-426	7/26/04 35.39	8	Sand & Gravel	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	5.9	20.5	4.6	7.2	3.3	-1.3
EN04-19D	Jul-04					29.5	Sand & Gravel	0-1' Concrete Surface Seal 1-28.5' Bentonite Seal 28.5-29.5' Glass Bead Filter Pack						
EN04-20S	Jul-04		X	EN-207	7/27/04 43.2	8	Gravel	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	7.7	25.5	4.3	8.1	3.9	-0.4
EN04-20I	Jul-04					24	Gravel	0-1' Concrete Surface Seal 1-23' Bentonite Seal 23-24' Glass Bead Filter Pack 23.5-24' Screened Interval		9.5				
EN04-20D	Jul-04					36	Sand	0-1' Concrete Surface Seal 1-20' Formation Material 20-33.5' Bentonite Seal 33.5-35.5' Glass Bead Filter Pack						

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EN04-21S	Jul-04		X	EN-468	10/14/04 34.43	7.5	Sand & Gravel	0-1' Concrete Surface Seal 1-6.5' Bentonite Seal 6.5-7.5' Glass Bead Filter Pack 7-7.5' Screened Interval	12	14.5	4	14.2	1.8	-2.2
EN04-21D	Jul-04					23	Sand & Gravel	0-1' Concrete Surface Seal 1-12' Formation Material 12-22' Bentonite Seal 22-23' Glass Bead Filter Pack 22.5-23' Screened Interval						
EN04-22S	Jul/Aug-02	X		EN-80* and EN-393*	7/27/04 18.75	8	Well Sorted Sand	0-2' Concrete Surface Seal 2-7.1' Bentonite Seal 7.1-7.5' Glass Bead Filter Pack 7.5-8' Screened Interval	2.8	7	6	2.5	6.3	0.3
EN04-22D	Jul/Aug-02					16	Well Sorted Sand	0-2' Concrete Surface Seal 2-15' Bentonite Seal 15-16' Glass Bead Filter Pack 15.5-16' Screened Interval						
EN04-23S	Jul-04		X	EN-174	7/30/04 26.48	8	Well Sorted Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	3.5	14	4.5	5.4	2.6	-1.9
EN04-23I	Jul-04					15	Well Sorted Sand	0-1' Concrete Surface Seal 1-14' Bentonite Seal 14-15' Glass Bead Filter Pack 14.5-15' Screened Interval		7				
EN04-23D	Jul-04					23	Well Sorted Sand	0-1' Concrete Surface Seal 1-22' Bentonite Seal 22-23' Glass Bead Filter Pack 22.5-23' Screened Interval						
EN04-24S	Jul-04		X	EN-65	7/29/04 22.89	8	Fill	0-1' Concrete Surface Seal 1-6.5' Bentonite Seal 6.5-8.5' Sand Filter Pack 8-8.5' Screened Interval	3.9	9.5	17.8	5.6	16.1	-1.7
EN04-24D	Jul-04					19	Poorly Sorted Sand	0-1' Concrete Surface Seal 1-18' Bentonite Seal 18-19' Glass Bead Filter Pack 18.5-19' Screened Interval						
EN04-25S	Aug-04		X	EN-395	7/29/04 18.88	8	Fill	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	1.4	8.5	5	1.7	4.7	-0.3
EN04-25D	Aug-04					17.5	Sand & Gravel	0-1' Concrete Surface Seal 1-16.5' Bentonite Seal 16.5-17.5' Glass Bead Filter Pack						
EN04-26S	Jul-04	X		EN-304	7/30/04 17.39	8	Sand & Gravel	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	3.4	5	6.6	4.1	5.9	-0.7
EN04-26D	Jul-04					14	Sand & Gravel	0-1' Concrete Surface Seal 1-13' Bentonite Seal 13-14' Glass Bead Filter Pack 13.5-14' Screened Interval						
EN04-27S	Jul-04		X	EN-417A	7/29/04 8.91	8	Fill	0-1' Concrete Surface Seal 1-6' Bentonite Seal 6-7' Glass Bead Filter Pack 6.5-7' Screened Interval	0.9	-	14	NM	NM	NM

TABLE 1
Summary of Soil Vapor Monitoring Implants
Semiannual Report - Soil Vapor Monitoring Through October 2009
Comprehensive Operations, Maintenance, and Monitoring Program
Endicott, New York

Location Designation [1]	Installation Date	Implant Type [2]		Subsurface Conditions at Installation				Completion Details	Groundwater Conditions At Installation			May 2008 Groundwater Conditions		
		Remediation Progress Monitoring	Ventilation Perimeter Monitoring	Nearby Monitoring Well [3]	Date Recorded/ Depth to Water Table [4]	Nominal Implant Depth (ft. bgs)	Inferred Stratum Screened		Distance Above Water Table [5] (ft)	Vadose Zone Between Shallow and Deep Implants [6] (ft)	Saturated Screened Interval [7] (ft)	Distance Above Water Table [5] (ft)	Saturated Screened Interval [7] (ft)	Difference [8] (ft)
EN07-28S	Jun-07					7	Well Sorted Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval						
EN07-28I	Jun-07		X	EN-387A	6/5/2007 22	10	Sand & Gravel	0-1' Concrete Surface Seal 1-9' Bentonite Seal 9-10' Glass Bead Filter Pack 9.5-10' Screened Interval	3	11	9.5	4.9	7.6	-1.9
EN07-28D	Jun-07					19	Well Sorted Sand	0-1' Concrete Surface Seal 1-18' Bentonite Seal 18-19' Glass Bead Filter Pack 18.5-19' Screened Interval						
EN05-29S	4/18/2005					7.5	Well Sorted Sand	0-1' Concrete Surface Seal 1-5.5' Bentonite Seal 5.5-7.5' Glass Bead Filter Pack 7-7.5' Screened Interval						
EN05-29I	4/18/2005	X		EN-437	8/5/04 23.87	12.5	Well Sorted Sand	0-1' Concrete Surface Seal 1-11' Bentonite Seal 11-12.5' Glass Bead Filter Pack 12-12.5' Screened Interval	3.9	11	11.1	10	5	-6.1
EN04-29D	Jul-04					20	Well Sorted Sand	0-1' Concrete Surface Seal 1-19' Bentonite Seal 19-20' Glass Bead Filter Pack 19.5-20' Screened Interval						
EN04-30S	Jul-04					9	Well sorted Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval						
EN04-30D	Jul-04	X		EN-438	8/5/04 26.02	20	Well Sorted Sand	0-1' Concrete Surface Seal 1-19' Bentonite Seal 19-20' Glass Bead Filter Pack 19.5-20' Screened Interval	6	11	8	5.7	8.3	0.3
EN04-31S	Aug-04					10	Well sorted Sand	0-1' Concrete Surface Seal 1-9' Bentonite Seal 9-10 Glass Bead Filter Pack 9.5-10' Screened Interval						
EN04-31D	Aug-04		X	EN-453	8/25/04 19.48	19	Well Sorted Sand	0-1' Concrete Surface Seal 1-18' Bentonite Seal 18-19' Glass Bead Filter Pack 18.5-19' Screened Interval	0.5	8	12	5.1	7.4	-4.6
EN04-32S	Aug-04					8	Well sorted Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval						
EN04-32D	Aug-04		X	EN-457A	8/23/04 21.36	18	Sand	0-1' Concrete Surface Seal 1-17' Bentonite Seal 17-18' Glass Bead Filter Pack 17.5-18' Screened Interval	3.4	9	5	8.4	0	-5

TABLE 1
Summary of Soil Vapor Monitoring Implants
Semiannual Report - Soil Vapor Monitoring Through October 2009
Comprehensive Operations, Maintenance, and Monitoring Program
Endicott, New York

Location Designation [1]	Installation Date	Implant Type [2]		Subsurface Conditions at Installation				Completion Details	Groundwater Conditions At Installation			May 2008 Groundwater Conditions		
		Remediation Progress Monitoring	Ventilation Perimeter Monitoring	Nearby Monitoring Well [3]	Date Recorded/ Depth to Water Table [4]	Nominal Implant Depth (ft. bgs)	Inferred Stratum Screened		Distance Above Water Table [5] (ft)	Vadose Zone Between Shallow and Deep Implants [6] (ft)	Saturated Screened Interval [7] (ft)	Distance Above Water Table [5] (ft)	Saturated Screened Interval [7] (ft)	Difference [8] (ft)
EN05-33S	Apr-05	X		EN-162	4/19/04 34.36	7.5	Well Sorted Sand	0-1' Concrete Surface Seal 1-5.8' Bentonite Seal 5.8-7.5' Glass Bead Filter Pack 7-7.5' Screened Interval	2.3	22.5	6.2	4.9	3.6	-2.6
EN05-33I21	Apr-05					21.5	Well Sorted Sand	0-1' Concrete Surface Seal 1-19' Bentonite Seal 19-21.5' Glass Bead Filter Pack 21-21.5' Screened Interval						
EN05-33I29	Apr-05					29	Poorly Sorted Sand and Gravel	0-1' Concrete Surface Seal 1-27.7' Bentonite Seal 27.7-29' Glass Bead Filter Pack 28.5-29' Screened Interval						
EN05-33D	Apr-05					32	Well Sorted Sand	0-1' Concrete Surface Seal 1-30' Bentonite Seal 30-32' Glass Bead Filter Pack 31.5-32' Screened Interval						
EN05-34S	Apr-05	X		EN-304	4/18/2004 16.67	8	Well Sorted Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval	3.2	4	6.6	4.6	5.2	-1.4
EN05-34I	Apr-05					11	Well Sorted Sand	0-1' Concrete Surface Seal 1-10' Bentonite Seal 10-11' Glass Bead Filter Pack 10.5-11' Screened Interval						
EN05-34D	Apr-05					13.5	Well Sorted Sand	0-1' Concrete Surface Seal 1-12' Bentonite Seal 12-13.5' Glass Bead Filter Pack 13-13.5' Screened Interval						
EN06-35S	Jan-06		X	EN-460A	8/11/04 40.2	8	Well Sorted Sand	0-1' Concrete Surface Seal 1-7.2' Bentonite Seal 7.2-8.5' Glass Bead Filter Pack 7.5-8' Screened Interval	6.2	25.3	10	6.8	9.4	-0.6
EN06-35I16	Jan-06					16	Poorly Sorted Sand and Gravel	8.5-14.7' Bentonite Seal 14.7-16.6' Glass Bead Filter Pack 15.5-16' Screened Interval						
EN06-35I24	Jan-06					24	Well Sorted Sand	16.6-22.3' Bentonite Seal 22.3-24.3' Glass Bead Filter Pack 23.5-24' Screened Interval						
EN06-35D	Jan-06					34	Poorly Sorted Sand and Gravel	24.3-33.3' Bentonite Seal 33.3-34.3' Glass Bead Filter Pack 33.8-34.3' Screened Interval						
EN06-36S	Jan-06		X	EN-459A	8/18/04 40.01	8	Well Sorted Sand	0-1' Concrete Surface Seal 1-6.9' Bentonite Seal 6.9-8.6' Sand Filter Pack 7.5-8.0' Screened Interval	7	23.8	10	8.2	8.8	-1.2
EN06-36I12	Jan-06					12	Poorly Sorted Sand and Gravel	8.6-10.5 Bentonite Seal 10.5-11.5' Glass Bead Filter Pack 11.5-12.' Screened Interval						
EN06-36I22	Jan-06					22	Well Sorted Sand	12.5-20.9' Bentonite Seal 20.9-22.5' Glass Bead Filter Pack 21.5-22.' Screened Interval						
EN06-36D	Jan-06					33	Poorly Sorted Sand and Gravel	22.5-31.8' Bentonite Seal 31.8-34' Glass Bead Filter Pack 32.5-33' Screened Interval						

TABLE 1
Summary of Soil Vapor Monitoring Implants
Semiannual Report - Soil Vapor Monitoring Through October 2009
Comprehensive Operations, Maintenance, and Monitoring Program
Endicott, New York

Location Designation [1]	Installation Date	Implant Type [2]		Subsurface Conditions at Installation				Completion Details	Groundwater Conditions At Installation			May 2008 Groundwater Conditions		
		Remediation Progress Monitoring	Ventilation Perimeter Monitoring	Nearby Monitoring Well [3]	Date Recorded/ Depth to Water Table [4]	Nominal Implant Depth (ft. bgs)	Inferred Stratum Screened		Distance Above Water Table [5] (ft)	Vadose Zone Between Shallow and Deep Implants [6] (ft)	Saturated Screened Interval [7] (ft)	Distance Above Water Table [5] (ft)	Saturated Screened Interval [7] (ft)	Difference [8] (ft)
EN06-37S	Jan-06					8	Well Sorted Sand	0-1' Concrete Surface Seal 1-7' Bentonite Seal 7-8' Glass Bead Filter Pack 7.5-8' Screened Interval						
EN06-37I	Jan-06		X	EN-394	7/27/04 22.3	12	Well Sorted Sand	0-1' Concrete Surface Seal 1-11' Bentonite Seal 11-12' Glass Bead Filter Pack 11.5-12' Screened Interval	1.3	12	3.2	1.5	3.0	-0.2
EN06-37D	Jan-06					21	Well Sorted Sand	0-1' Concrete Surface Seal 1-20' Bentonite Seal 20-21' Glass Bead Filter Pack 20.5-21' Screened Interval						

Notes:

1. This table is intended to summarize implant depths, subsurface conditions and completion details for soil vapor monitoring implants used as part of IBM's Comprehensive Operations, Maintenance and Monitoring program in Endicott, New York.

2. Remediation Progress Monitoring implants are intended to monitor ongoing groundwater remediation activities within and on the boundary of the area where IBM is currently remediating groundwater. Ventilation Progress Perimeter Monitoring implants are intended to monitor conditions at or near the limits of the Ventilation Area.

3. The "nearby monitoring wells" field identifies the monitoring well used to characterize groundwater quality proximate to the implant location, typically within 20 feet horizontally. Entries flagged with an asterisk are well locations more remote from the implant location.

4. The "depth to water table" field is based on depth to water measurements recorded from top of well casing (TOC) as measured by SHA and GSC personnel between July 26 and August 5, 2004 and by SHA on April 18 and 19, 2005. Water levels indicated by an asterisk are nominal water levels based on monitoring wells more than approximately 20 feet from the soil vapor implant.

5. The "Distance Above Water Table" field reflects the approximate vertical distance between the deep implant and the water table at the time of implant installation and January/February 2007. During implant installation, drilling depths were generally targeted to 5' above the water table based on current available information. The actual separation will vary with fluctuations in water level conditions and may be greater or less.

6. The "Vadose Zone Between Shallow and Deep Implants" field identifies the thickness of unsaturated soils between the implants and represents to the distance between the top of the glass bead filter pack of the deeper implant and the bottom of the implant screen of the shallow implant.

7. The "Saturated Screened Interval" field lists the approximate thickness of upper aquifer that the well is screened across which is based on boring and well completion logs provided by others and the depth to water table recorded around the time of implant installation and in January/February 2007. The actual saturated screen interval will vary with fluctuations in groundwater levels.

8. The "Difference" field calculates the change in saturated screened interval from around the time of implant installation to May 2008. A negative number indicates the water table has dropped at that location. The change in saturated thickness was used to calculate an updated distance above water table for the deep implant at each location.

FIGURES

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NOTES

1. This figure is intended to depict proposed multi–level soil gas implants as well as soil vapor monitoring locations that have been established and maintained as part of the Comprehensive Operations, Maintenance & Monitoring Program. The locations of the soil vapor monitoring implants are based on taped measurements relative to physical features in the field and are accurate only to the degree implied by the method used.

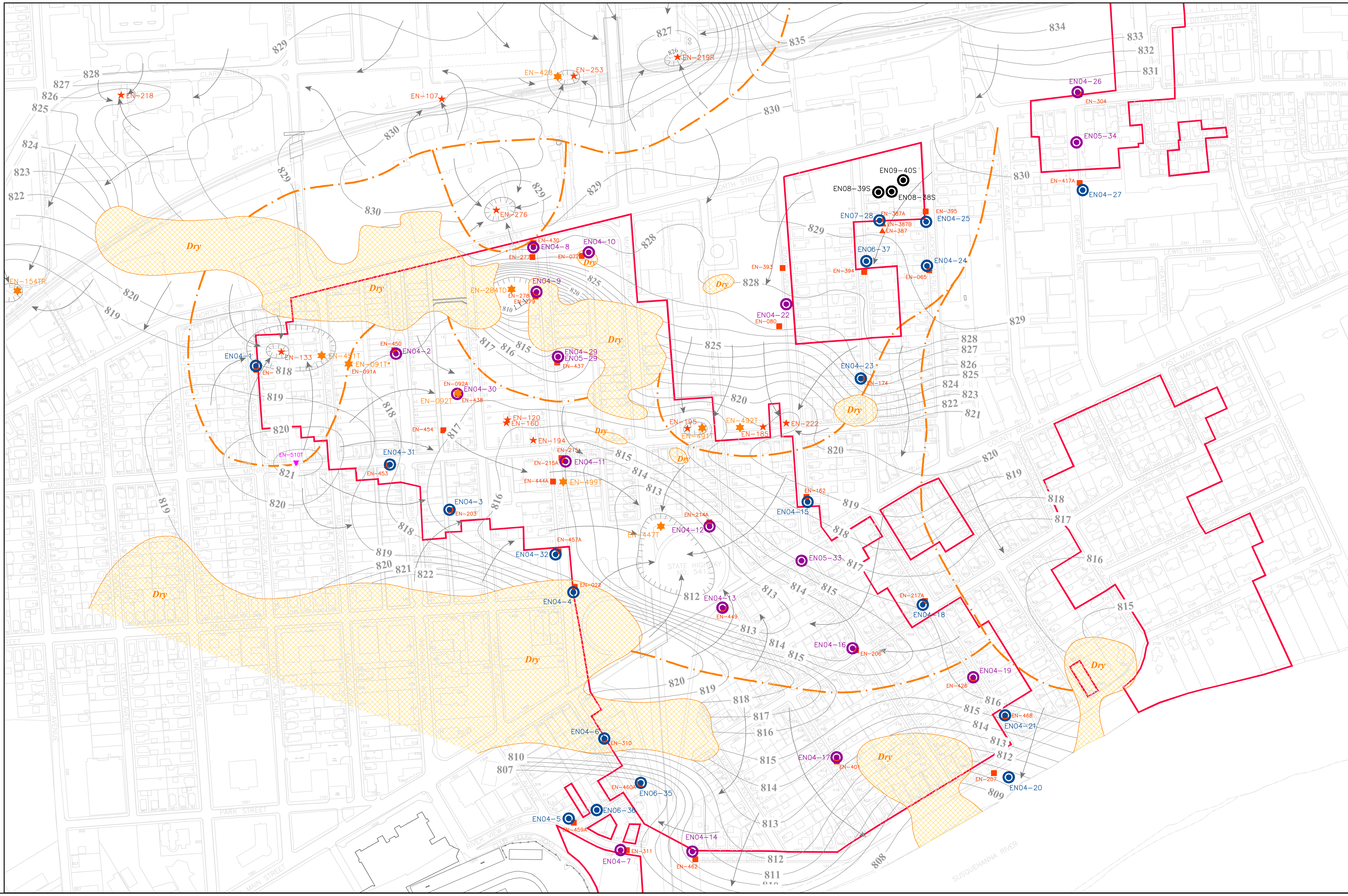
2. The base map information presented below is adapted from four AutoCAD drawings entitled "Endicott2000.dwg", "Union2000.dwg", "Unioneast.dwg", and "Endicottpln.dwg". The drawings were provided by the Broome County mapping division and were received by SHA on October 10, 2002. The building outlines and other site features are based on an AutoCAD drawing entitled "9_03_base.dwg" provided by Groundwater Sciences Corporation (GSC) of Harrisburg, Pennsylvania to SHA in September 2003. The locations of groundwater monitoring and recovery wells are based on an AutoCAD drawing by GSC submitted to SHA on 05/17/2004 entitled "2007N006.dwg". The well locations are reportedly based on field surveys performed in 2003 and 2004. For wells installed in July and August 2004, well locations are based on northing and easting coordinates provided on draft well logs provided to SHA on 09/21/2004.

3. Groundwater contours, flow directions, flow divides, groundwater monitoring and extraction wells, and "dry" areas were adapted from a drawing by GSC transmitted to SHA on 11/06/2009 entitled 2007H306sha_ACAD2007.dwg. The contours represent inferred groundwater elevations based on groundwater measurements from May 5, 2009.

4. The limits of ventilation shown in red encompass properties where IBM has offered to install a ventilation system. The ventilation areas were identified under the review of the New York State Departments of Environmental Conservation and Health based on results of sampling foundation level soil vapor, substructure soil vapor, indoor air, and outdoor air completed between November 2002 and March 2005.

LEGEND

- Limits of Ventilation
- Mailing address, arrow indicates facing street
- EN04–1 Soil Vapor Monitoring Location – Perimeter Monitoring
- EN04–1 Soil Vapor Monitoring Location – Remediation Progress Monitoring
- EN09–40S Soil Vapor Monitoring Location – OU# 4
- EN–430 Upper Aquifer Monitoring Well
- EN–428 Upper Aquifer Interceptor Extraction Well
- EN–510T Upper Aquifer Injection Well
- Groundwater Elevation Contour (Feet AMSL)
- Inferred direction of groundwater flow
- Area of unsaturated soil in the upper aquifer
- Groundwater Divide



GRAPHICAL SCALE 150' 75' 0 150' 300'

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DRAWN BY: EMB
DESIGNED BY: EMB
CHECKED BY: DBC
REVIEWED BY: DBC
PROJECT MGR: EMB
PIC: DBC
DATE: DEC 09

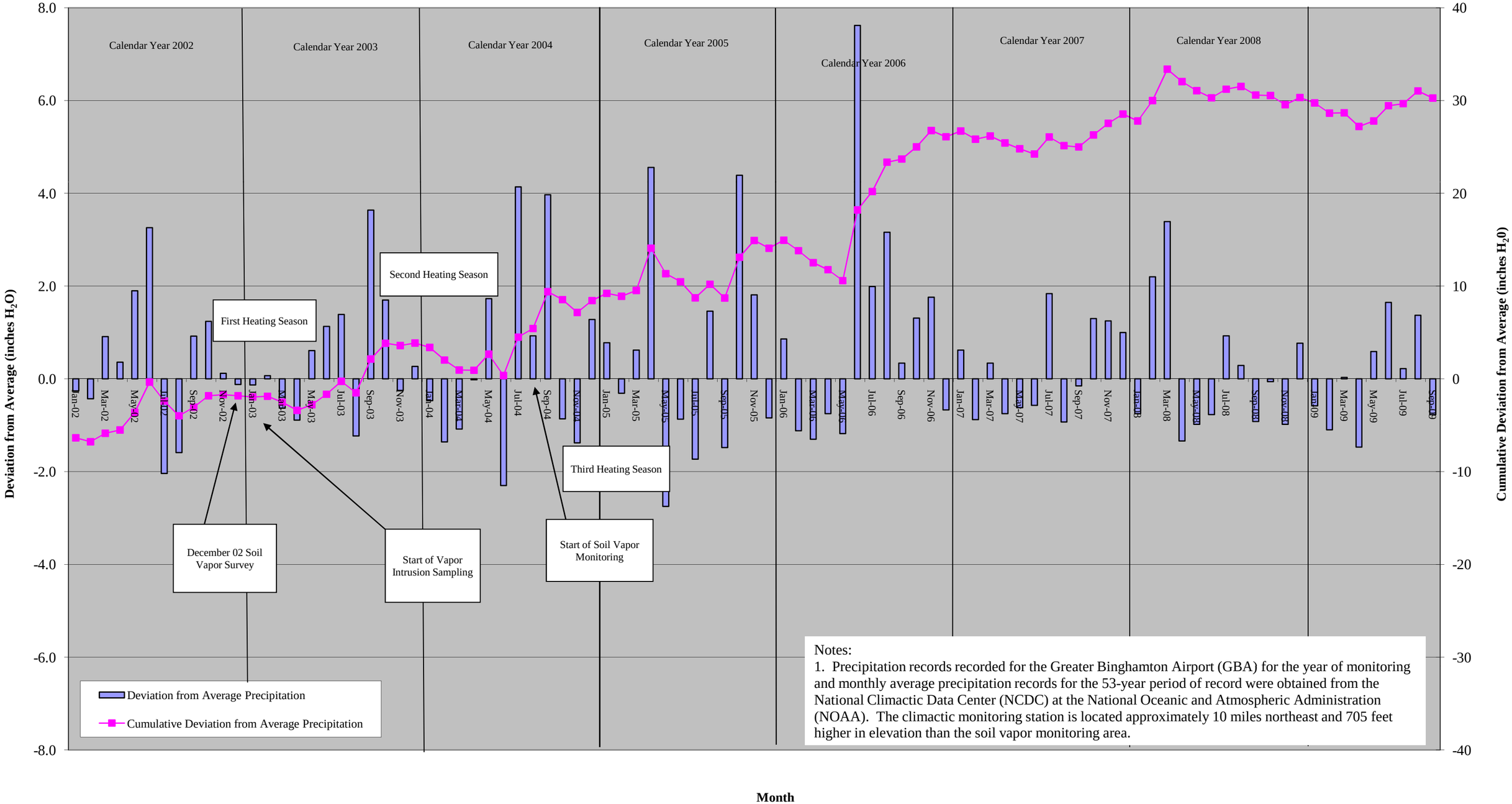
Semiannual Report – Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance & Monitoring Program
Endicott, New York

Soil Vapor Implant Location Plan

PROJECT NUMBER: 2755.03

FIGURE NUMBER: 1

Figure 2
Historical Precipitation Records
Semiannual Report - Soil Vapor Monitoring through October 2009
Endicott, New York



Notes:
1. Precipitation records recorded for the Greater Binghamton Airport (GBA) for the year of monitoring and monthly average precipitation records for the 53-year period of record were obtained from the National Climactic Data Center (NCDC) at the National Oceanic and Atmospheric Administration (NOAA). The climactic monitoring station is located approximately 10 miles northeast and 705 feet higher in elevation than the soil vapor monitoring area.

Figure 3

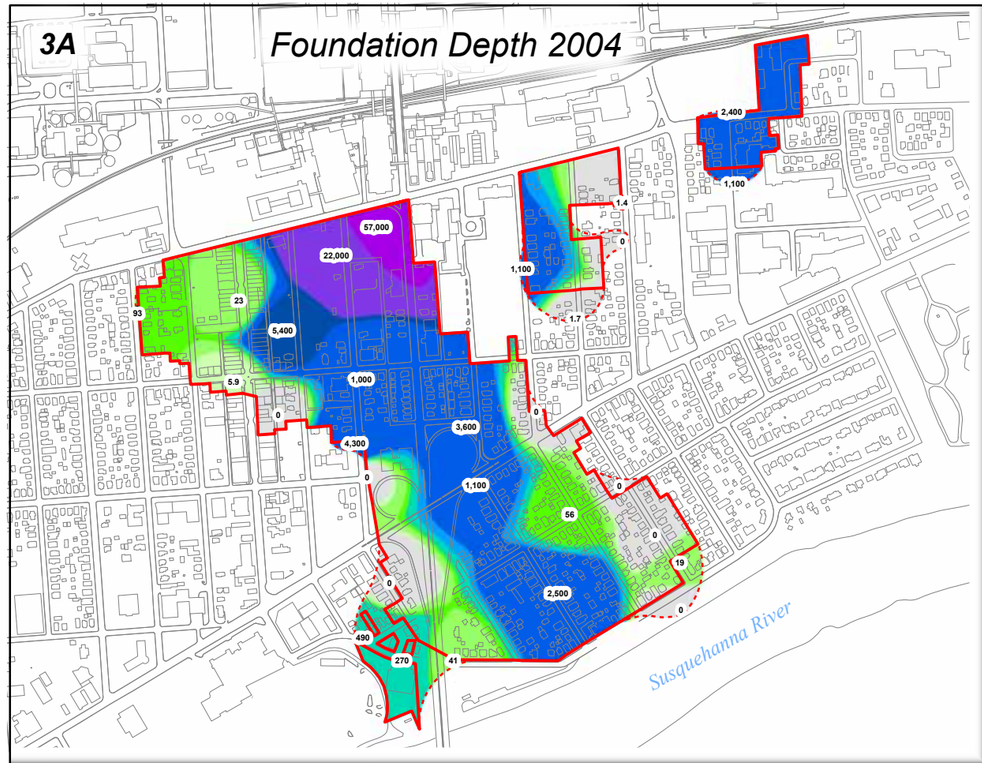
Comparisons of TCE Soil Vapor Concentrations Non Heating Seasons

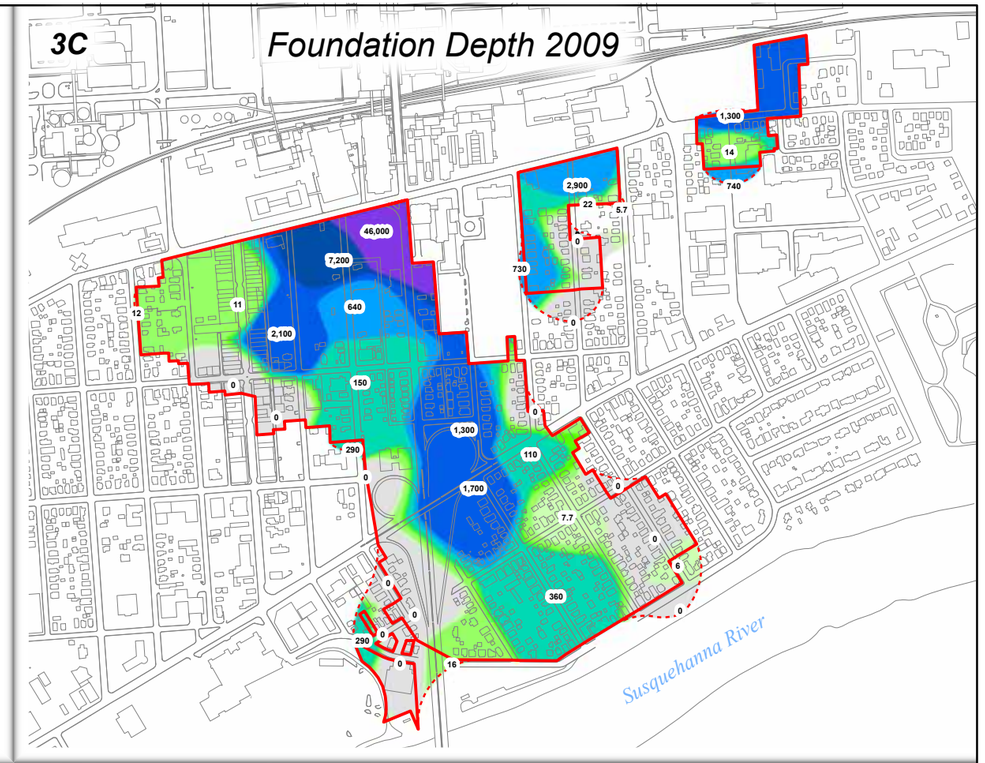
Semiannual Report - Soil Vapor Monitoring Through October 2009

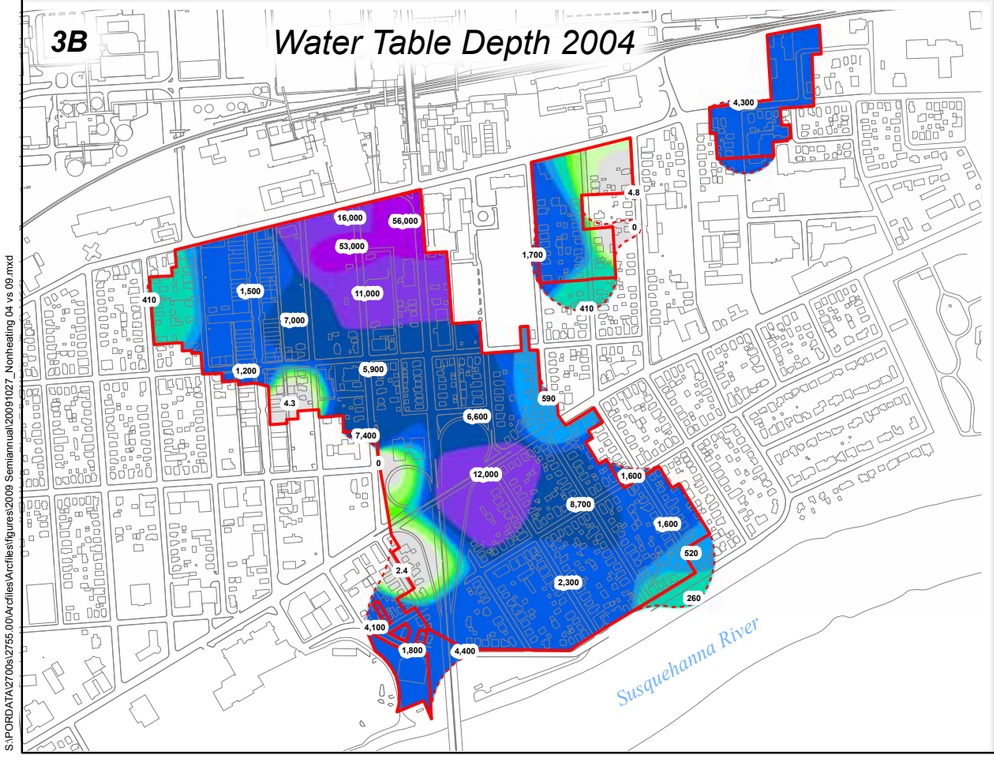
Comprehensive Operations, Maintenance, & Monitoring Program

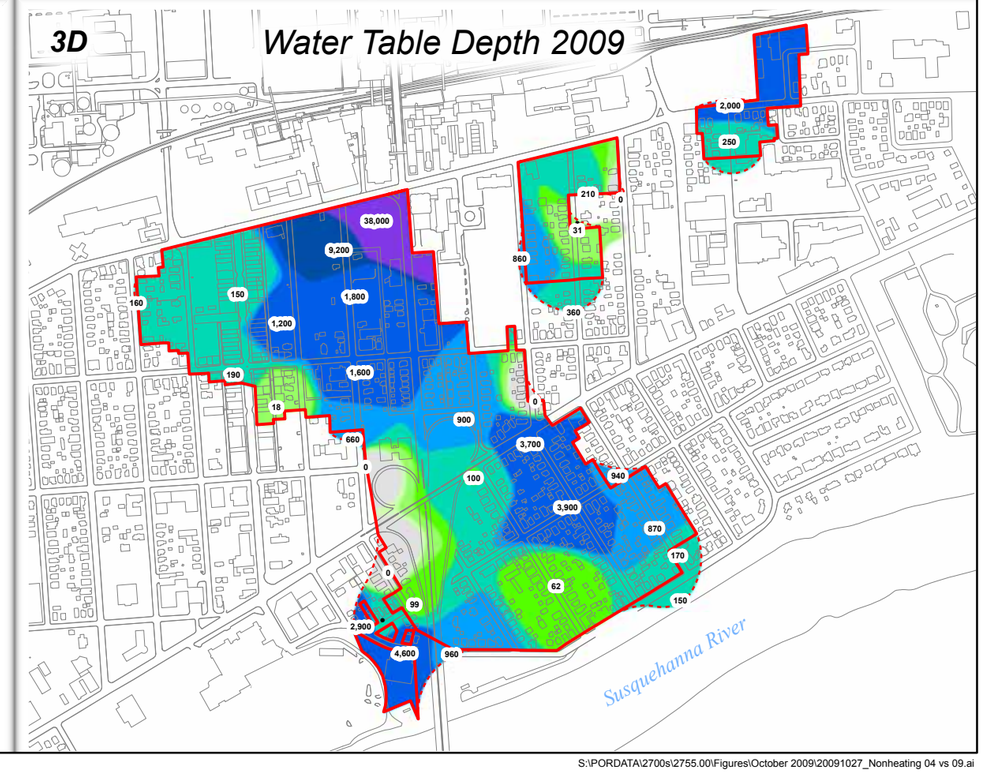
Endicott, New York

Drawn By:	J. Pierce
Designed By:	D. Carr
Reviewed By:	E. Bradstreet
Date:	December 2009









Notes:

1. These figures depict TCE concentrations in soil vapor samples at different times and are intended to aid in communicating general temporal trends in soil vapor concentrations consistent with the available data. The images display an average of the data recorded between August and October.

   The images were created using uniform and consistent spatial statistical algorithms as outlined in more detail in Appendix B.5 and are intended not as absolute indicators of the limits of soil vapor concentrations at a given time but a basis of comparison between data from different times.

2. See Figure 1 for additional notes and legend.

Legend

2,700 — Soil Vapor Implant Location. TCE concentrations in micrograms per cubic meter (µg/m³)

Limits of Ventilation

µg/m³
0 - 5
5 - 10
10 - 50
50 - 100
100 - 500
500 - 1,000
1,000 - 5,000
5,000 - 10,000
10,000 - 50,000
50,000 - 100,000

490 245 0 490 980 1,470 Feet

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S:\PORDATA\2700s\2755.00\ArcFiles\ArcFiles\figures\2009 Semiannual\20091027_Nonheating 04 vs 09.mxd

APPENDIX A

LIMITATIONS

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APPENDIX A
LIMITATIONS

1. The conclusions described in this report are based in part on the data obtained from a finite number of soil vapor, ambient air, soil, and groundwater samples from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further investigation is initiated. If variations or other latent conditions then appear evident, it may be necessary to re-evaluate the conclusions of this report.

2. The conclusions contained in this report are based in part upon various types of chemical data as well as historical and hydrogeologic information developed by previous investigators. While SHA has reviewed that data available to us at the time the report was prepared and information as stated in this report, any of SHA's interpretations and conclusions that have relied on that information will be contingent on its validity. SHA has not performed an independent assessment of the reliability of the data; should additional chemical data, historical information, or hydrogeologic information become available in the future, such information should be reviewed by SHA and the interpretations and conclusions presented herein may be modified accordingly.

3. Sampling and quantitative laboratory testing was performed by others as part of the investigation as noted within the report. Where such analyses have been conducted by an outside laboratory, unless otherwise stated in the report, SHA has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these data.

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APPENDIX B

FIELD SAMPLING AND LABORATORY ANALYSIS

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APPENDIX B.1

SUMMARY OF FIELD SAMPLING

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APPENDIX B.1

SUMMARY OF FIELD SAMPLING
Soil Vapor Monitoring Program, Endicott, New York

This summary of field sampling is provided for activities completed during monitoring from June 2009 to October 2009. Summaries of prior monitoring activities are provided in previous reports.

B.1.1 BACKGROUND

Soil vapor monitoring was conducted at 32 locations in June 2009 and October 2009 and 69 locations in August 2009. The June and October 2009 sampling rounds represent the reduced scope of sampling approved by the Agencies in a letter dated February 18, 2009. Soil vapor implant installation details are provided in Table 1. The implants consist of ¼-inch outside diameter (O.D.) by six-inch long woven stainless steel screen connected to ¼-inch O.D. lab-grade stainless steel tubing. The stainless steel tubing is finished above the ground surface with a compression fitting and gas-tight threaded cap and secured in an 8 or 9-inch diameter flush-mount protective road box.

B.1.2 SOIL VAPOR IMPLANT SAMPLING

The soil vapor implants were sampled from June 8th to 9th, August 10th to 13th, and October 6th to 8th, 2009. Soil vapor samples were collected generally following procedures described in the approved Monitoring Plan, dated December 1, 2004.

Soil vapor samples were collected in one-liter SUMMA® canisters by connecting the stainless steel implant tubing to a short section of Teflon tubing fitted with an in-line Swagelok® valve. Each vapor implant was purged of one probe volume (estimated at about 10 milliliters [ml] per foot of probe depth) using a disposable syringe. An in-line vacuum gauge was monitored during purging, and the withdrawal rate was adjusted to limit the vacuum to around 2 inches H_2O or below.

Samples for laboratory analysis were collected using an in-line 1-hour flow controller, yielding a collection rate of approximately 0.013 liters per minute or less, a rate comparable to the rate of substructure soil vapor collection as part of the previous vapor intrusion sampling. Duplicate samples were collected concurrently using an additional Swagelok® "T" fitting and two two-hour controllers to maintain an approximately equivalent sample collection rate.

In addition, a Tedlar bag was collected via a Gillian air pump and was field screened following the same methodology used in previous sampling and described in previous reports. The sample was screened in the field for carbon dioxide (CO_2), oxygen (O_2), and methane (CH_4) using a CES Lantec GEM 2000 four-gas meter in 2009.

B.1.3 OU#4 SOIL VAPOR IMPLANTS

Since the last reporting period, OU#4 soil vapor implants were sampled on September 21st, October 8th, and October 19th, 2009. The implants were installed by others, but it is our understanding that they are constructed similarly to implants installed by SHA. OU#4 implants were sampled following the same procedures as the other implants, including purging, collection into SUMMA® canisters, and field screening.

B.1.3 QUALITY ASSURANCE/QUALITY CONTROL

Quality Control measures such as field duplicates blanks and analytical laboratory blanks were taken as required by the Monitoring Plan. QA/QC measures implemented during the last three monitoring events included:

- Field screening Tedlar bag samples for CO_2, O_2, and CH_4;
- Collection and analysis of field duplicates for approximately 10% of the samples and calculation of the relative percent difference (RPD) between the sample and the associated duplicate (RPD less than 30% is acceptable according to the Plan);
- Analysis of equipment blanks, which were collected and submitted on six out of the eight days of sampling performed over the sampling period;
- Execution of tracer testing of approximately 10 percent of vapor implants during August 2009 sampling activities, with no detection of tracer gas; and
- Analysis of laboratory control samples.

The SUMMA® canisters used for sample collection were "certified clean" by the analytical laboratory to the laboratory reporting limits, and confirmation of the presence of the certification seal or label for each container was noted prior to sample collection. The flow metering valves were cleaned prior to use and the laboratory verified the regulated flow rate. The canister vacuum was noted and recorded before and after the collection of samples.

Equipment blanks consisted of laboratory-certified SUMMA® canisters filled in the field with lab-grade nitrogen, and not opened during the course of its transport. Duplicate samples were collected simultaneously (i.e., over the same time interval) and spatially immediately adjacent to each other.

The collection, transfer of custody, and shipping/transport of the samples to the analytical laboratory was documented using chain-of-custody forms. The laboratory confirmed receipt vacuum and canister identification details and noted any discrepancies.

APPENDIX B.2

CLIMATOLOGIC DATA AND PLOTS

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Figure B.2.1
Summary of Daily Precipitation and Barometric Pressure - GBA
Semiannual Report - Soil Vapor Monitoring
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

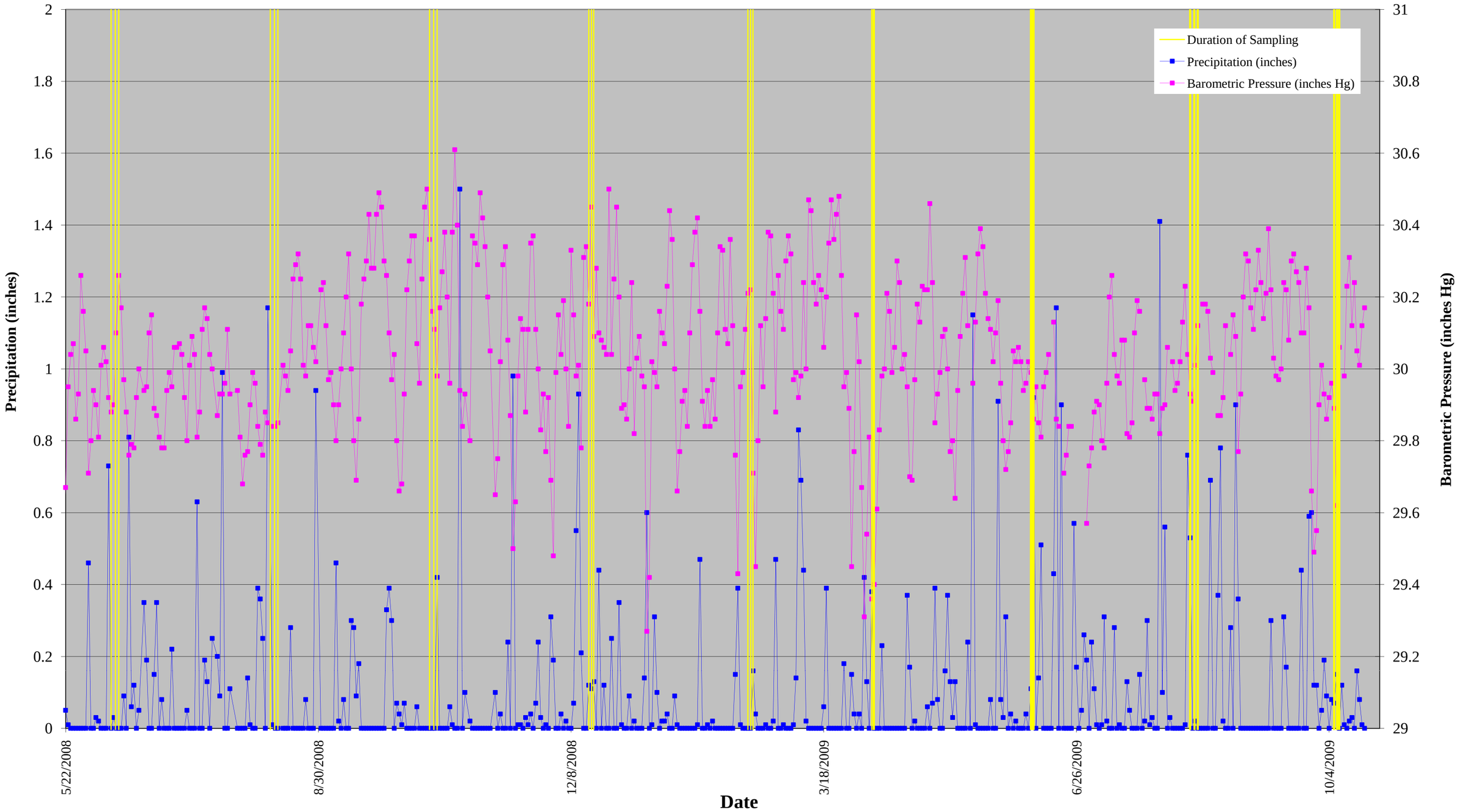
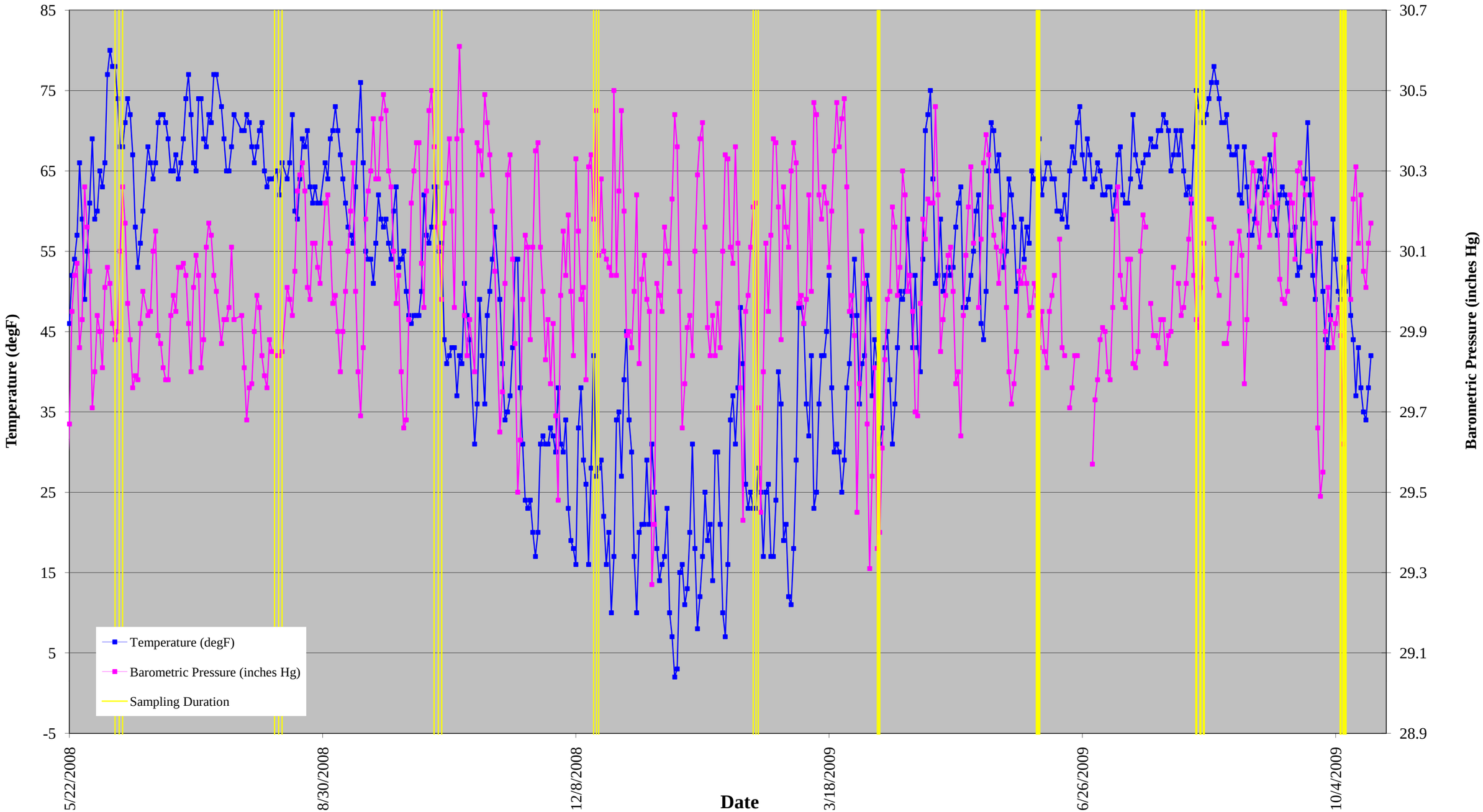


Figure B.2.2
Summary of Daily Barometric Pressure and Temperature - GBA
Semiannual Report - Soil Vapor Monitoring
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 05/2009

Station Location: **GREATER BINGHAMTON/E A LINK FIELD AP (04725)**

BINGHAMTON , NY

Lat. 42.208 Lon. -75.981

Elevation (Ground): 1595 ft. above sea level

Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees							Date
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute Dir	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
01	70	48	59	9	53	55	6	0	0500	1902		0	M	0.0	0.39	28.14	29.85	9.3	22	11.8	31	190	22	190	01
02	59	41	50	0	34	43	15	0	0459	1903	RA BR	0	M	0.0	0.08	28.18	29.93	5.0	33	6.0	21	270	15	350	02
03	60	43	52	1	36	45	13	0	0457	1904	RA	0	M	0.0	0.00	28.24	29.99	3.7	21	4.6	18	150	12	240	03
04	60	46	53	2	42	47	12	0	0456	1905		0	M	0.0	0.00	28.33	30.09	0.2	02	3.5	14	190	10	210	04
05	57	47	52	0	44	48	13	0	0455	1906		0	M	0.0	0.16	28.37	30.11	4.7	12	5.9	18	080	14	090	05
06	58	47	53	1	49	50	12	0	0454	1907	RA BR	0	M	0.0	0.37	28.28	30.00	5.1	15	6.3	18	110	15	110	06
07	64	52	58	5	51	53	7	0	0452	1908	RA BR	0	M	0.0	0.13	28.04	29.77	3.8	24	8.1	28	270	22	270	07
08	71	51	61	8	51	55	4	0	0451	1909		0	M	0.0	0.03	28.09	29.80	5.9	21	6.6	23	240	17	240	08
09	74	52	63	10	53	56	2	0	0450	1911	TSRA RA BR	0	M	0.0	0.13	27.94	29.64	9.1	25	12.0	46	280	33	280	09
10	54	41	48	-6	37	43	17	0	0449	1912	RA BR	0	M	0.0	T	28.17	29.94	11.4	31	11.7	38	300	25	280	10
11	58	38	48	-6	30	40	17	0	0448	1913		0	M	0.0	0.00	28.33	30.09	5.1	33	6.3	20	280	15	280	11
12	61	37	49	-6	25	40	16	0	0447	1914		0	M	0.0	0.00	28.43	30.21	5.3	35	6.1	22	350	16	340	12
13	67	36	52	-4	30	44	13	0	0445	1915		0	M	0.0	0.00	28.56	30.31	8.3	17	9.3	28	170	22	150	13
14	61	48	55	-1	51	53	10	0	0444	1916	RA FG+ BR	0	M	0.0	0.24	28.38	30.12	11.2	19	11.8	38	180	26	180	14
15	71	49	60	4			5	0	0443	1917	BR	0	M	0.0	0.00	28.50	M	2.0	06	4.8	14	010	12	010	15
16	74	49	62	5	57	59	3	0	0442	1918	RA BR HZ VCTS	0	M	0.0	1.15	28.27	29.96	5.5	18	9.9	33	190	25	350	16
17	52	39	46	-11	30	39	19	0	0441	1919		0	M	0.0	0.01	28.34	30.13	10.1	33	10.7	28	320	23	340	17
18	52	36	44*	-13	25	36	21	0	0441	1920		0	M	0.0	0.00	28.53	30.32	6.0	33	6.9	25	360	18	350	18
19	69	31*	50	-7	28	42	15	0	0440	1921		0	M	0.0	0.00	28.62	30.39	4.8	22	5.7	20	210	15	270	19
20	79	51	65	7	37	51	0	0	0439	1922		0	M	0.0	0.00	28.61	30.34	6.2	22	7.0	18	200	14	220	20
21	83*	58	71*	13	40	54	0	6	0438	1923		0	M	0.0	0.00	28.50	30.21	9.3	22	9.5	25	240	18	230	21
22	81	58	70	12	50	58	0	5	0437	1924	TSRA BR VCTS	0	M	0.0	0.00	28.42	30.14	4.5	31	8.0	23	010	18	350	22
23	77	53	65	6	56	60	0	0	0436	1925	BR HZ	0	M	0.0	0.08	28.40	30.11	4.2	17	6.7	22	160	17	160	23
24	76	58	67	8	55	60	0	2	0435	1926		0	M	0.0	0.00	28.30	30.02	3.1	31	6.4	21	310	15	350	24
25	70	47	59	0	38	49	6	0	0435	1927	RA BR	0	M	0.0	0.00	28.36	30.10	7.6	36	8.4	24	360	17	360	25
26	64	41	53	-6	38	44	12	0	0434	1928	RA BR	0	M	0.0	0.91	28.45	30.19	8.3	13	10.2	24	150	17	150	26
27	62	48	55	-5	53	54	10	0	0433	1928	RA BR HZ	0	M	0.0	0.08	28.25	29.96	7.7	18	8.0	23	200	14	190	27
28	69	59	64	4	60	61	1	0	0433	1929	RA BR	0	M	0.0	0.03	28.10	29.80	7.6	18	8.0	22	180	15	160	28
29	69	54	62	2	56	58	3	0	0432	1930	BR	0	M	0.0	0.31	28.01	29.72	2.7	24	7.1	24	320	16	330	29
30	67	49	58	-2	41	50	7	0	0432	1931		0	M	0.0	0.00	28.04	29.77	4.8	29	6.4	23	290	17	270	30
31	63	37	50	-10	37	45	15	0	0431	1932		0	M	0.0	0.04	28.09	29.85	7.2	30	8.6	35	270	25	280	31
	66.2	46.6	56.4		42.9	49.7	8.8	0.4	<-----Monthly Averages | Totals----->			0	M	0.0	4.14	28.30	30.03	2.4	24	7.8	<Monthly Average				
	0.6	0.4	0.5	<----------Departure From Normal---------->									0.59												

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	274	-18	7018	-129

Greatest 24-hr Precipitation: 1.16 Date: 16-17

Greatest 24-hr Snowfall: 0.0 Date: M

Greatest Snow Depth: 0 Date: M

Sea Level Pressure	Date	Time (LST)
Maximum 30.47	19	0853
Minimum 29.50	09	1506

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 06/2009

Station Location: **GREATER BINGHAMTON/E A LINK FIELD AP (04725)**

BINGHAMTON , NY

Lat. 42.208 Lon. -75.981

Elevation (Ground): 1595 ft. above sea level

Date	Temperature (Fahrenheit) Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Degree Days Base 65 Degrees Heating	Cooling	Sun Sunrise LST	Sunset LST	Significant Weather	Snow/Ice on Ground(In) 1200 UTC Depth	1800 UTC Water Equiv	Precipitation (In) 2400 LST Snow Fall	2400 LST Water Equiv	Pressure(inches of Hg) Avg. Station	Avg. Sea Level	Wind: Speed=mph Dir=tens of degrees Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute Dir	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
01	64	37*	51*	-9	37	46	14	0	0431	1933		0	M	0.0	0.00	28.32	30.05	5.1	22	5.8	22	220	14	190	01
02	66	52	59	-2	48	53	6	0	0430	1933	RA BR	0	M	0.0	0.02	28.27	30.02	4.1	31	5.9	17	010	12	350	02
03	61	47	54	-7	46	50	11	0	0430	1934		0	M	0.0	T	28.32	30.06	1.1	30	2.6	12	010	9	010	03
04	68	48	58	-3	42	50	7	0	0429	1935		0	M	0.0	0.00	28.29	30.02	3.0	36	4.6	14	010	10	010	04
05	63	49	56	-5	47	52	9	0	0429	1936	RA BR	0	M	0.0	T	28.22	29.94	4.5	13	6.1	20	180	14	140	05
06	75	54	65	3	49	56	0	0	0429	1936	BR	0	M	0.0	0.04	28.22	29.96	4.0	30	5.5	17	250	13	270	06
07	73	54	64	2	51	56	1	0	0428	1937	RA	0	M	0.0	T	28.30	30.02	1.5	27	3.6	15	010	12	010	07
08	73	55	64	2	55	59	1	0	0428	1938	RA BR	0	M	0.0	0.11	28.27	29.99	1.1	07	3.5	14	150	10	150	08
09	81	56	69	7	61	64	0	4	0428	1938	RA BR HZ	0	M	0.0	0.92	28.15	29.86	2.4	28	7.3	20	270	15	280	09
10	71	52	62	0	53	57	3	0	0428	1939	BR	0	M	0.0	0.00	28.24	29.95	1.4	04	2.9	10	330	8	350	10
11	68	60	64	2	62	63	1	0	0427	1939	RA BR	0	M	0.0	0.14	28.15	29.85	6.4	15	6.9	15	180	12	190	11
12	72	60	66	3	59	62	0	1	0427	1940	RA BR	0	M	0.0	0.51	28.08	29.81	6.0	34	7.6	21	350	15	340	12
13	75	56	66	3	55	58	0	1	0427	1940	RA	0	M	0.0	T	28.22	29.95	4.4	01	5.6	24	350	18	350	13
14	74	53	64	0	50	56	1	0	0427	1941		0	M	0.0	0.00	28.27	29.99	2.7	34	4.6	18	230	10	030	14
15	73	54	64	0	52	57	1	0	0427	1941		0	M	0.0	T	28.30	30.04	2.6	36	4.9	28	210	15	350	15
16	68	52	60	-4			5	0	0427	1942	BR	0	M	0.0	0.00	28.43	M	5.8	15	6.4	30	120	15	140	16
17	67	52	60	-4	51	54	5	0	0427	1942	RA BR	0	M	0.0	0.43	28.43	30.13	12.5	15	13.3	32	140	23	140	17
18	66	52	59	-6	57	58	6	0	0427	1942	RA BR	0	M	0.0	1.17	28.15	29.86	7.4	15	9.7	26	140	20	150	18
19	68	56	62	-3	56	58	3	0	0428	1943	BR	0	M	0.0	T	28.12	29.84	5.0	32	5.6	17	300	13	310	19
20	63	52	58	-8			7	0	0428	1943	RA BR	0	M	0.0	0.90	27.94	M	3.4	08	6.7	20	050	14	010	20
21	73	57	65	-1	59	61	0	0	0428	1943	RA BR	0	M	0.0	T	27.99	29.71	11.1	34	11.5	23	350	18	360	21
22	76	59	68	2	58	62	0	3	0428	1944	BR	0	M	0.0	0.00	28.05	29.76	11.6	36	11.9	28	350	22	360	22
23	76	56	66	0	56	60	0	1	0428	1944		0	M	0.0	0.00	28.12	29.84	8.9	35	9.6	23	350	17	360	23
24	82	59	71	5	55	61	0	6	0429	1944		0	M	0.0	0.00	28.14	29.84	8.9	34	9.4	26	360	20	360	24
25	85*	60	73*	7	59		0	8	0429	1944	RA BR	0	M	0.0	0.57	28.12	M	3.5	30	6.0	45	320	30	300	25
26	74	60	67	1			0	2	0429	1944	RA BR	0	M	0.0	0.17	M	M	M	M	5.1	15	300	13	130	26
27	70	58	64	-3	58		1	0	0430	1944	RA BR	0	M	0.0	T	M	M	6.3	33	7.1	28	350	20	350	27
28	79	59	69	2	57		0	4	0430	1944	RA BR	0	M	0.0	0.05	27.99	M	3.8	28	4.9	30	220	22	270	28
29	75	58	67	0	57		0	2	0430	1944	RA BR	0	M	0.0	0.26	27.83	M	3.8	30	6.0	25	330	18	330	29
30	68	57	63	-4	58	60	2	0	0431	1944	RA BR	0	M	0.0	0.19	27.86	29.57	3.6	18	4.6	20	180	14	170	30
	71.6	54.5	63.1		M	M	2.8	1.1	<-----Monthly Averages | Totals----->				M	0.0	5.48	28.17	29.90	1.5	34	6.5	<Monthly Average				
	-1.8	0.1	-0.8	<----------Departure From Normal---------->									1.68												

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	84	-6	7102	-135

Greatest 24-hr Precipitation: 1.49 Date: 17-18

Greatest 24-hr Snowfall: 0.0 Date: M

Greatest Snow Depth: 0 Date: M

Sea Level Pressure	Date	Time (LST)
Maximum 30.22	17	0056
Minimum 29.50	29	1453

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 07/2009

Station Location: **GREATER BINGHAMTON/E A LINK FIELD AP (04725)**

BINGHAMTON , NY

Lat. 42.208 Lon. -75.981

Elevation (Ground): 1595 ft. above sea level

Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees							Date
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute Dir	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
01	74	54	64	-3	57	60	1	0	0431	1944		0	M	0.0	T	28.02	29.73	2.8	16	4.7	15	130	12	210	01
02	72	59	66	-2	60	62	0	1	0432	1944	BR	0	M	0.0	0.24	28.07	29.78	1.6	29	3.0	26	270	20	270	02
03	72	58	65	-3	58	60	0	0	0432	1944	TS RA BR VCTS	0	M	0.0	0.11	28.15	29.88	6.7	29	7.2	24	280	16	320	03
04	69	54	62	-6	51	56	3	0	0433	1944	RA BR	0	M	0.0	0.01	28.19	29.91	7.8	30	8.3	25	310	17	320	04
05	74	50	62	-6	46	54	3	0	0434	1943		0	M	0.0	0.00	28.19	29.90	2.9	29	4.6	16	270	13	340	05
06	76	50	63	-5	51	57	2	0	0434	1943		0	M	0.0	0.01	28.10	29.80	1.4	31	3.1	23	300	16	290	06
07	71	55	63	-5	54	57	2	0	0435	1943	RA	0	M	0.0	0.31	28.07	29.78	0.7	31	4.7	26	310	21	340	07
08	67	51	59*	-10	52	55	6	0	0436	1942	TS RA BR VCTS	0	M	0.0	0.02	28.21	29.96	3.5	31	5.1	18	210	13	270	08
09	74	49*	62	-7	53	57	3	0	0436	1942	RA	0	M	0.0	0.00	28.45	30.20	1.6	11	2.6	13	120	10	110	09
10	77	56	67	-2	56	60	0	2	0437	1942	BR	0	M	0.0	0.00	28.53	30.26	3.8	19	5.0	17	170	13	170	10
11	75	61	68	-1	61	63	0	3	0438	1941	BR	0	M	0.0	0.28	28.35	30.04	7.6	20	8.6	43	320	26	280	11
12	71	53	62	-7	45	53	3	0	0438	1941	TS RA BR HZ	0	M	0.0	0.00	28.26	29.98	6.5	30	7.7	24	290	16	340	12
13	71	51	61	-8	44	52	4	0	0439	1940		0	M	0.0	0.01	28.22	29.96	5.8	30	6.9	25	270	17	270	13
14	71	50	61	-8	47	53	4	0	0440	1940		0	M	0.0	0.00	28.35	30.08	6.4	30	7.2	23	330	17	280	14
15	76	51	64	-5	50	57	1	0	0441	1939		0	M	0.0	0.00	28.38	30.08	4.7	22	5.6	18	340	13	250	15
16	82	62	72	3	60	64	0	7	0442	1938	TSRA RA BR VCTS	0	M	0.0	0.13	28.13	29.82	4.7	25	7.7	25	300	16	240	16
17	71	62	67	-2	59	61	0	2	0442	1938	RA BR	0	M	0.0	0.05	28.12	29.81	1.8	17	5.2	13	100	10	100	17
18	72	57	65	-4	56	59	0	0	0443	1937	RA BR	0	M	0.0	T	28.10	29.85	7.0	26	7.7	22	240	15	280	18
19	71	54	63	-6	53	57	2	0	0444	1936		0	M	0.0	0.00	28.35	30.10	4.7	27	5.9	18	290	15	290	19
20	76	55	66	-3	56	60	0	1	0445	1936		0	M	0.0	0.00	28.46	30.19	2.3	08	3.1	13	200	9	220	20
21	72	61	67	-2	60	62	0	2	0446	1935	RA BR	0	M	0.0	0.15	28.45	30.16	2.6	08	3.5	16	110	13	110	21
22	76	58	67	-2			0	2	0447	1934	BR HZ	0	M	0.0	0.00	28.41	M	2.5	18	3.4	16	240	12	240	22
23	75	62	69	0	62	64	0	4	0448	1933	RA BR HZ	0	M	0.0	0.02	28.28	29.97	10.8	14	11.0	26	130	21	140	23
24	77	58	68	-1	59	61	0	3	0449	1932	RA BR VCTS	0	M	0.0	0.30	28.18	29.89	3.3	23	5.7	25	310	18	310	24
25	79	57	68	-1	59	63	0	3	0450	1931	RA	0	M	0.0	0.01	28.19	29.89	7.0	19	7.6	23	180	16	170	25
26	74	65	70	1	63	65	0	5	0451	1930	RA BR	0	M	0.0	0.03	28.15	29.86	6.8	20	8.1	22	200	16	190	26
27	78	61	70	1	59	63	0	5	0452	1930		0	M	0.0	0.00	28.22	29.93	6.1	25	7.0	25	280	20	280	27
28	83*	60	72*	3	59	64	0	7	0453	1929	RA BR HZ	0	M	0.0	0.00	28.23	29.93	5.2	20	5.8	22	240	15	240	28
29	76	65	71	2	66	67	0	6	0454	1928	RA BR	0	M	0.0	1.41	28.13	29.82	2.6	20	4.4	15	200	10	210	29
30	77	63	70	1	60	64	0	5	0455	1926	RA BR	0	M	0.0	0.10	28.17	29.89	3.7	28	6.0	18	310	13	320	30
31	70	60	65	-4	64	64	0	0	0456	1925		0	M	0.0	0.56	28.20	29.90	2.6	29	4.8	15	340	13	340	31
	74.2	56.8	65.5		56.0	59.8	1.1	1.9	<-----Monthly Averages | Totals----->			M	0.0	3.75	28.24	29.95	2.4	24	5.8	<Monthly Average				
	-3.9	-2.4	-3.2	<----------Departure From Normal---------->									0.26												

Greatest 24-hr Precipitation: 1.51 Date: 29-30

Greatest 24-hr Snowfall: 0.0 Date: M

Greatest Snow Depth: 0 Date: M

Sea Level Pressure	Date	Time (LST)
Maximum 30.32	10	0857
Minimum 29.68	01	0253

Degree Days	Monthly		Season to Date	
	Total	Departure	Total	Departure
Heating:	34	12	34	12

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 08/2009

Station Location: **GREATER BINGHAMTON/E A LINK FIELD AP (04725)**

BINGHAMTON , NY

Lat. 42.208 Lon. -75.981

Elevation (Ground): 1595 ft. above sea level

Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees							Date
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute Dir	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
01	78	56	67	-2	59	62	0	2	0457	1924		0	M	0.0	0.00	28.35	30.06	4.7	22	5.6	18	250	12	180	01
02	75	65	70	1	64	66	0	5	0458	1923	BR	0	M	0.0	0.03	28.20	M	4.2	21	6.7	17	250	14	260	02
03	75	58	67	-1	55	60	0	2	0459	1922	RA BR	0	M	0.0	0.00	28.30	30.02	2.9	24	4.5	16	230	12	240	03
04	80	60	70	2	60	64	0	5	0460	1921		0	M	0.0	0.00	28.25	29.94	7.6	20	7.8	26	210	20	210	04
05	72	58	65	-3	55	60	0	0	0501	1920	BR	0	M	0.0	0.00	28.23	29.96	5.3	32	7.2	21	300	16	010	05
06	72	51	62	-6	50	56	3	0	0502	1918		0	M	0.0	0.00	28.30	30.02	3.9	29	4.7	18	270	13	320	06
07	72	54	63	-5	49	55	2	0	0503	1917		0	M	0.0	0.00	28.38	30.13	7.0	31	7.6	24	280	17	280	07
08	71	50	61	-7	52	56	4	0	0504	1916	RA BR	0	M	0.0	0.01	28.50	30.23	3.0	19	3.8	16	190	12	210	08
09	74	61	68	0	64	65	0	3	0505	1915	TSRA RA BR HZ VCTS	0	M	0.0	0.76	28.33	30.04	4.8	20	7.4	38	270	28	290	09
10	85	65	75	7	67	69	0	10	0506	1913	RA BR	0	M	0.0	0.53	28.24	29.93	3.7	25	6.5	32	030	23	020	10
11	80	66	73	5	63	66	0	8	0507	1912	BR	0	M	0.0	0.00	28.20	29.91	4.6	32	5.9	22	350	15	360	11
12	79	62	71	4	63	66	0	6	0508	1911	RA	0	M	0.0	0.02	28.29	30.01	1.4	03	3.7	20	140	14	130	12
13	78	63	71	4	64	66	0	6	0509	1909	BR	0	M	0.0	0.00	28.39	30.12	1.3	01	2.4	21	230	10	320	13
14	82	62	72	5			0	7	0510	1908		0	M	0.0	0.00	28.48	M	0.9	22	1.3	9	260	7	220	14
15	84	63	74	7	63	67	0	9	0511	1906	BR	0	M	0.0	0.00	28.47	30.18	3.9	23	4.3	14	260	10	250	15
16	84	67	76	9	64	68	0	11	0512	1905	HZ	0	M	0.0	0.00	28.47	30.18	4.6	23	5.2	16	260	12	250	16
17	86*	69	78*	11	65	69	0	13	0513	1903	BR HZ	0	M	0.0	0.00	28.46	30.16	5.5	22	5.8	14	260	10	220	17
18	85	67	76	9	65	68	0	11	0514	1902	RA BR VCTS	0	M	0.0	0.69	28.35	30.03	6.0	22	7.0	38	260	30	280	18
19	81	66	74	8	65	68	0	9	0515	1859	BR	0	M	0.0	0.00	28.28	29.99	3.9	26	5.1	18	270	14	340	19
20	79	63	71	5			0	6	0516	1857	BR HZ	0	M	0.0	0.00	28.23	M	6.8	17	7.1	26	200	14	190	20
21	76	66	71	5	68	69	0	6	0517	1856	TSRA RA BR	0	M	0.0	0.37	28.17	29.87	5.5	20	6.1	22	260	17	260	21
22	79	65	72	6	66	68	0	7	0518	1854	RA BR	0	M	0.0	0.78	28.17	29.87	0.8	15	3.3	20	350	15	340	22
23	73	62	68	3	63	64	0	3	0519	1853	RA BR	0	M	0.0	0.02	28.20	29.92	5.5	33	6.1	18	350	15	350	23
24	73	61	67	2	60	62	0	2	0520	1851	RA BR	0	M	0.0	T	28.38	30.12	4.0	34	4.9	17	330	14	320	24
25	77	56	67	2			0	2	0522	1850	BR	0	M	0.0	0.00	28.42	M	2.7	22	3.7	21	240	14	250	25
26	76	59	68	3	60	62	0	3	0523	1848	RA BR	0	M	0.0	0.28	28.32	30.04	5.6	28	7.0	22	260	16	270	26
27	70	53	62	-3	49	54	3	0	0524	1846		0	M	0.0	0.00	28.40	30.15	3.7	03	4.7	15	360	10	360	27
28	67	54	61	-4	54	56	4	0	0525	1845	RA BR	0	M	0.0	0.90	28.38	30.09	6.1	11	6.9	15	120	13	110	28
29	76	60	68	4	63	64	0	3	0526	1843	RA BR	0	M	0.0	0.36	28.09	29.77	5.4	17	7.0	23	290	18	290	29
30	71	54	63	-1	53	56	2	0	0527	1842	BR	0	M	0.0	T	28.19	29.93	5.5	25	7.1	28	320	18	320	30
31	63	50*	57*	-7	46	51	8	0	0528	1840		M	M	M	0.00	28.44	30.20	6.9	36	7.6	21	020	15	360	31
	76.5	60.2	68.4		59.6	62.8	0.8	4.5	<-----Monthly Averages | Totals----->			M	M	4.75s		28.32	30.03	2.1	24	5.6	<Monthly Average				
	0.7	2.8	1.8	<----------Departure From Normal---------->								1.40													

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	26	-17	60	-5

Greatest 24-hr Precipitation: 1.24s Date: 28-29

Greatest 24-hr Snowfall: M Date: M

Greatest Snow Depth: M Date: M

Sea Level Pressure	Date	Time (LST)
Maximum 30.29	31	2255
Minimum 29.66	29	1526

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(may be updated)

NOAA, National Climatic Data Center

Month: 09/2009

Station Location: **GREATER BINGHAMTON/E A LINK FIELD AP (04725)**

BINGHAMTON , NY

Lat. 42.208 Lon. -75.981

Elevation (Ground): 1595 ft. above sea level

Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees							Date
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute Dir	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
01	69	44	57	-6	46	51	8	0	0529	1838		M	M	M	0.00	28.56	30.32	3.2	35	4.1	16	350	10	010	01
02	72	45	59	-4	48	54	6	0	0530	1836		M	M	M	0.00	28.57	30.30	0.4	05	1.2	10	330	7	180	02
03	76	49	63	0	52	57	2	0	0531	1835		M	M	M	0.00	28.46	30.17	1.3	02	1.8	13	080	8	030	03
04	75	54	65	3	54	58	0	0	0532	1833		M	M	M	0.00	28.38	30.11	5.3	35	5.6	18	020	15	010	04
05	75	53	64	2	53	58	1	0	0533	1831		M	M	M	0.00	28.48	30.22	4.2	36	5.4	15	010	12	010	05
06	72	51	62	0	50	55	3	0	0534	1830		M	M	M	0.00	28.59	30.33	2.2	09	3.7	14	110	9	150	06
07	68	57	63	1	56	59	2	0	0535	1828		M	M	M	0.00	28.51	30.24	4.2	18	4.4	13	150	9	150	07
08	75	58	67	6	56	60	0	2	0536	1826	BR	M	M	M	0.00	28.41	30.14	2.3	05	3.2	24	210	9	360	08
09	73	57	65	4	55	59	0	0	0537	1825		M	M	M	0.00	28.46	30.21	4.7	07	5.5	15	050	12	040	09
10	66	51	59	-2	46	51	6	0	0538	1823		M	M	M	0.00	28.64	30.39	4.7	11	5.5	35s	330	14	120	10
11	64	50	57	-3	50	52	8	0	0539	1821	RA BR	M	M	M	0.30	28.51	30.22	9.1	05	9.3	25	040	17	050	11
12	68	56	62	2	58	59	3	0	0540	1819	RA BR	M	M	M	T	28.31	30.03	6.7	02	7.9	17	060	14	060	12
13	70	55	63	3	56	58	2	0	0541	1818		M	M	M	T	28.27	29.98	7.2	32	7.4	22	340	17	350	13
14	70	54	62	3	54	58	3	0	0542	1816	BR	M	M	M	0.00	28.25	29.97	5.3	28	5.8	22	280	14	280	14
15	72	49	61	2	53	56	4	0	0544	1814	RA BR	M	M	M	0.00	28.26	30.00	6.3	32	7.7	31	220	15	340	15
16	67	46	57	-2	50	52	8	0	0545	1812	RA BR	M	M	M	0.31	28.48	30.24	3.5	06	5.8	13	120	10s	120	16
17	62	51	57	-1	51	52	8	0	0546	1811	RA BR	M	M	M	0.17	28.49	30.22	4.9	17	6.6	35s	100	13	140	17
18	67	48	58	0	50	53	7	0	0547	1809		M	M	M	T	28.34	30.08	6.8	29	9.2	23	290	16	290	18
19	64	40	52	-6	39	45	13	0	0548	1807	BR	M	M	M	0.00	28.53	30.30	6.6	36	7.0	31	220	16	350	19
20	70	35*	53	-4	43	49	12	0	0549	1805		M	M	M	0.00	28.56	30.32	2.5	18	3.6	30s	200	12	180	20
21	71	46	59	2	52	56	6	0	0550	1803	BR	M	M	M	0.00	28.52	30.27	6.4	18	7.0	21	210	15	180	21
22	69	58	64	7	59	61	1	0	0551	1802	RA BR	M	M	M	T	28.51	30.24	6.3	19	6.6	18	210	14	210	22
23	78*	63	71*	14	64	66	0	6	0552	1760	BR	M	M	M	0.44	28.40	30.10	7.9	22	8.8	28	290	18	230	23
24	69	54	62	5	54	58	3	0	0553	1758		M	M	M	0.00	28.36	30.10	6.2	34	6.8	21	310	14	340	24
25	61	42	52	-4	42	47	13	0	0554	1756	RA BR	M	M	M	0.00	28.51	30.28	4.8	03	6.3	21	020	16	020	25
26	56	41	49	-6	44	47	16	0	0555	1755	RA BR	M	M	M	0.59	28.46	30.17	8.2	16	8.5	23	170	16	200	26
27	61	51	56	1	54	55	9	0	0556	1753	RA BR VCTS	M	M	M	0.60	27.99	29.66	3.2	19	6.9	23	310	14	300	27
28	62	49	56	1	50	52	9	0	0557	1751	RA BR	M	M	M	0.12	27.81	29.49	9.2	20	10.9	41	320	26	310	28
29	54	46	50	-4	45	48	15	0	0558	1749	RA BR	M	M	M	0.12	27.81	29.55	9.9	24	11.8	31	240	21	220	29
30	47	41	44*	-10	39	41	21	0	0560	1748		M	M	M	T	28.12	29.90	8.2	30	8.7	23	320	16	310	30
	67.4	49.8	58.6		50.8	54.2	6.3	0.3	<-----Monthly Averages | Totals----->			M	M	2.65	28.38	30.12	0.7	30	6.4	<Monthly Average				
	-0.4	-0.1	-0.2	<----------Departure From Normal---------->									-0.94												

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	189	-13	249	-18

Greatest 24-hr Precipitation: 1.05s Date: 26-27

Greatest 24-hr Snowfall: M Date: M

Greatest Snow Depth: M Date: M

Sea Level Pressure	Date	Time (LST)
Maximum 30.44	10	0955
Minimum 29.38	28	1526

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(may be updated)

NOAA, National Climatic Data Center

Month: 10/2009

Station Location: **GREATER BINGHAMTON/E A LINK FIELD AP (04725)**

BINGHAMTON , NY

Lat. 42.208 Lon. -75.981

Elevation (Ground): 1595 ft. above sea level

Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees							Date
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute Dir	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
01	45	40	43	-11	38	40	22	0	0601	1746		M	M	M	0.05	28.25	30.01	4.6	29	5.5	20	280	15	280	01
02	56	37	47	-6	43	45	18	0	0602	1744		M	M	M	0.19	28.20	29.93	8.7	15	9.0	23	150	16	150	02
03	67*	51	59*	6	47	52	6	0	0603	1743	RA BR	M	M	M	0.09	28.12	29.86	4.8	22	6.4	32	260	23	270	03
04	61	46	54	2	44	48	11	0	0604	1741	RA BR	M	M	M	T	28.19	29.92	4.4	26	4.9	29s	320	16	280	04
05	56	43	50	-2	43	46	15	0	0605	1739	RA BR	M	M	M	0.08	28.22	29.96	8.1	27	8.2	23	270	16	270	05
06	59	39	49	-3	42	46	16	0	0606	1737		M	M	M	0.07	28.20	29.89	4.3	21	5.9	25	170	18	170	06
07	58	48	53	2	43	47	12	0	0607	1736	RA	M	M	M	0.15	27.87	29.62	14.4	27	17.3	44	280	31	270	07
08	57	43	50	-1	40	45	15	0	0608	1734	RA BR	M	M	M	T	28.30	30.06	4.6	28	6.6	28	220	15	310	08
09	57	50	54	3			11	0	0609	1732	RA	M	M	M	0.12	28.12	M	3.8	18	5.2	15	230	10	190	09
10	56	38	47	-3	40	44	18	0	0611	1731		M	M	M	0.01	28.17	29.98	6.7	32	8.2	25	330	17	330	10
11	52	35	44	-6	30	37	21	0	0612	1729	RA BR	M	M	M	0.00	28.43	30.23	6.4	29	8.2	28	270	21	280	11
12	43	30	37	-12	31	35	28	0	0613	1728	RA BR	M	M	M	0.02	28.55	30.31	3.1	16	4.4	39s	150	13	180	12
13	48	37	43	-6	37	40	22	0	0614	1726		M	M	M	0.03	28.35	30.12	6.1	30	8.0	29	350	22	340	13
14	42	33	38	-11	30	34	27	0	0615	1724	RA BR	M	M	M	T	28.46	30.24	4.5	36	5.2	23	220	13	350	14
15	38	31	35	-13	28	31	30	0	0616	1723	RA BR	M	M	M	0.16	28.30	30.05	7.1	06	7.3	20	060	13	050	15
16	37	30*	34*	-14	31	32	31	0	0617	1721		M	M	M	0.08	28.22	30.01	3.8	03	5.0	15	040	12	050	16
17	42	34	38	-10	33	36	27	0	0619	1720	SN BR	M	M	M	0.01	28.33	30.12	1.2	01	2.3	22	300	7	030	17
18	51	33	42	-5	27	35	23	0	0620	1718	RA SN BR	M	M	M	0.00	28.39	30.17	8.4	36	9.3	30	080	18	010	18
19	M	M	M	M			M	M	0621	1716	SN BR UP	M	M	M	M	M	M	M	M	M	M	M	M	M	19
20	M	M	M	M	M	M	M	M	0622	1715		M	M	M	M	M	M	M	M	M	M	M	M	M	20
21	M	M	M	M	M	M	M	M	0623	1713		M	M	M	M	M	M	M	M	M	M	M	M	M	21
22	M	M	M	M	M	M	M	M	0624	1712		M	M	M	M	M	M	M	M	M	M	M	M	M	22
23	M	M	M	M	M	M	M	M	0626	1710		M	M	M	M	M	M	M	M	M	M	M	M	M	23
24	M	M	M	M	M	M	M	M	0627	1709		M	M	M	M	M	M	M	M	M	M	M	M	M	24
25	M	M	M	M	M	M	M	M	0628	1708		M	M	M	M	M	M	M	M	M	M	M	M	M	25
26	M	M	M	M	M	M	M	M	0629	1706		M	M	M	M	M	M	M	M	M	M	M	M	M	26
27	M	M	M	M	M	M	M	M	0631	1705		M	M	M	M	M	M	M	M	M	M	M	M	M	27
28	M	M	M	M	M	M	M	M	0632	1703		M	M	M	M	M	M	M	M	M	M	M	M	M	28
29	M	M	M	M	M	M	M	M	0633	1702		M	M	M	M	M	M	M	M	M	M	M	M	M	29
30	M	M	M	M	M	M	M	M	0634	1701		M	M	M	M	M	M	M	M	M	M	M	M	M	30
31	M	M	M	M	M	M	M	M	0635	1659		M	M	M	M	M	M	M	M	M	M	M	M	M	31
	M	M	M		M	M	M	M	<-----Monthly Averages | Totals----->			M	M	M	M	M	M	M	M	<Monthly Average					
	M	M	M	<----------Departure From Normal---------->									M												

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	M	M		M

Greatest 24-hr Precipitation: M Date: M

Greatest 24-hr Snowfall: M Date: M

Greatest Snow Depth: M Date: M

Sea Level Pressure	Date	Time (LST)
Maximum M	M	M
Minimum M	M	M

APPENDIX B.3

TIME SERIES PLOTS – FIGURES B.1 THROUGH B.37

SHA
IMPROVING EARTH

Figure B.1
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

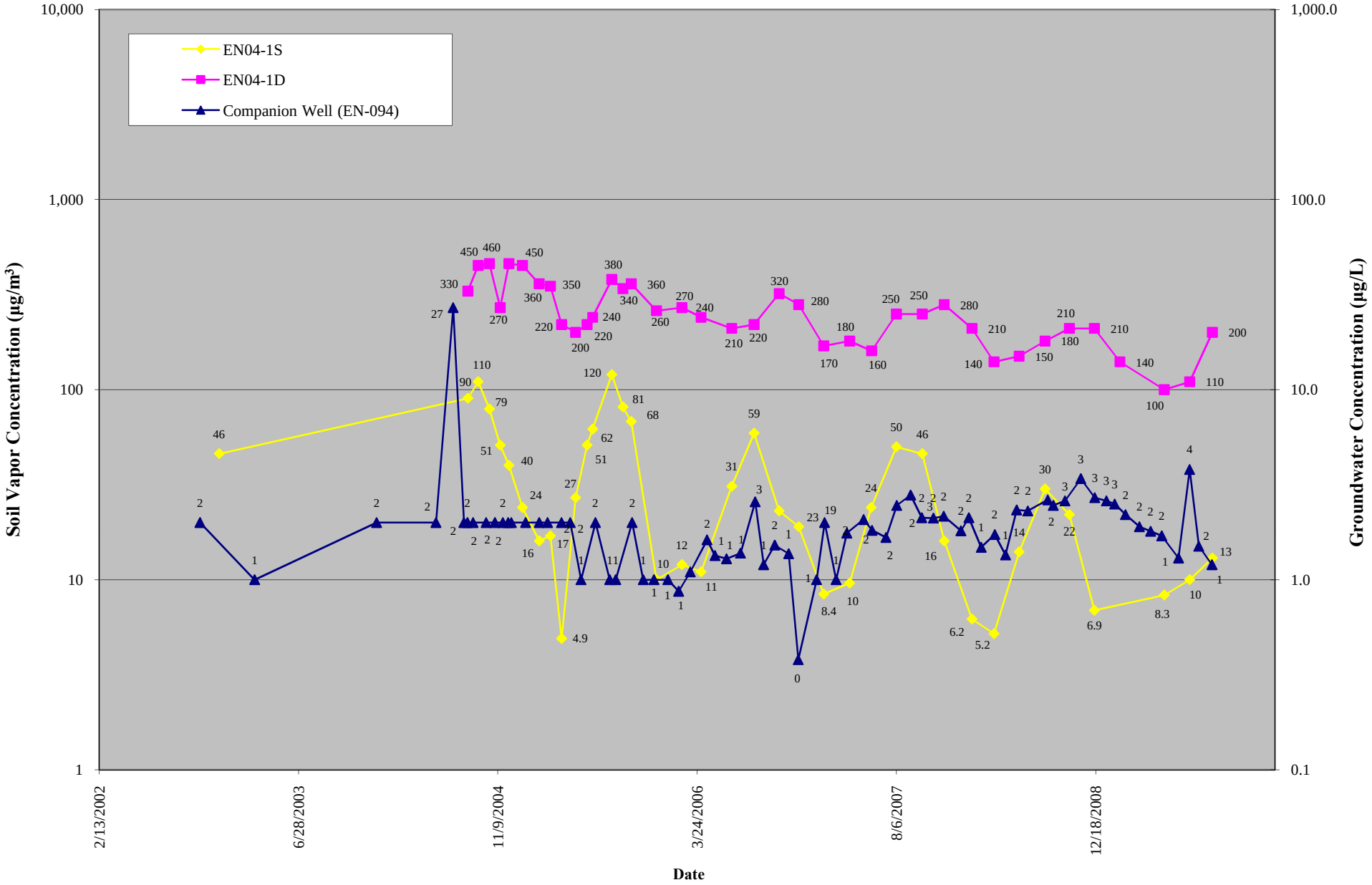


Figure B.2
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

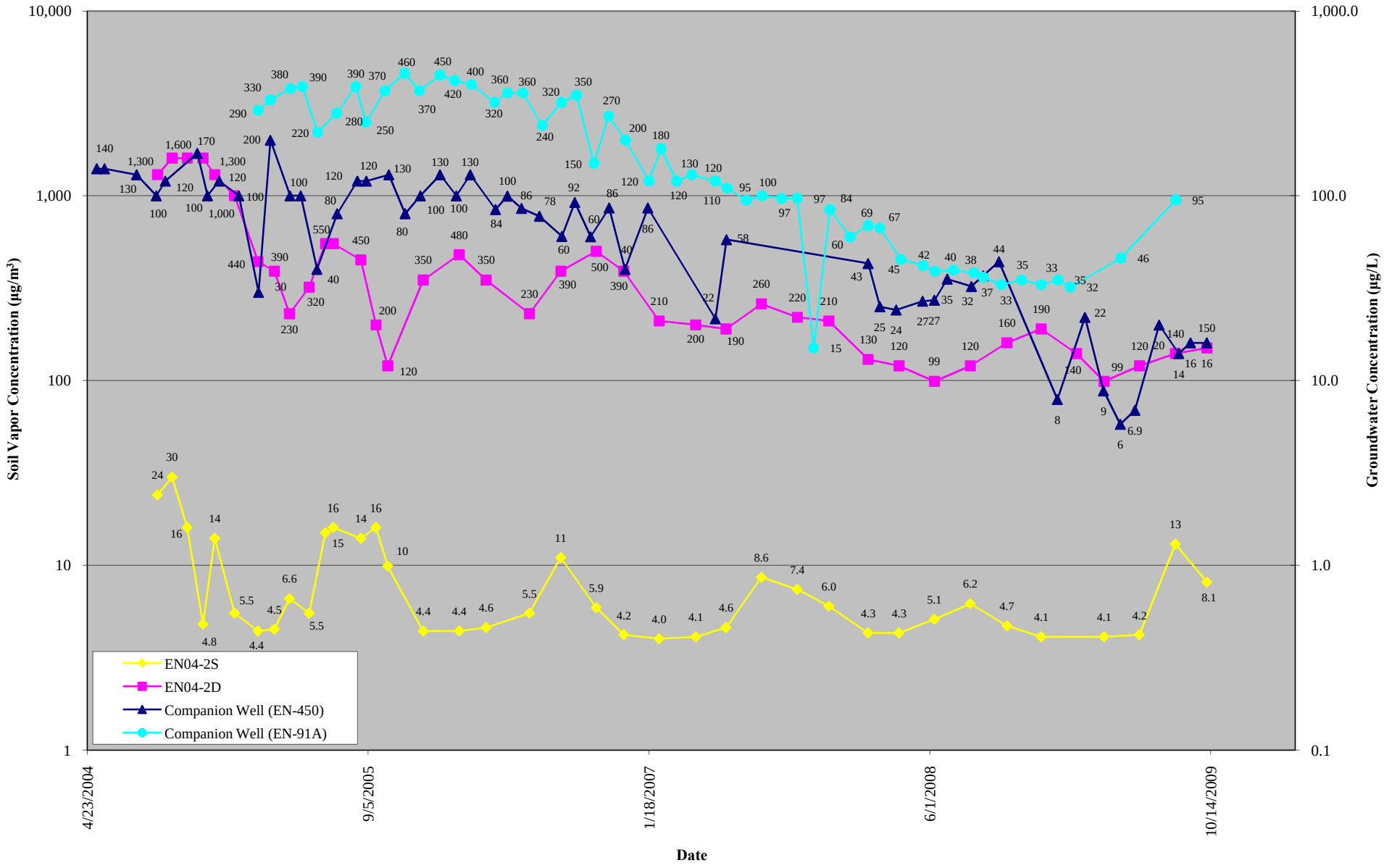


Figure B.3
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

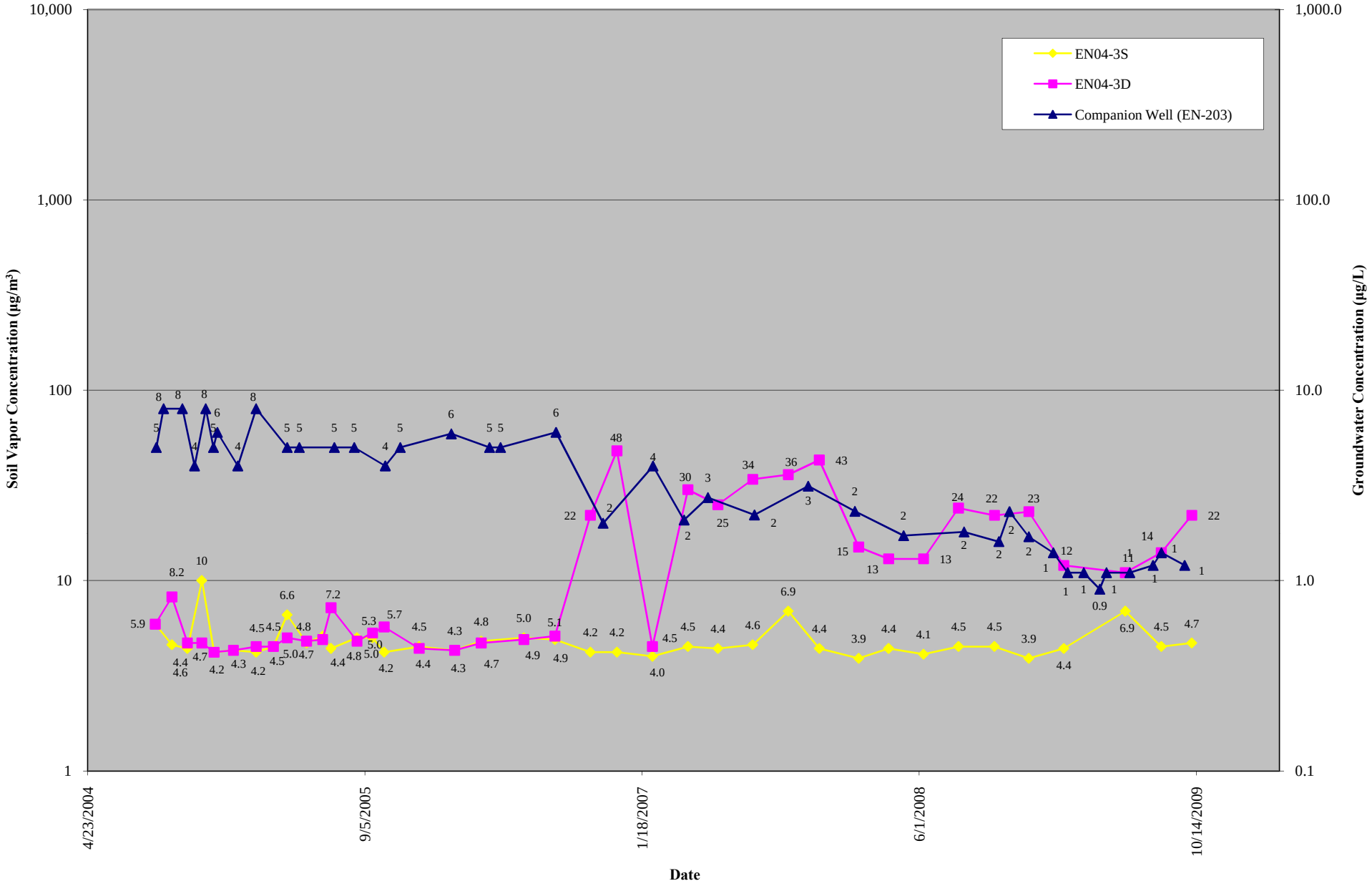


Figure B.4
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

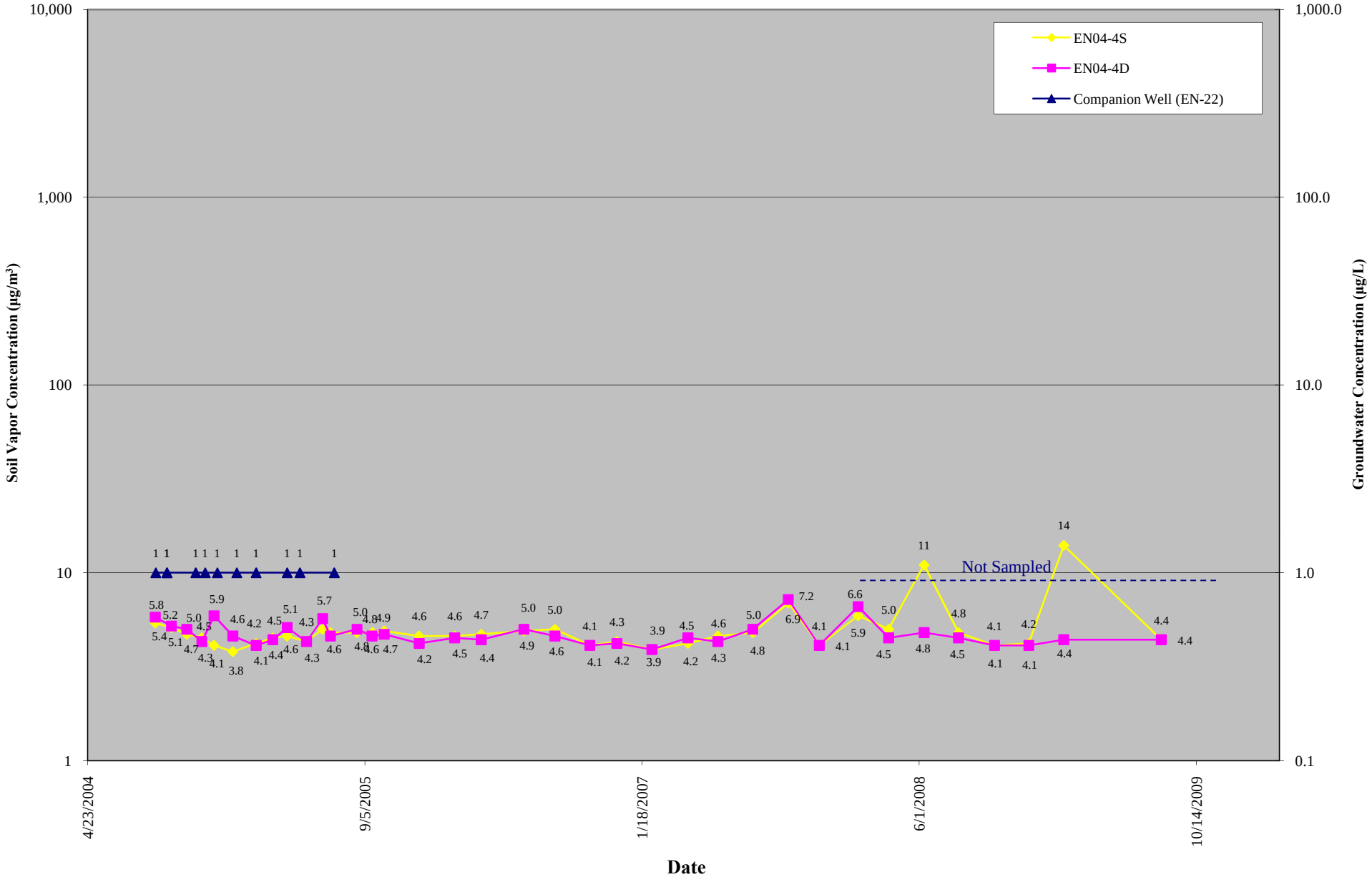
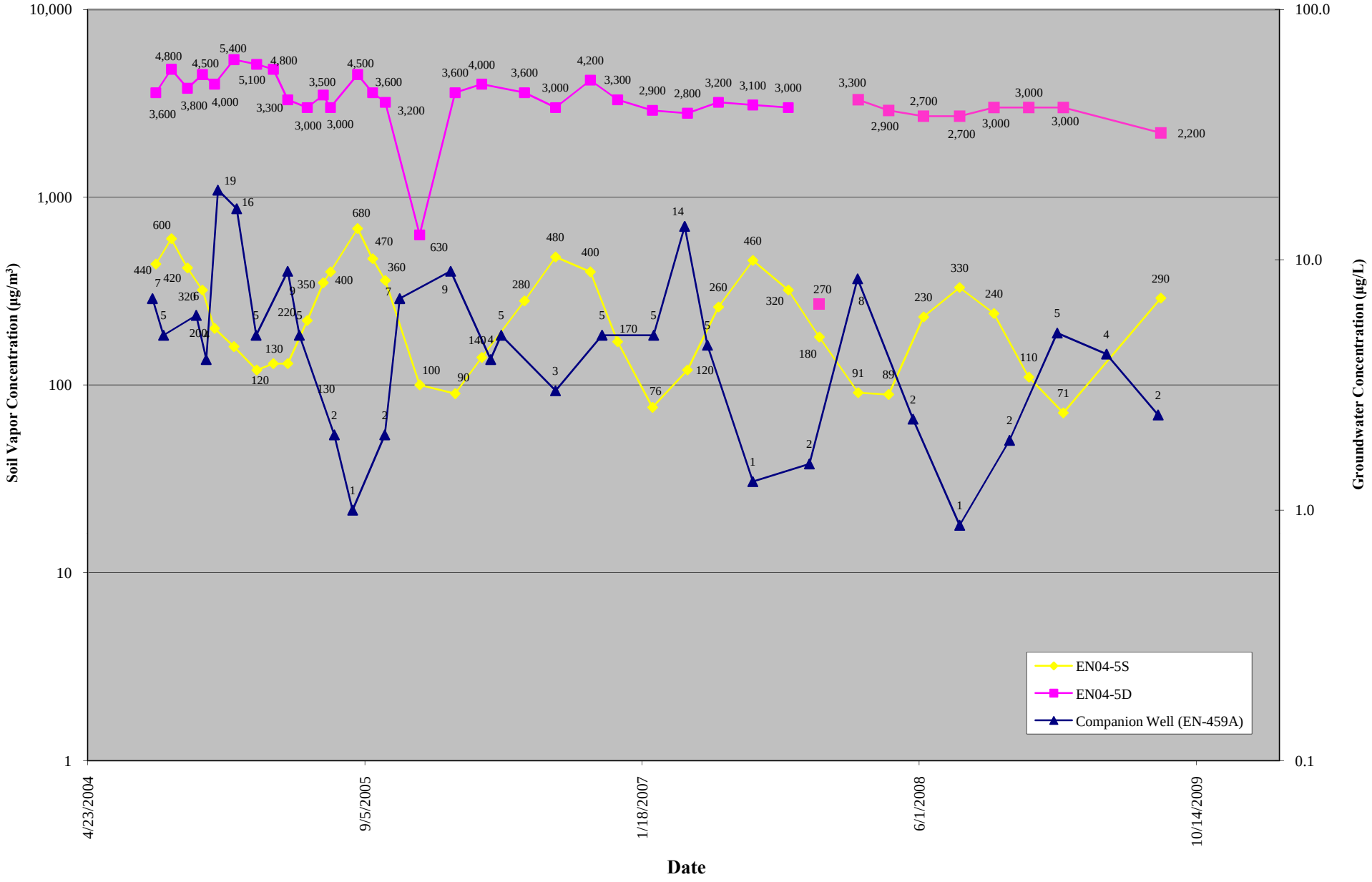


Figure B.5
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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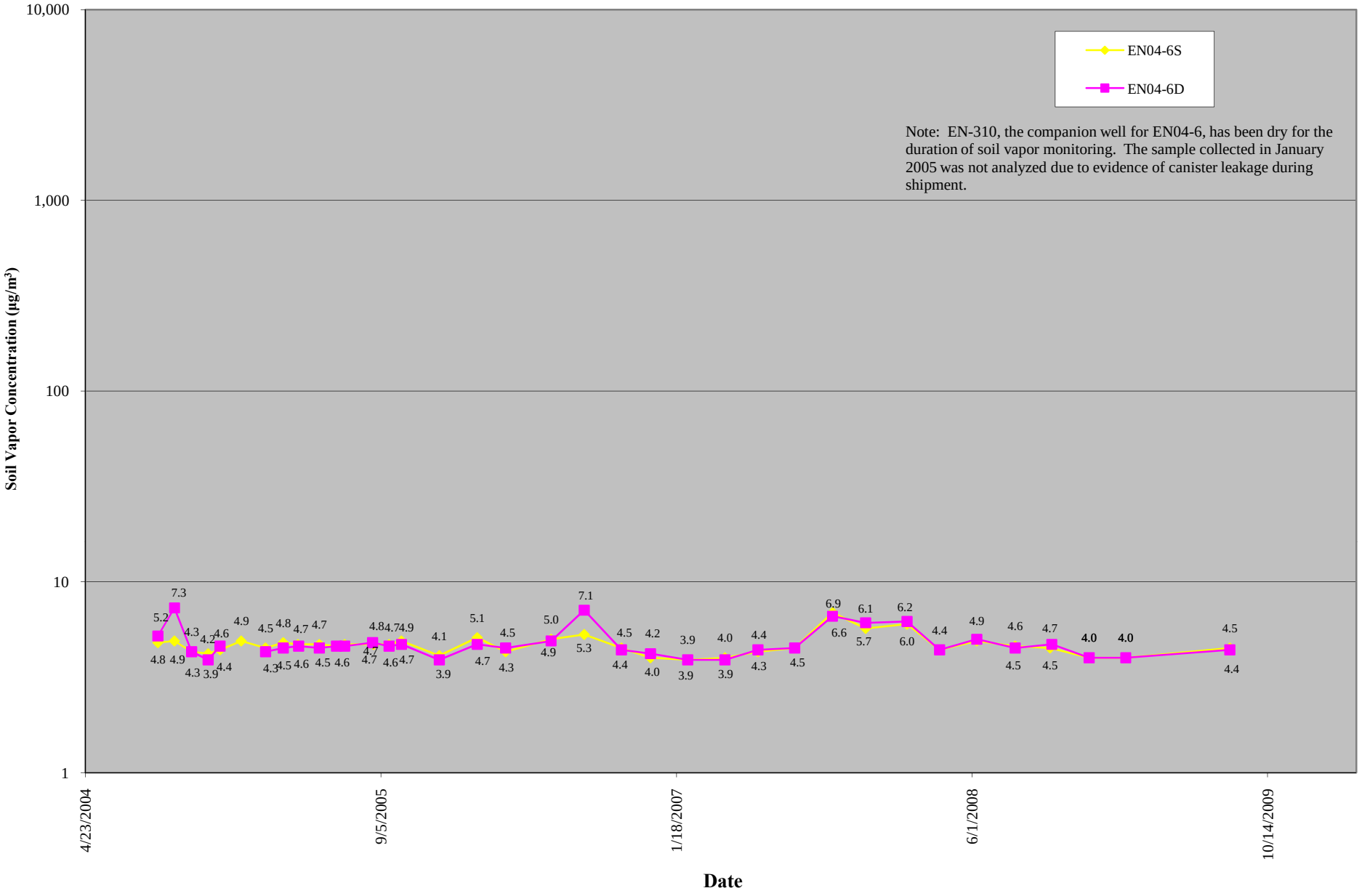
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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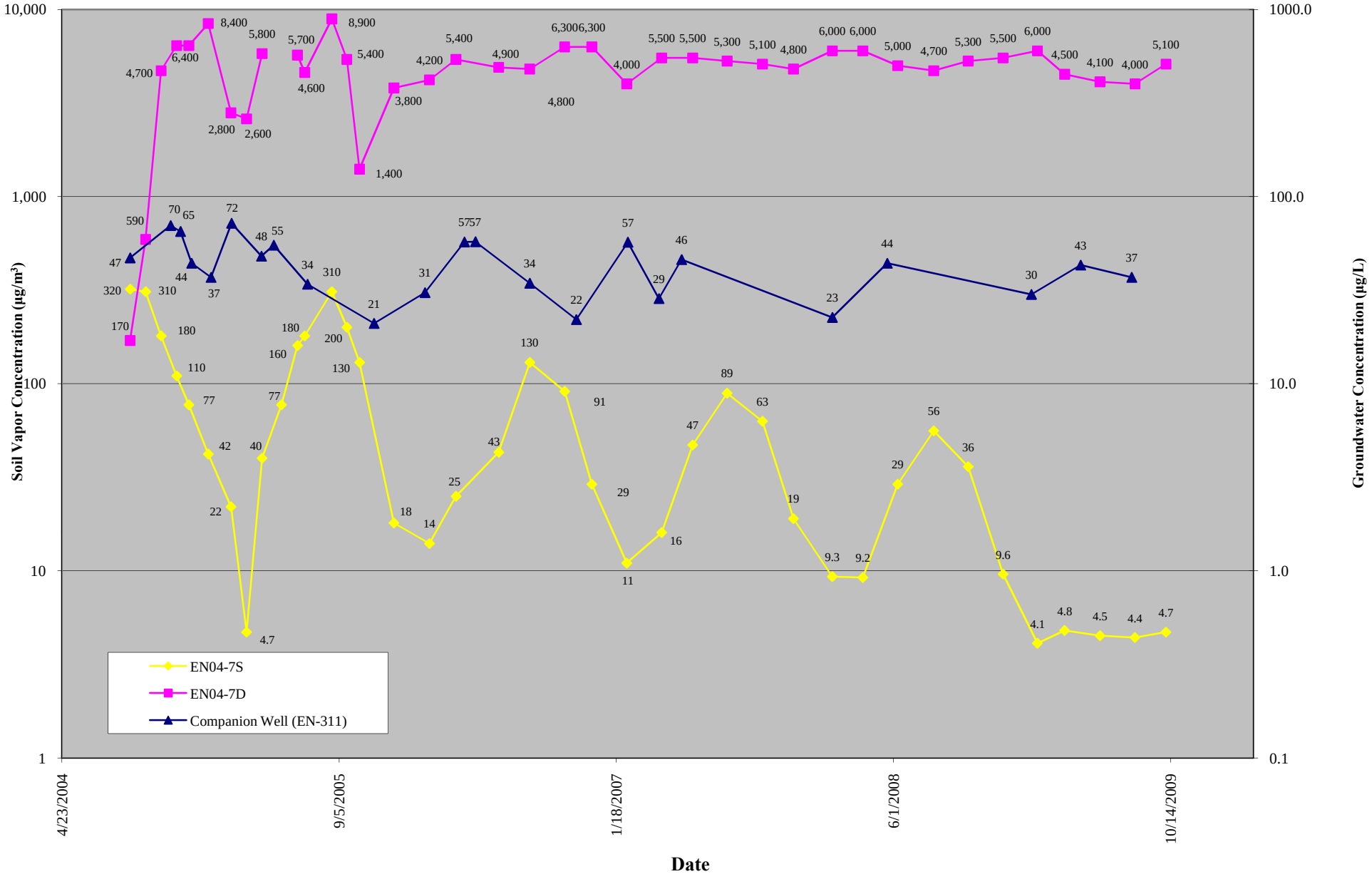
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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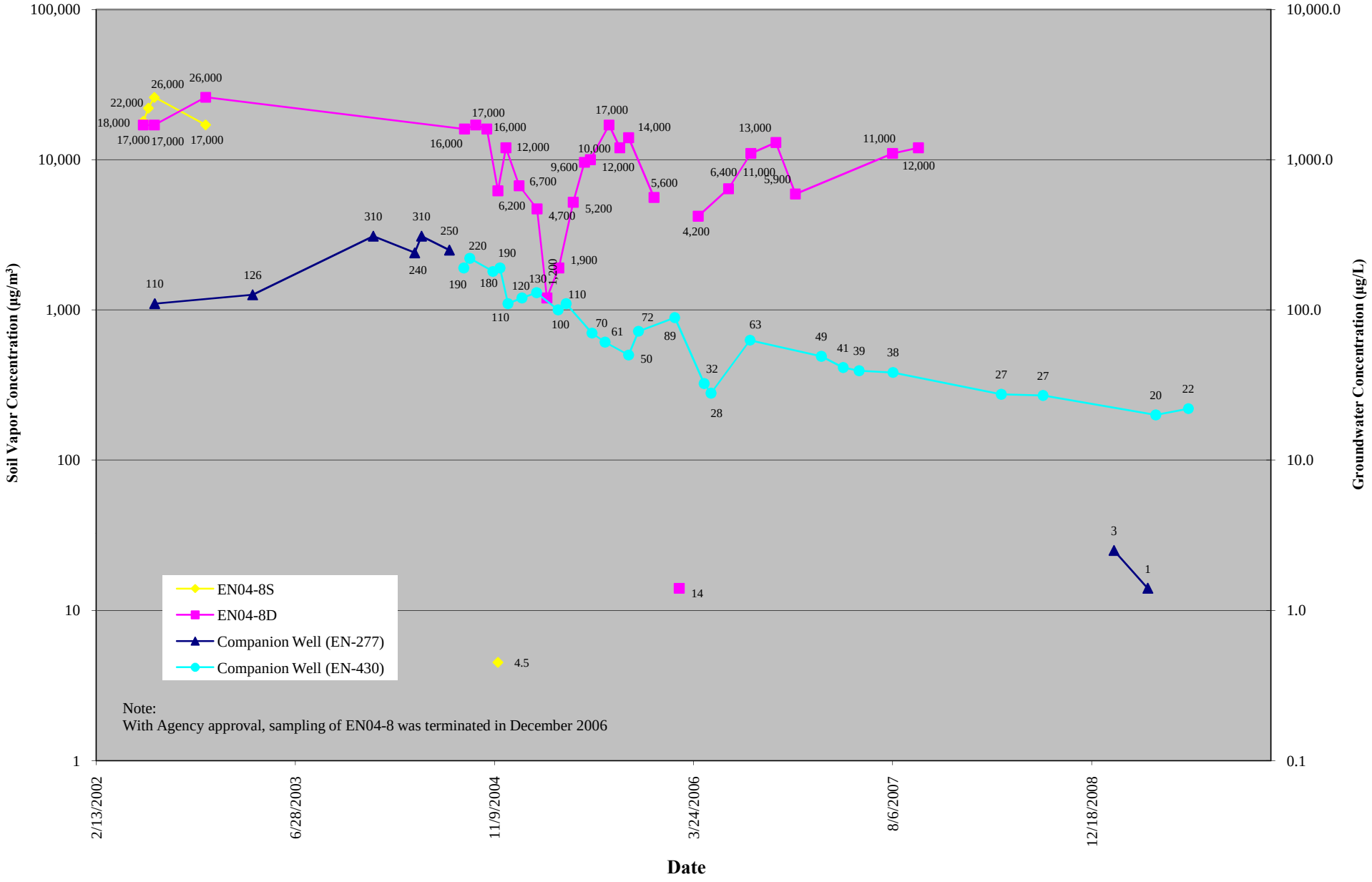

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TCE in Soil Vapor and Groundwater
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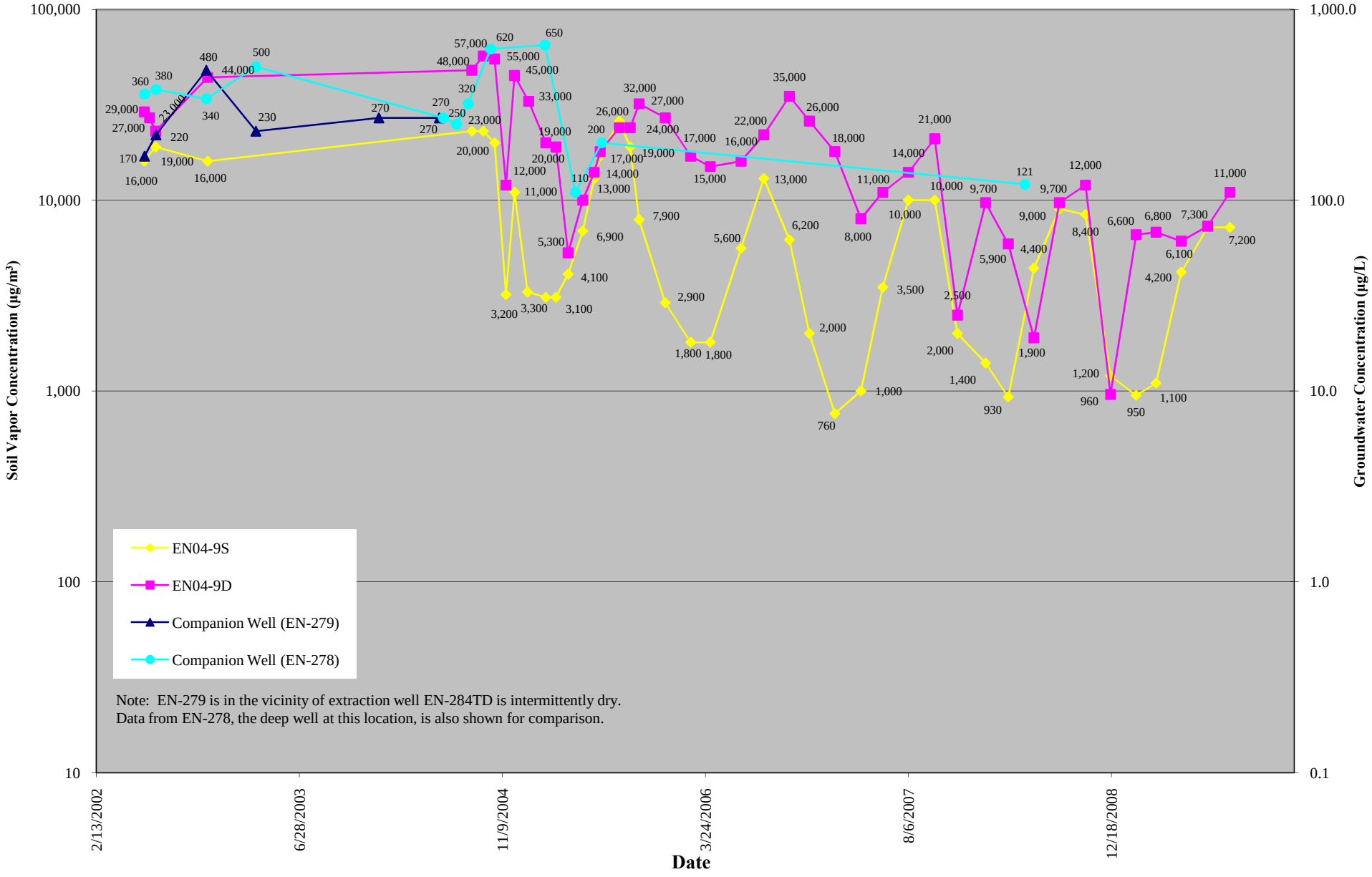
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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Comprehensive Operations, Maintenance, & Monitoring Program
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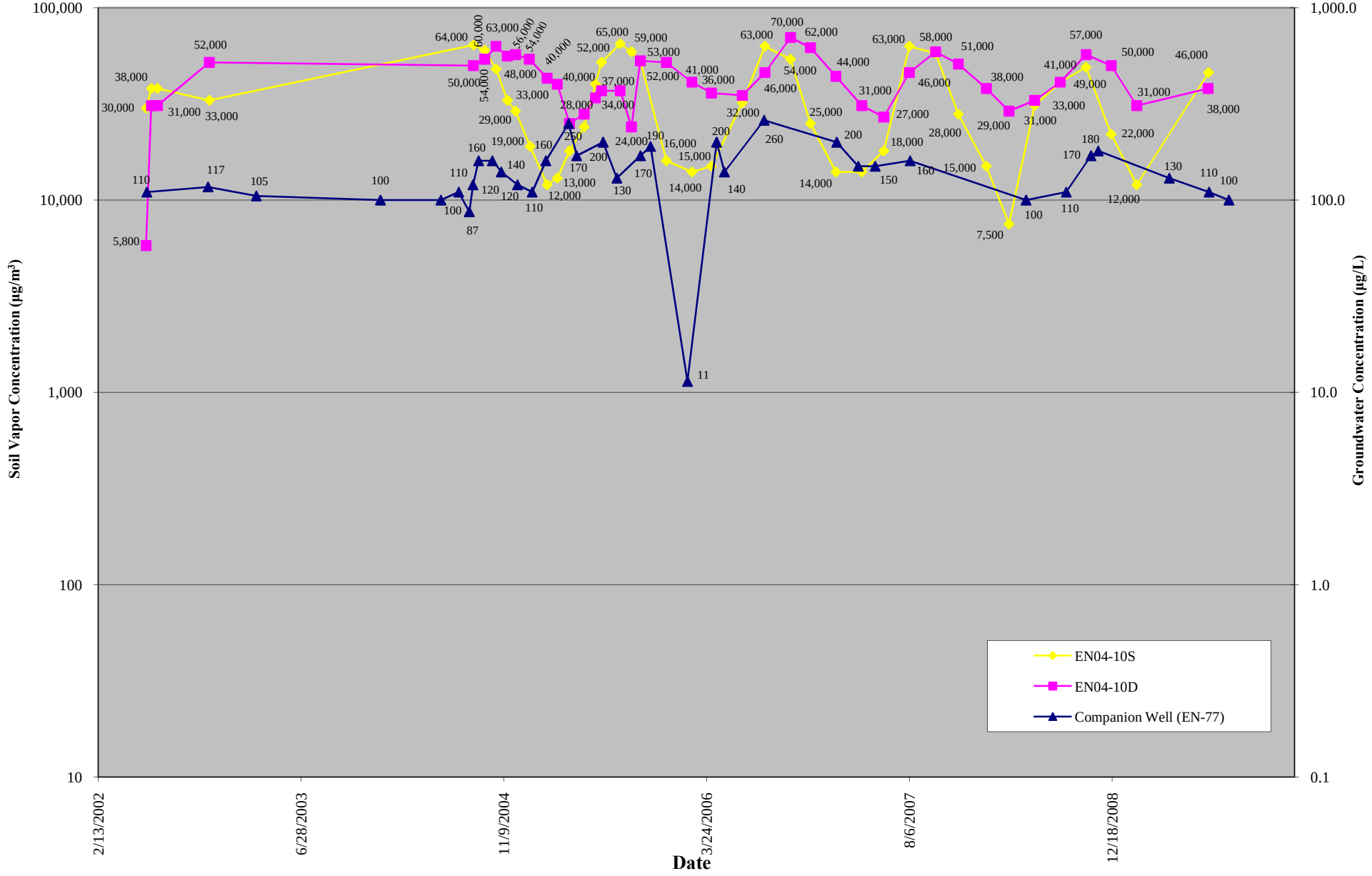

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TCE in Soil Vapor and Groundwater
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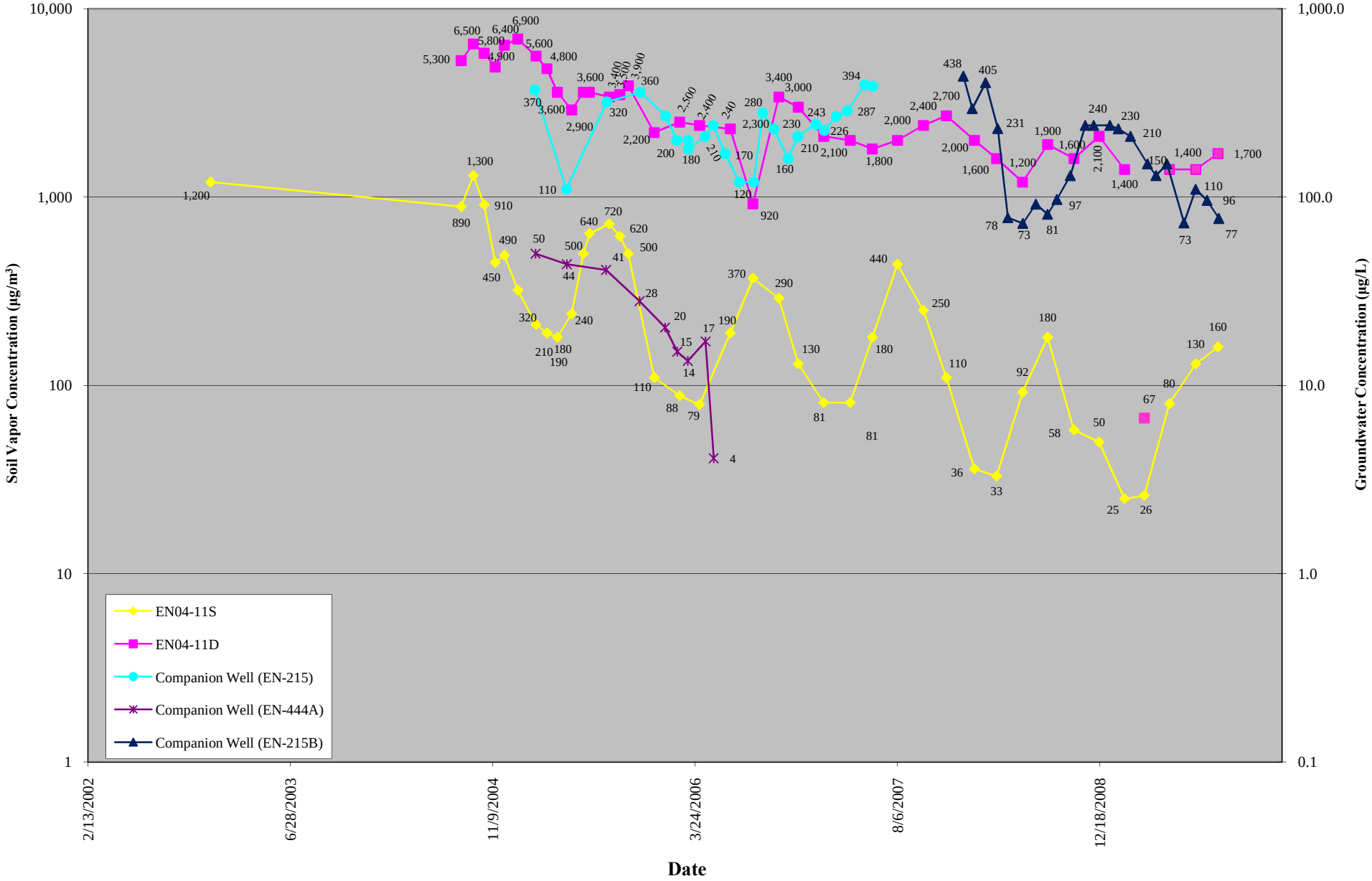
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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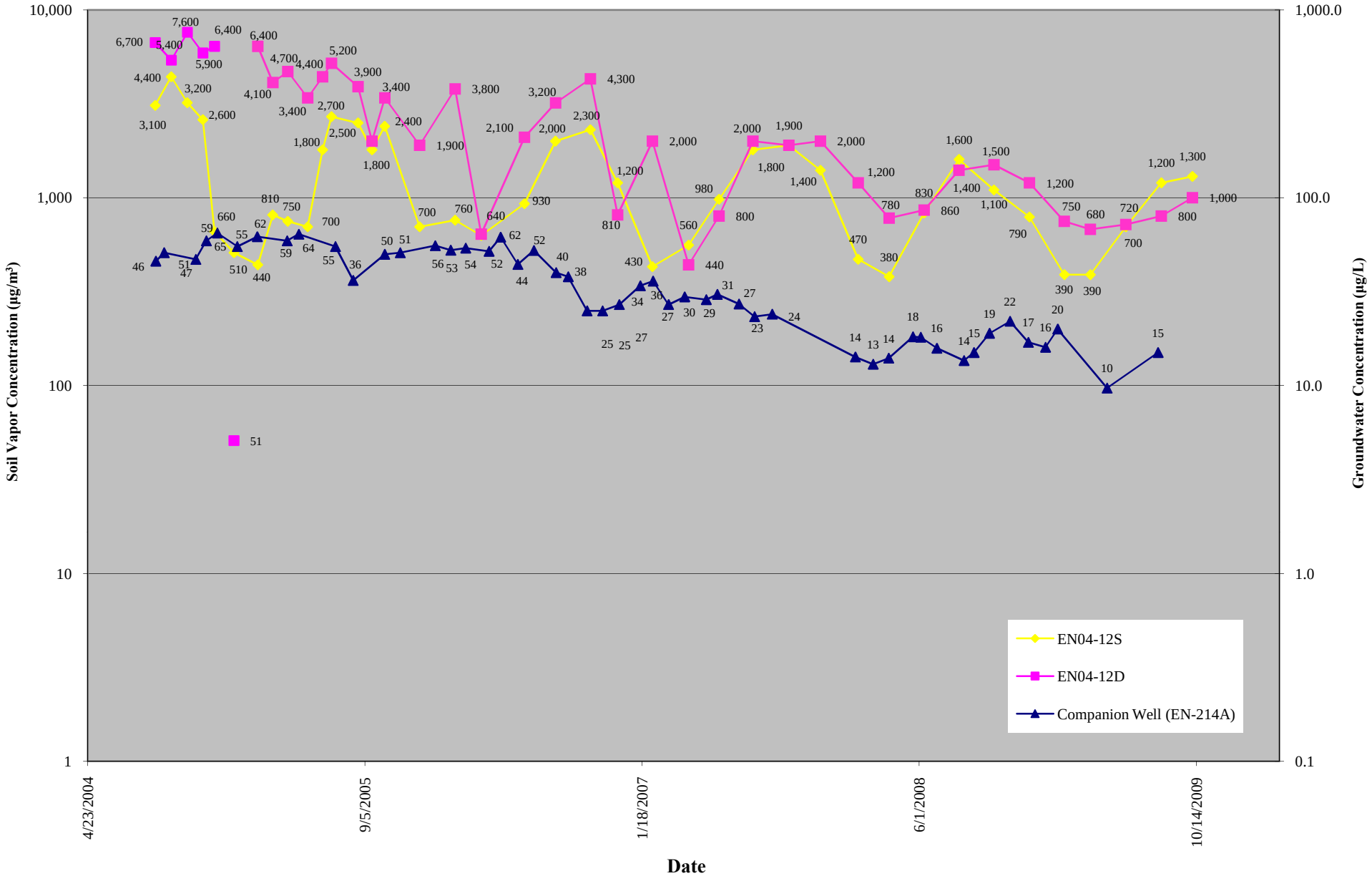
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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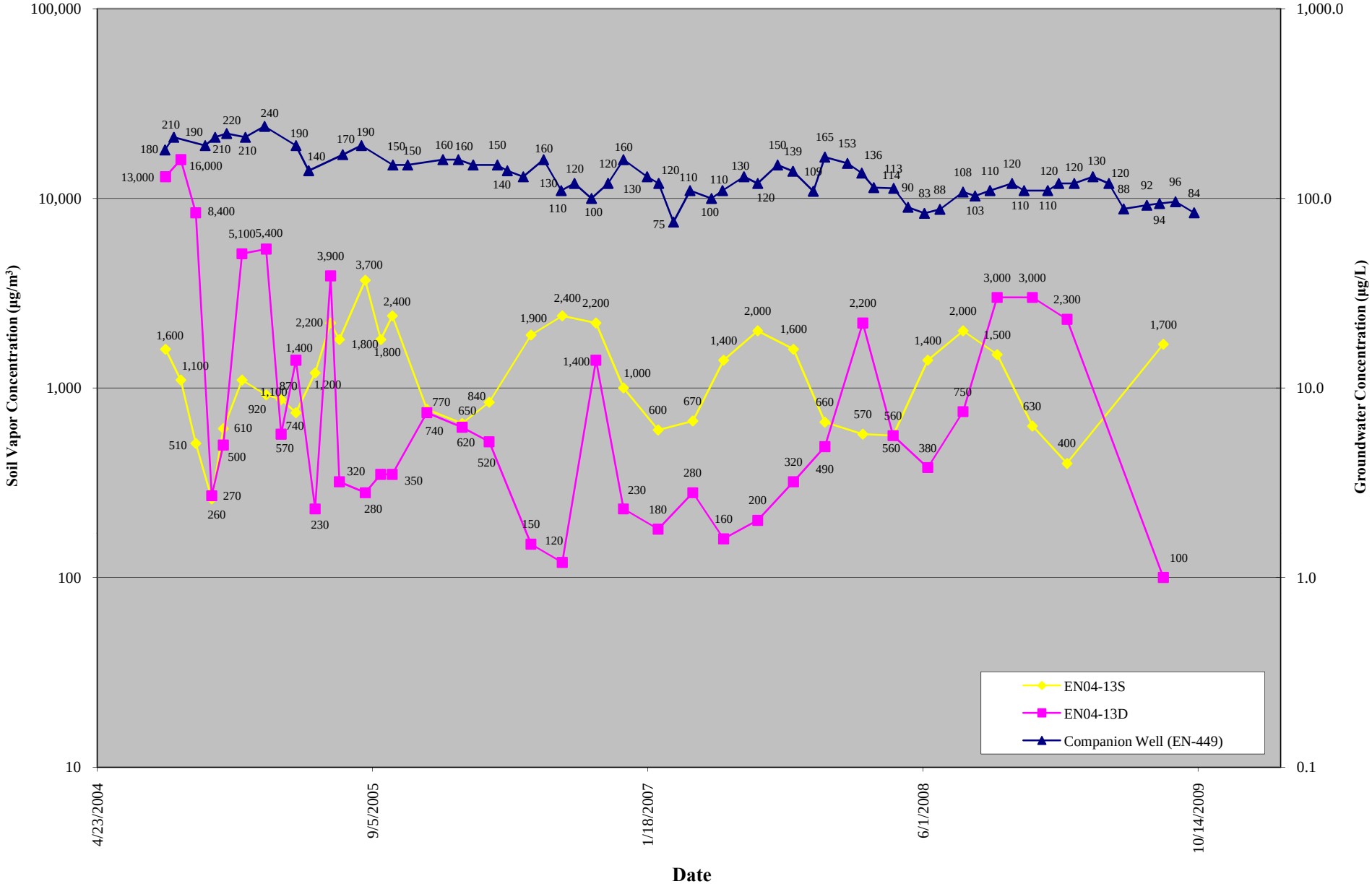
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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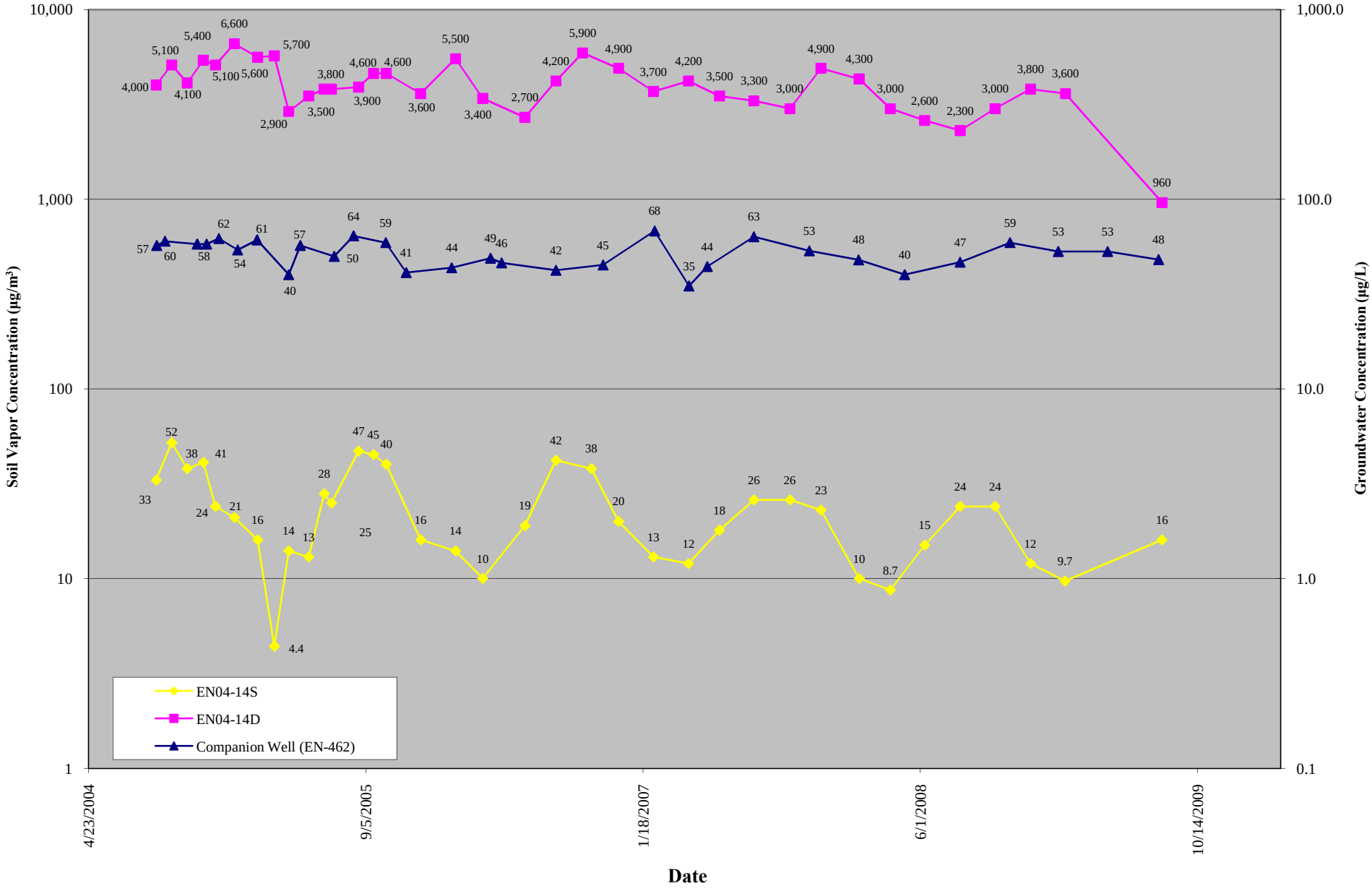
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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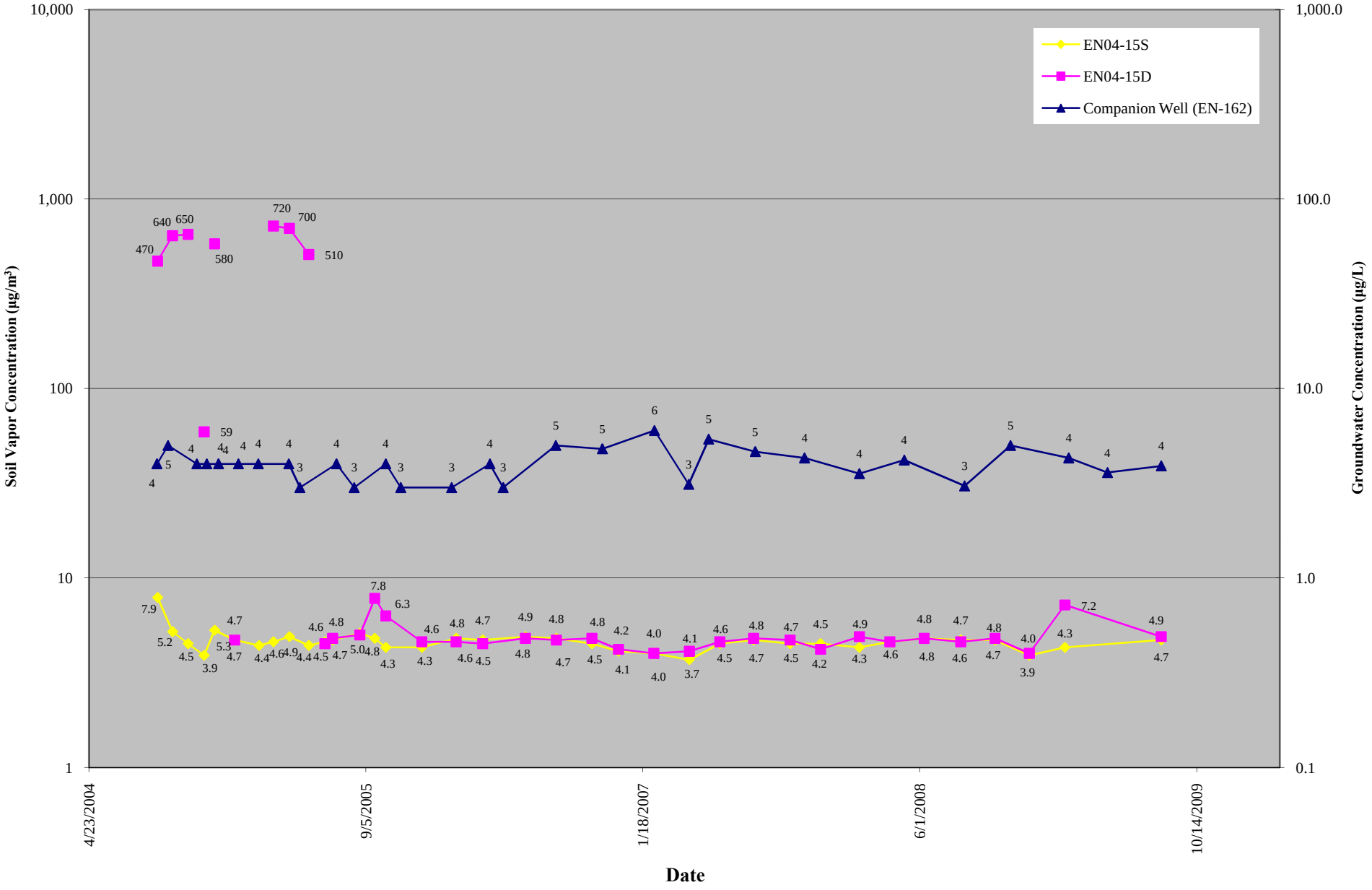
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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TCE in Soil Vapor and Groundwater
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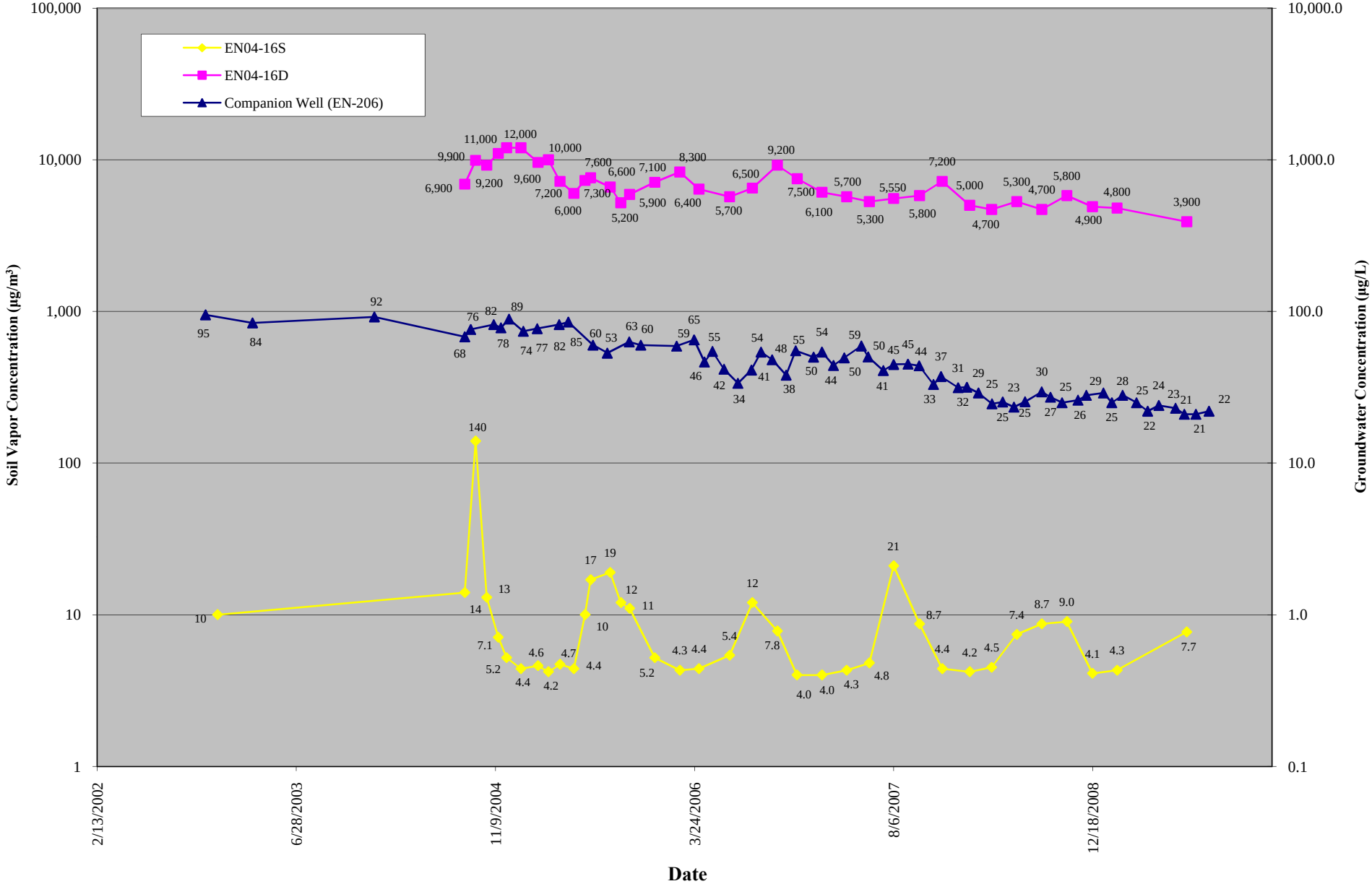

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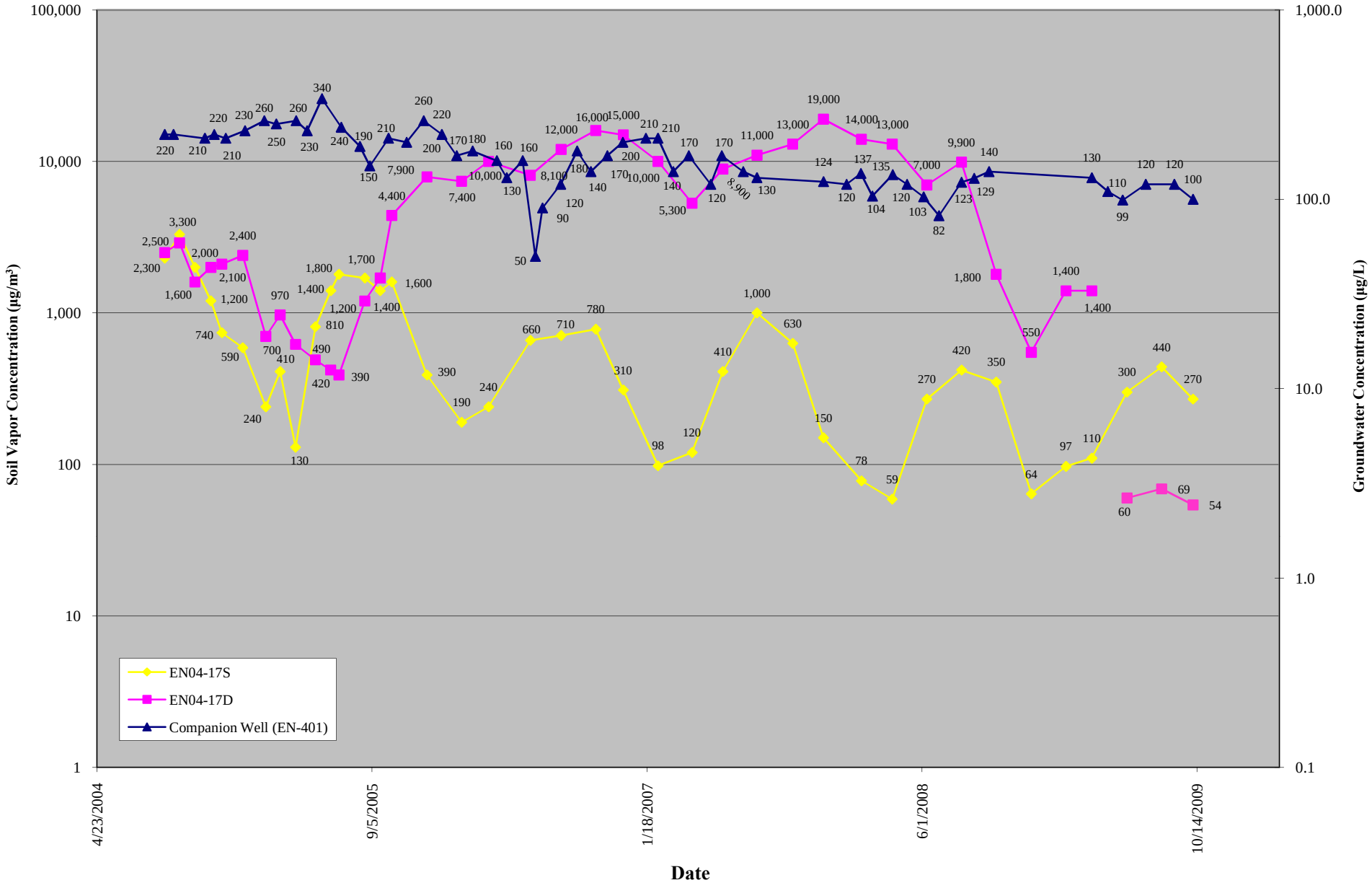
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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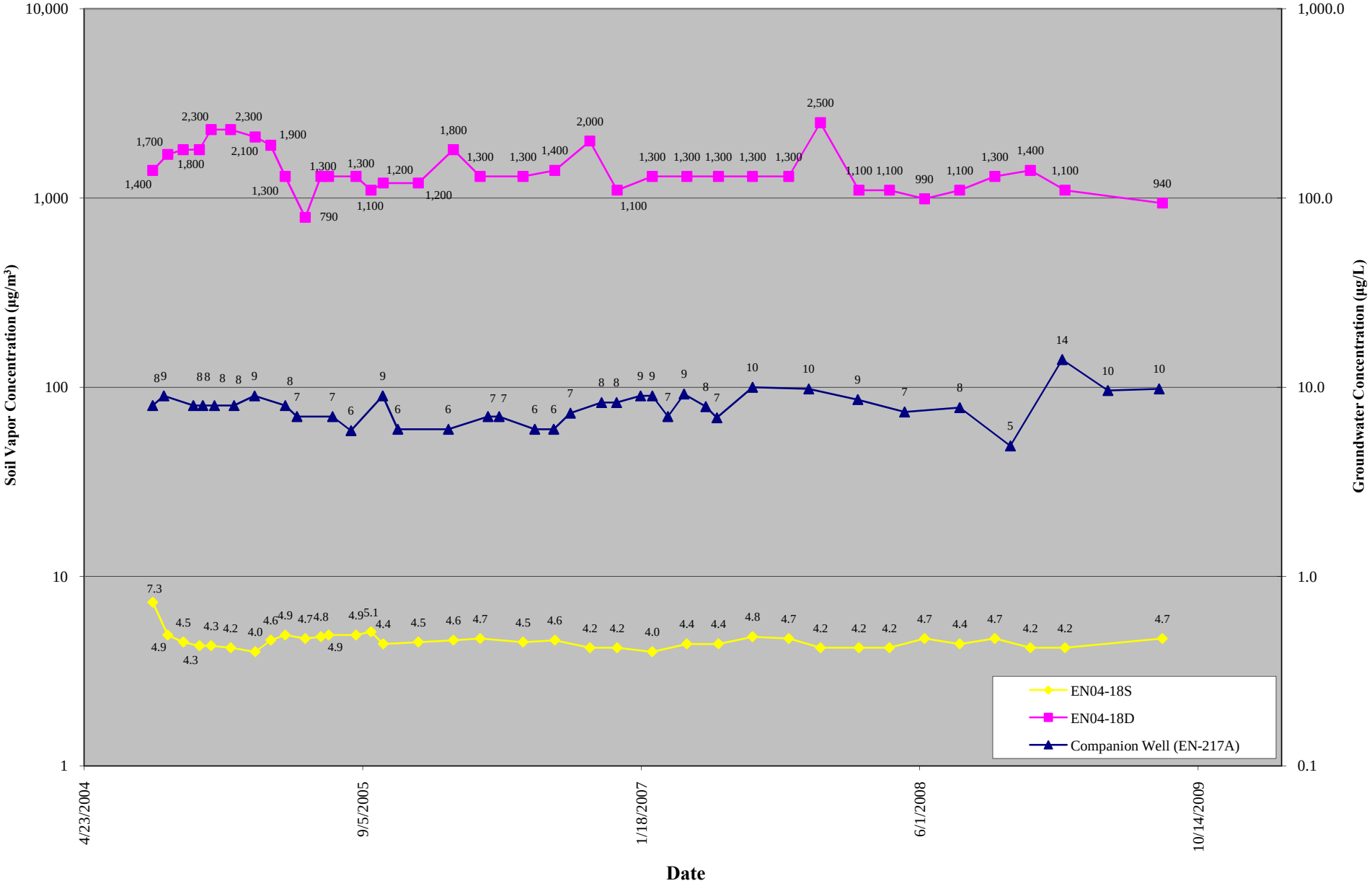
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
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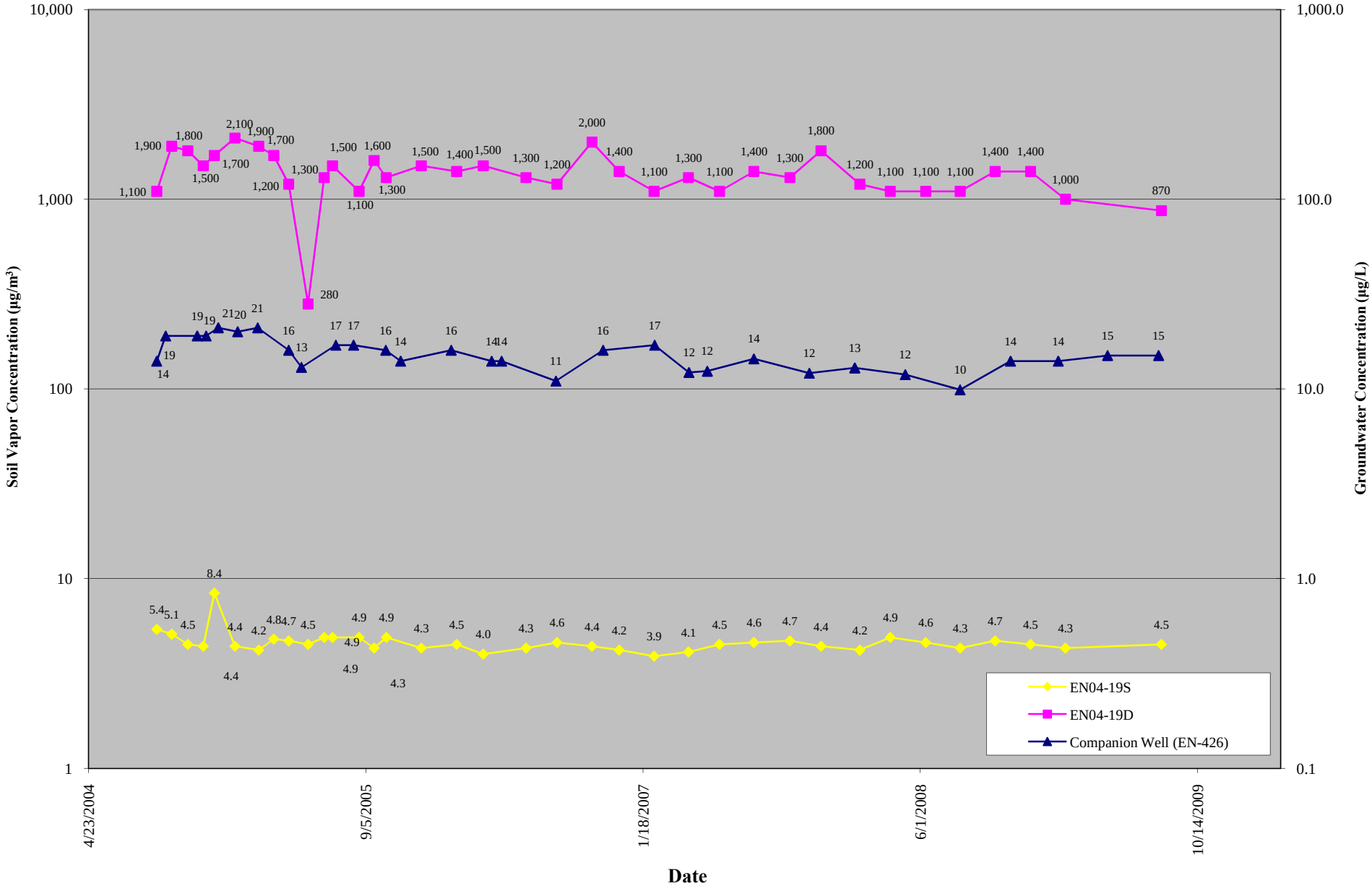

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TCE in Soil Vapor and Groundwater
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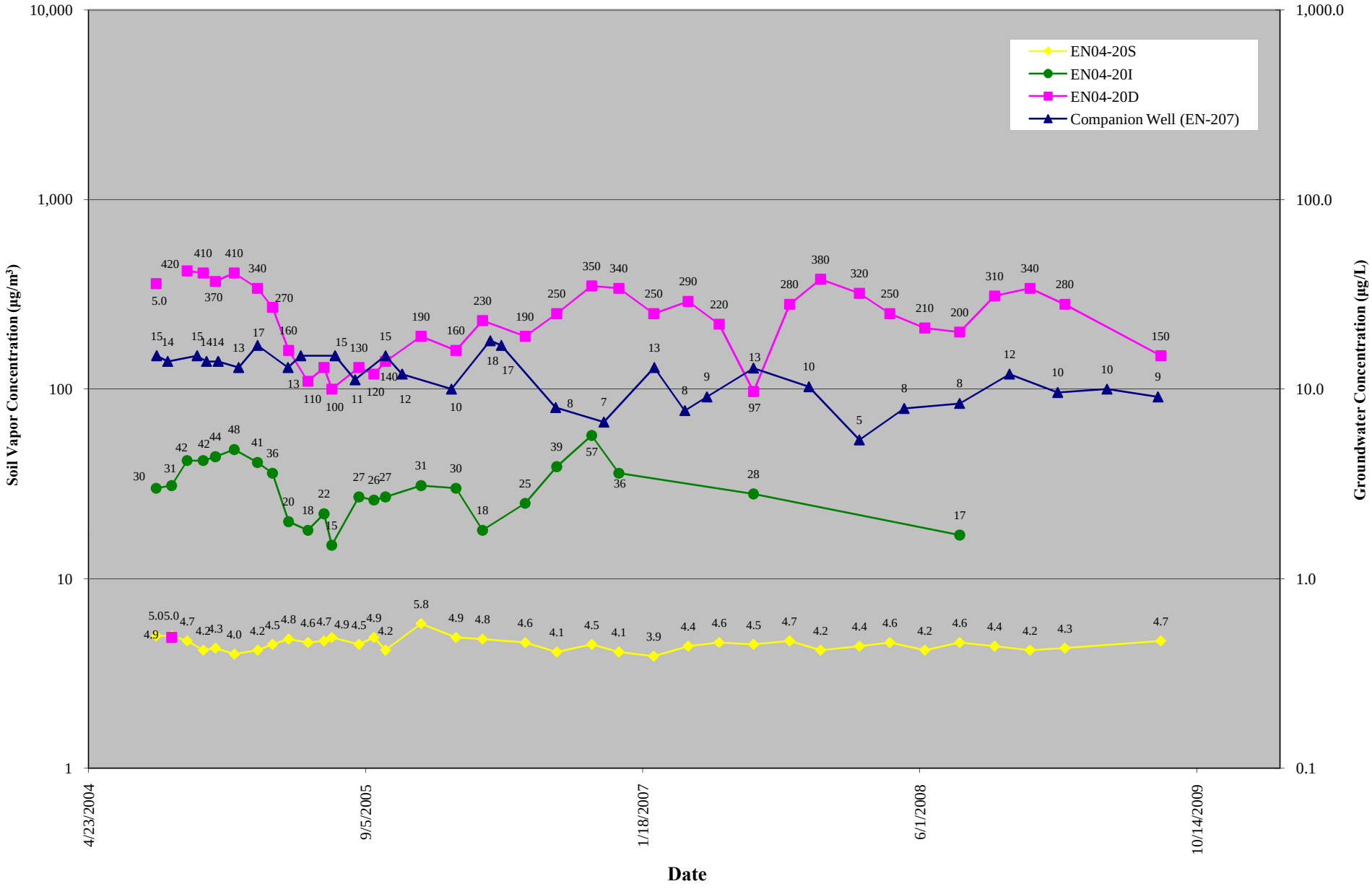
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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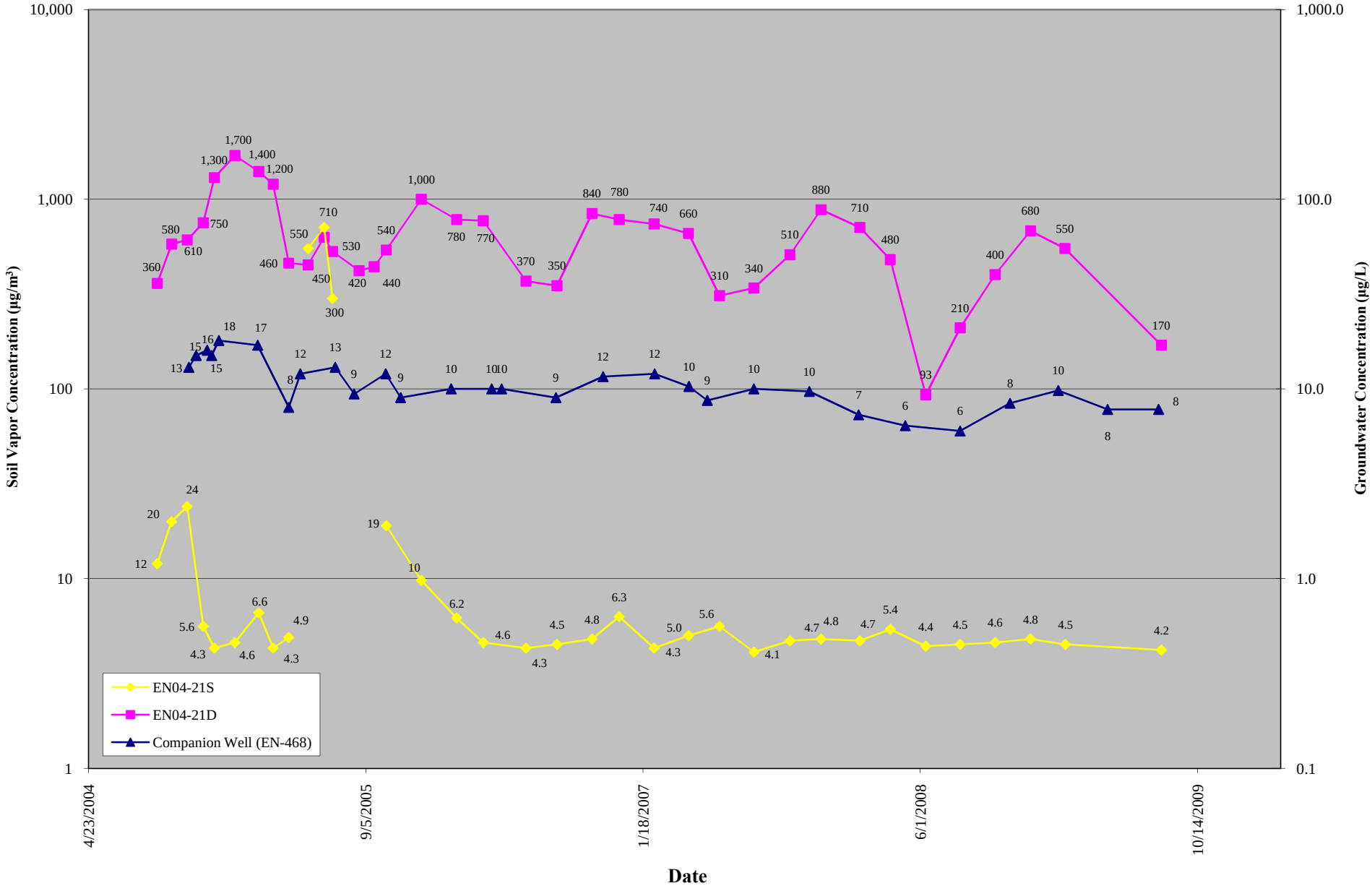
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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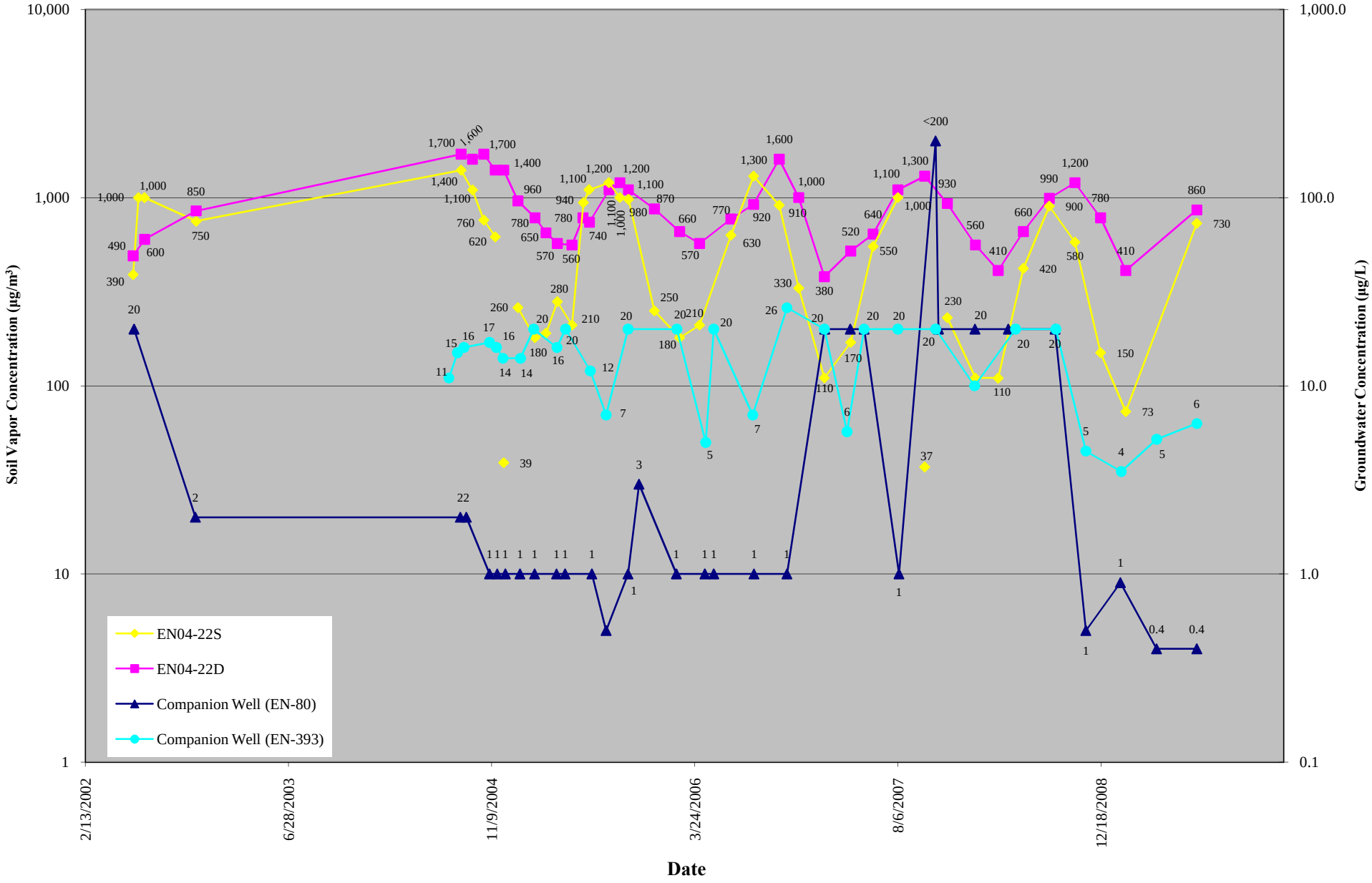
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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TCE in Soil Vapor and Groundwater
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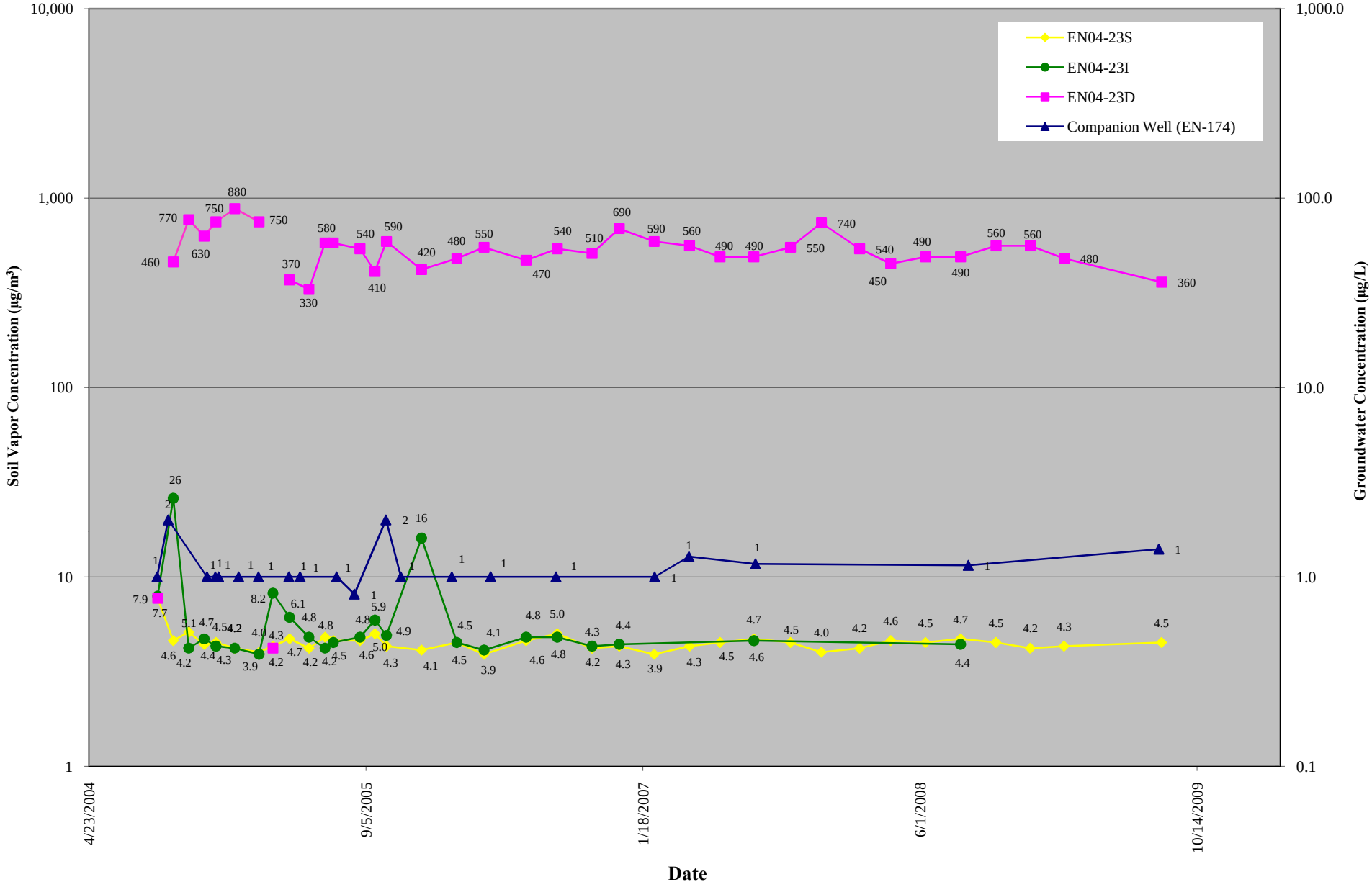
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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TCE in Soil Vapor and Groundwater
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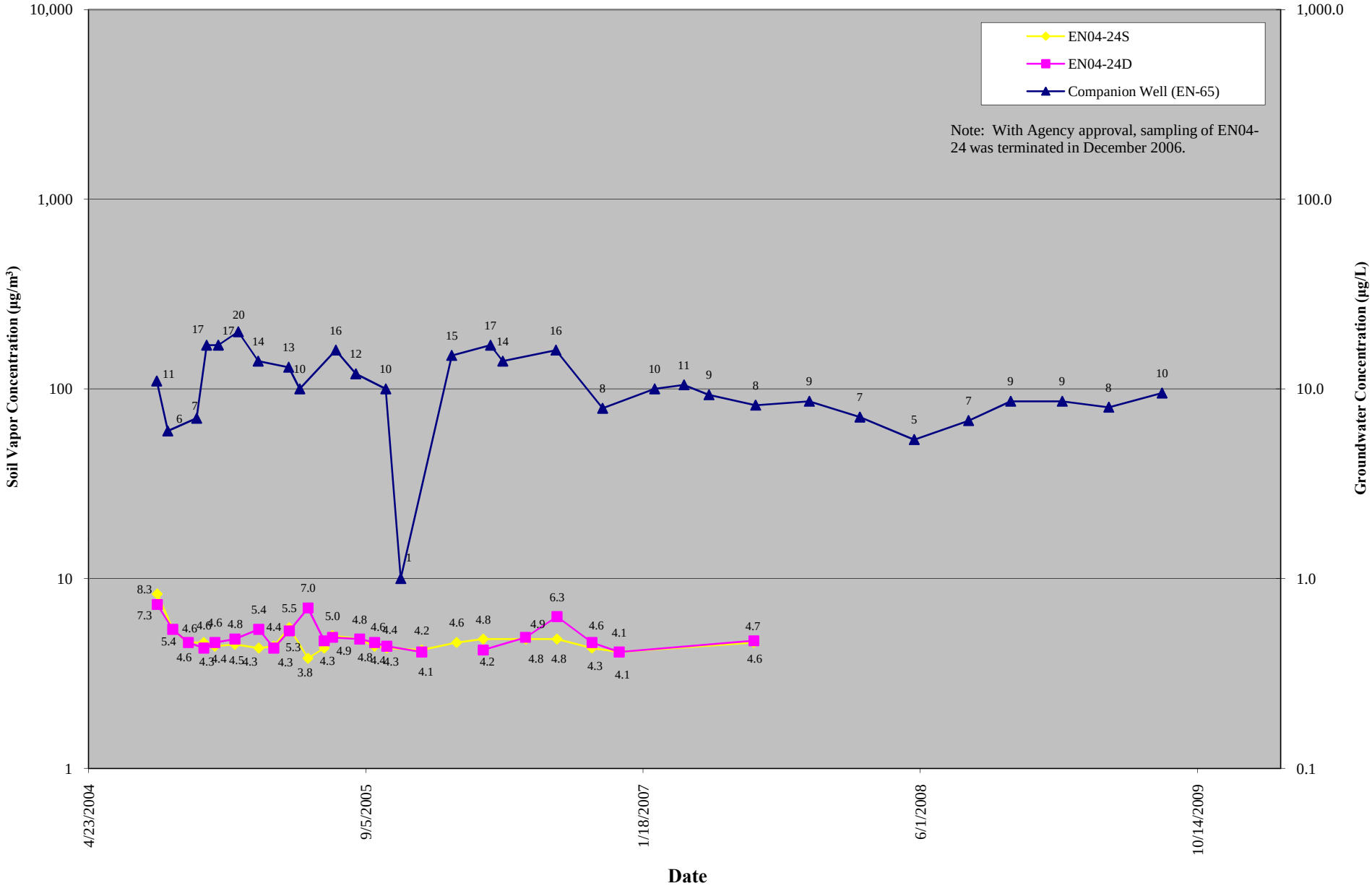
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
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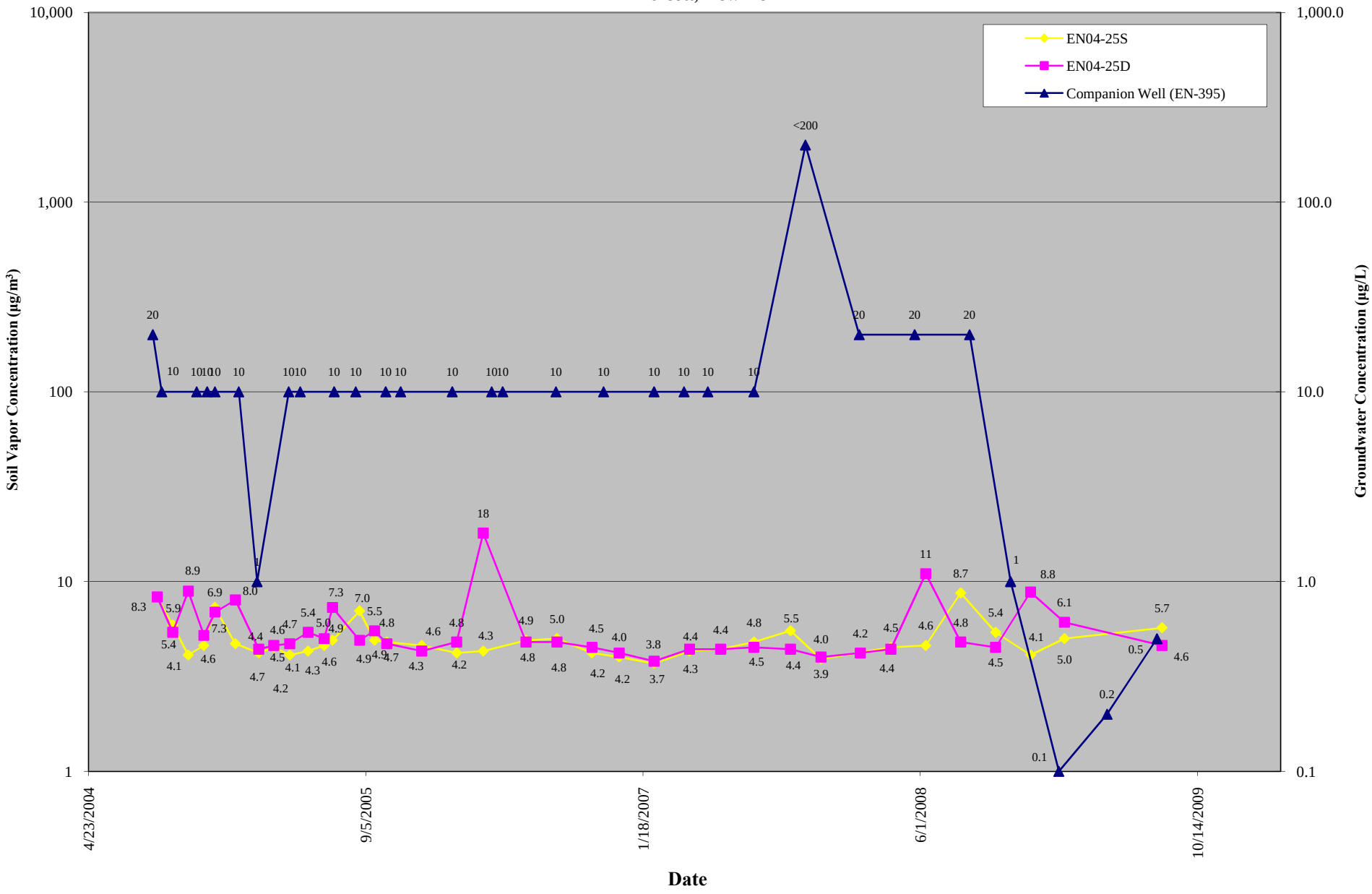

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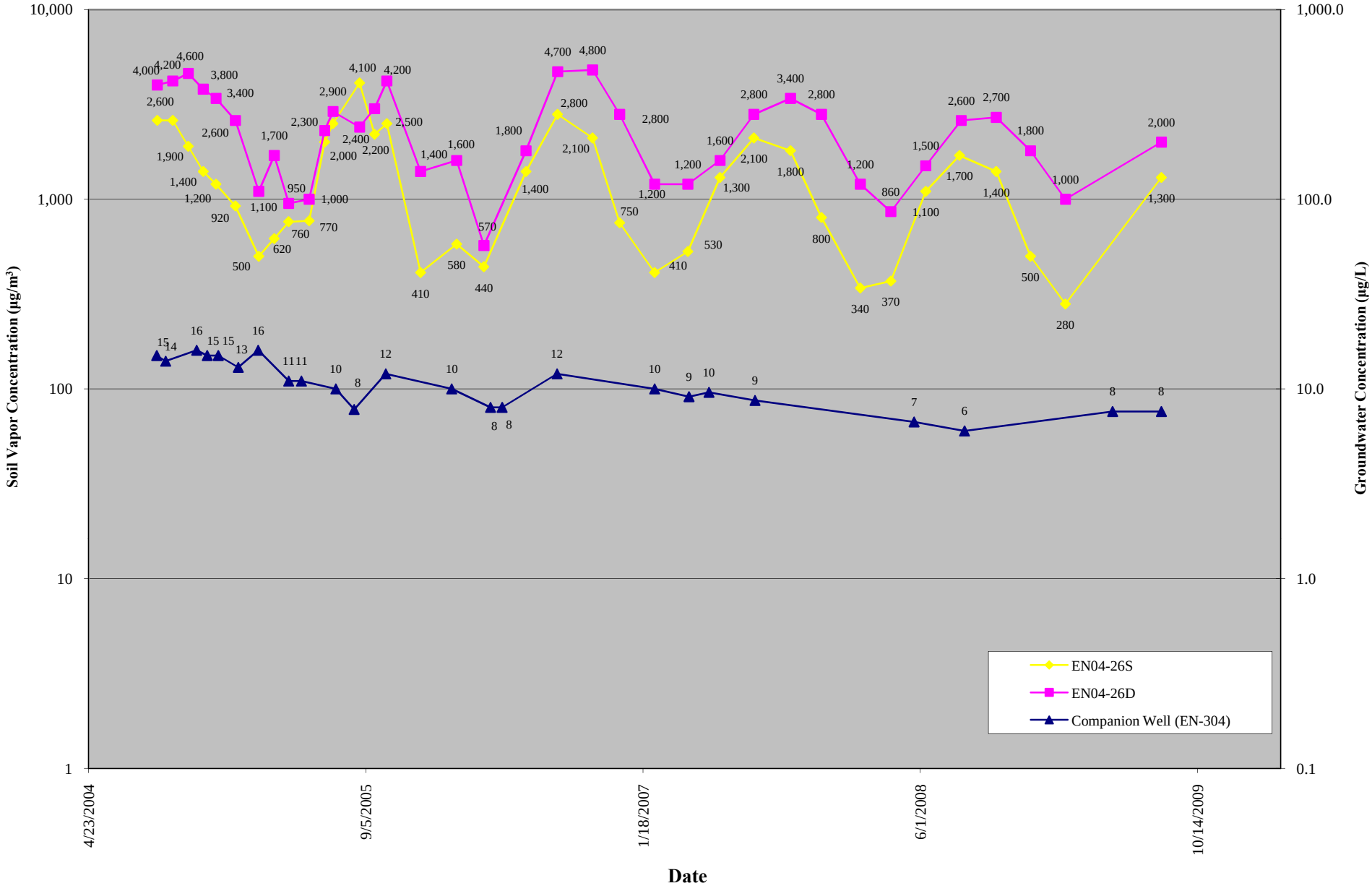
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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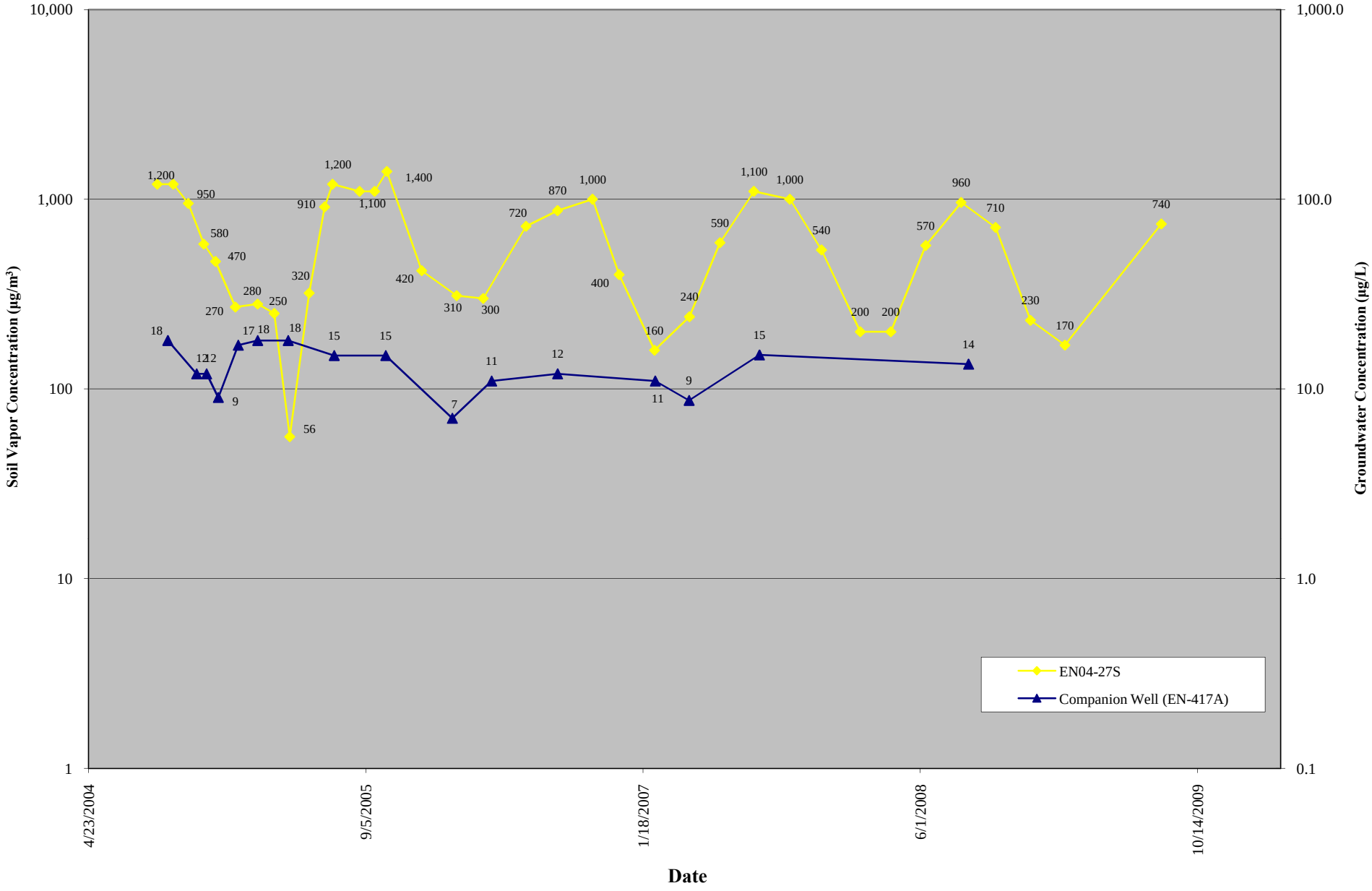
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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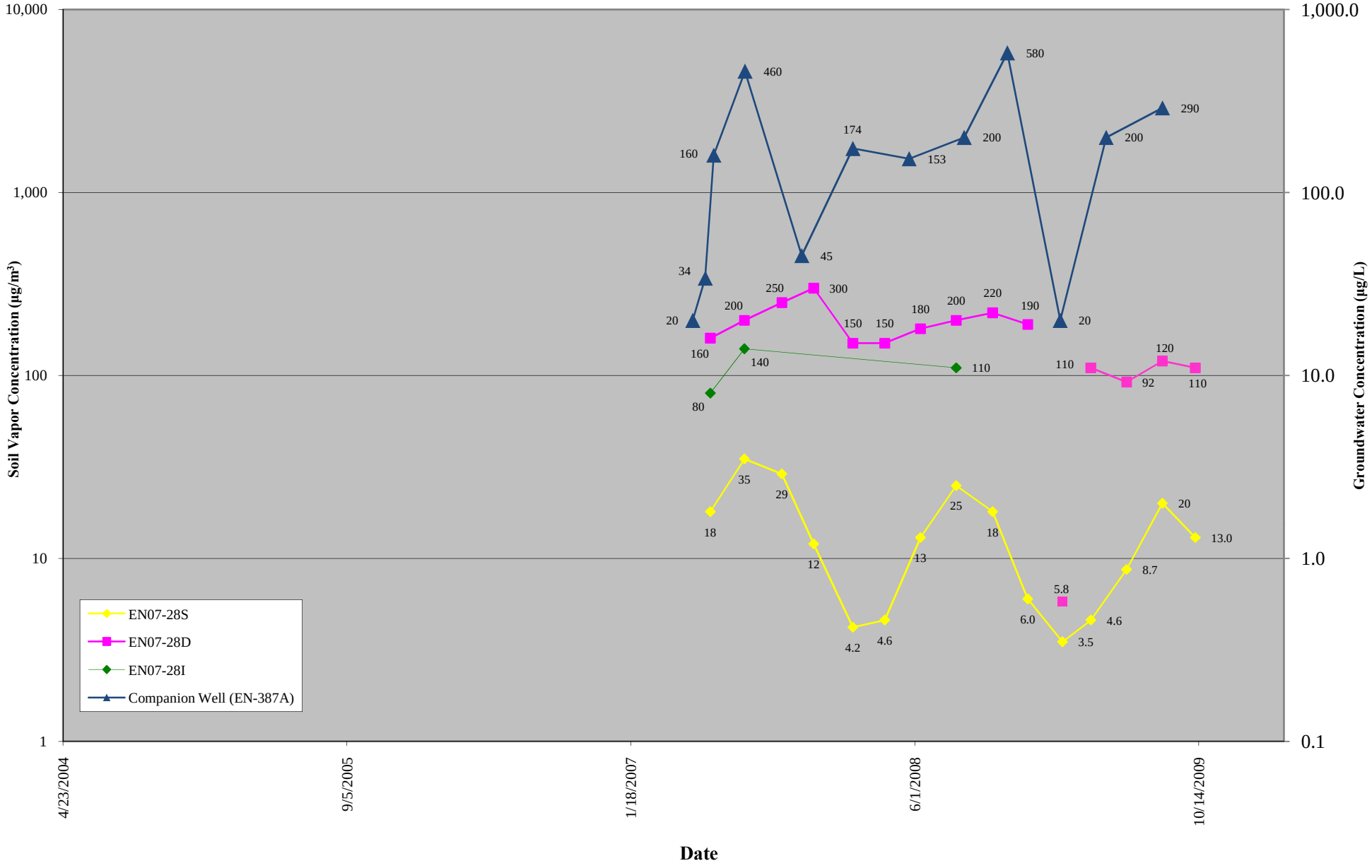
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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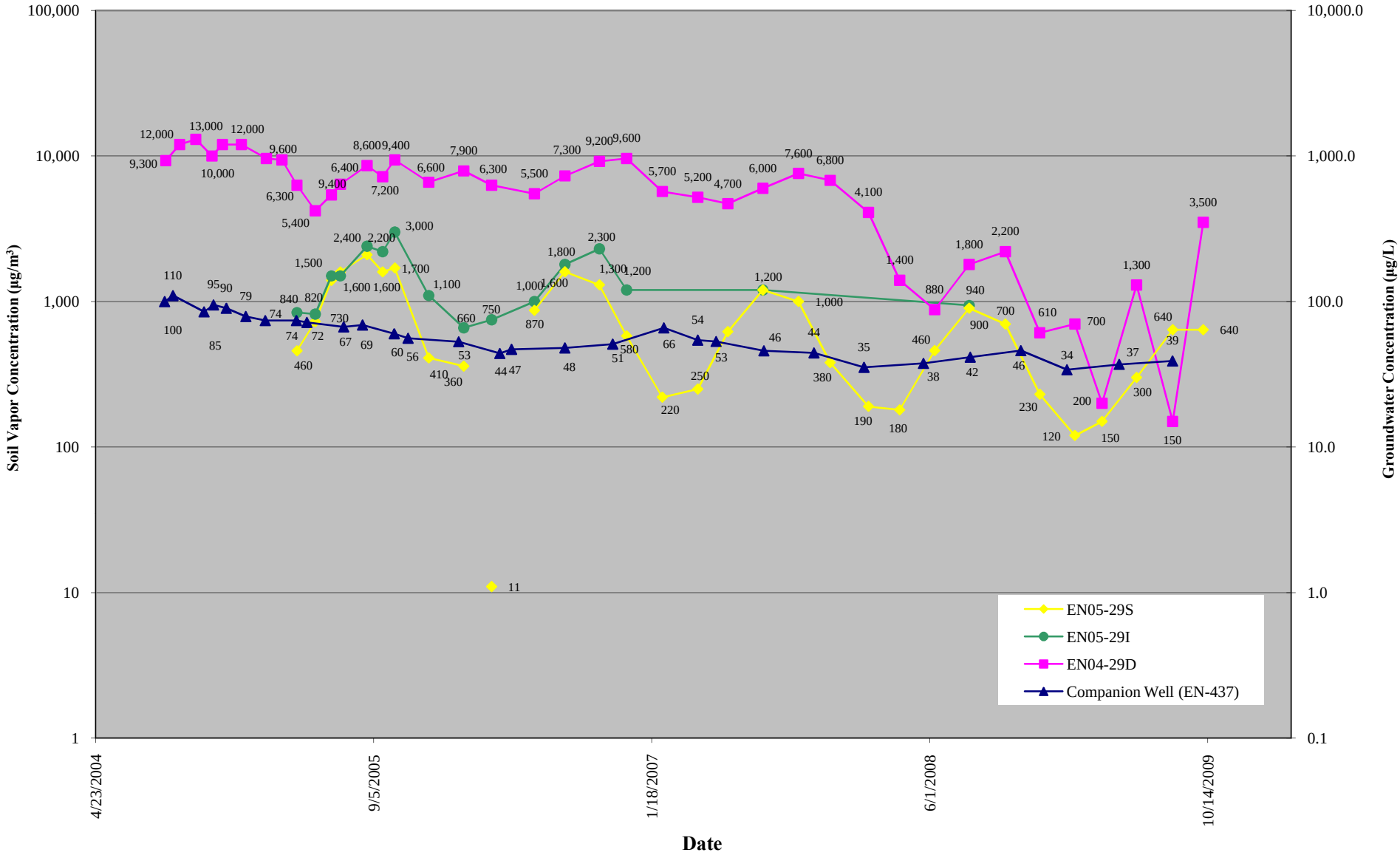
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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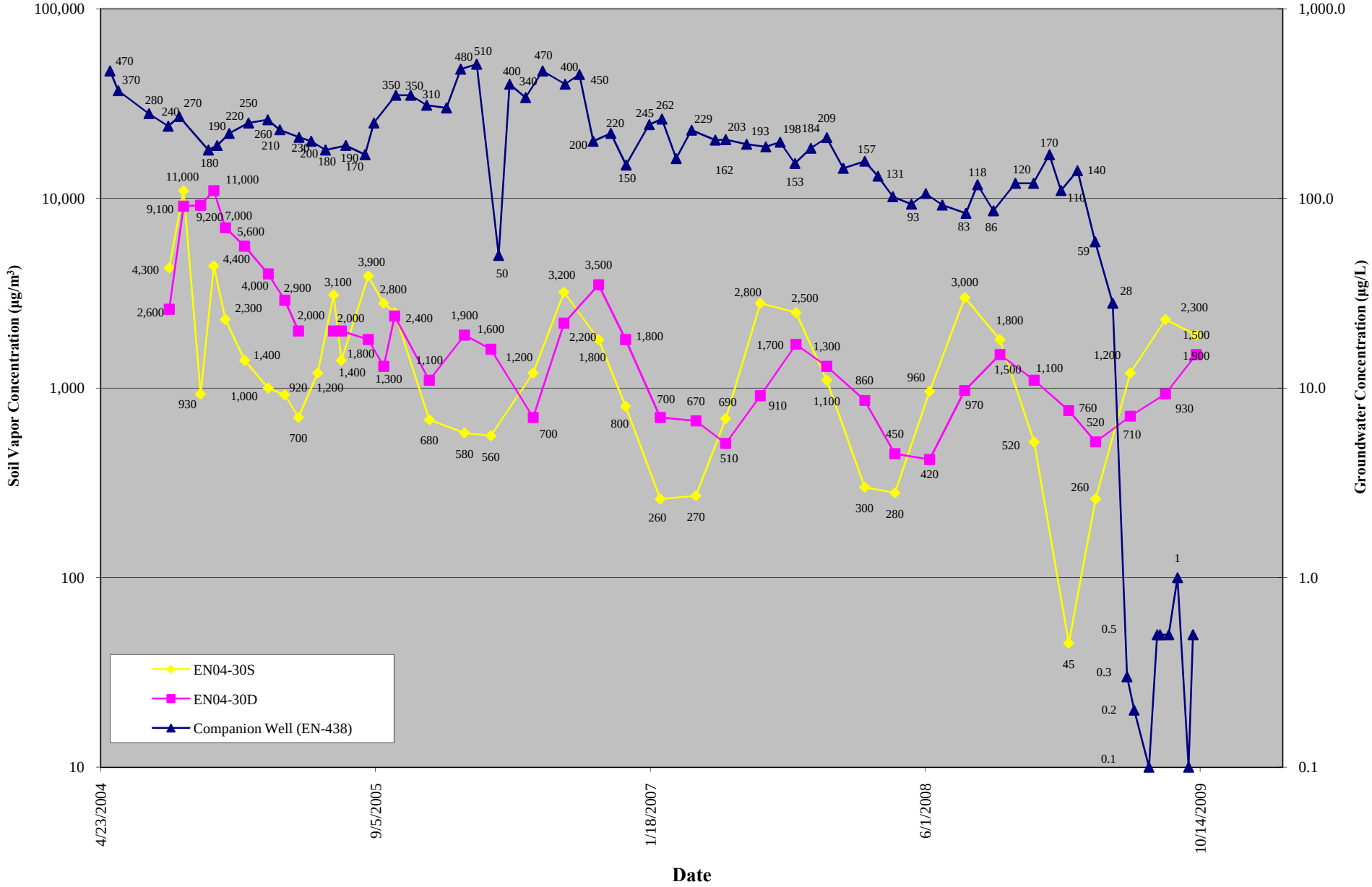
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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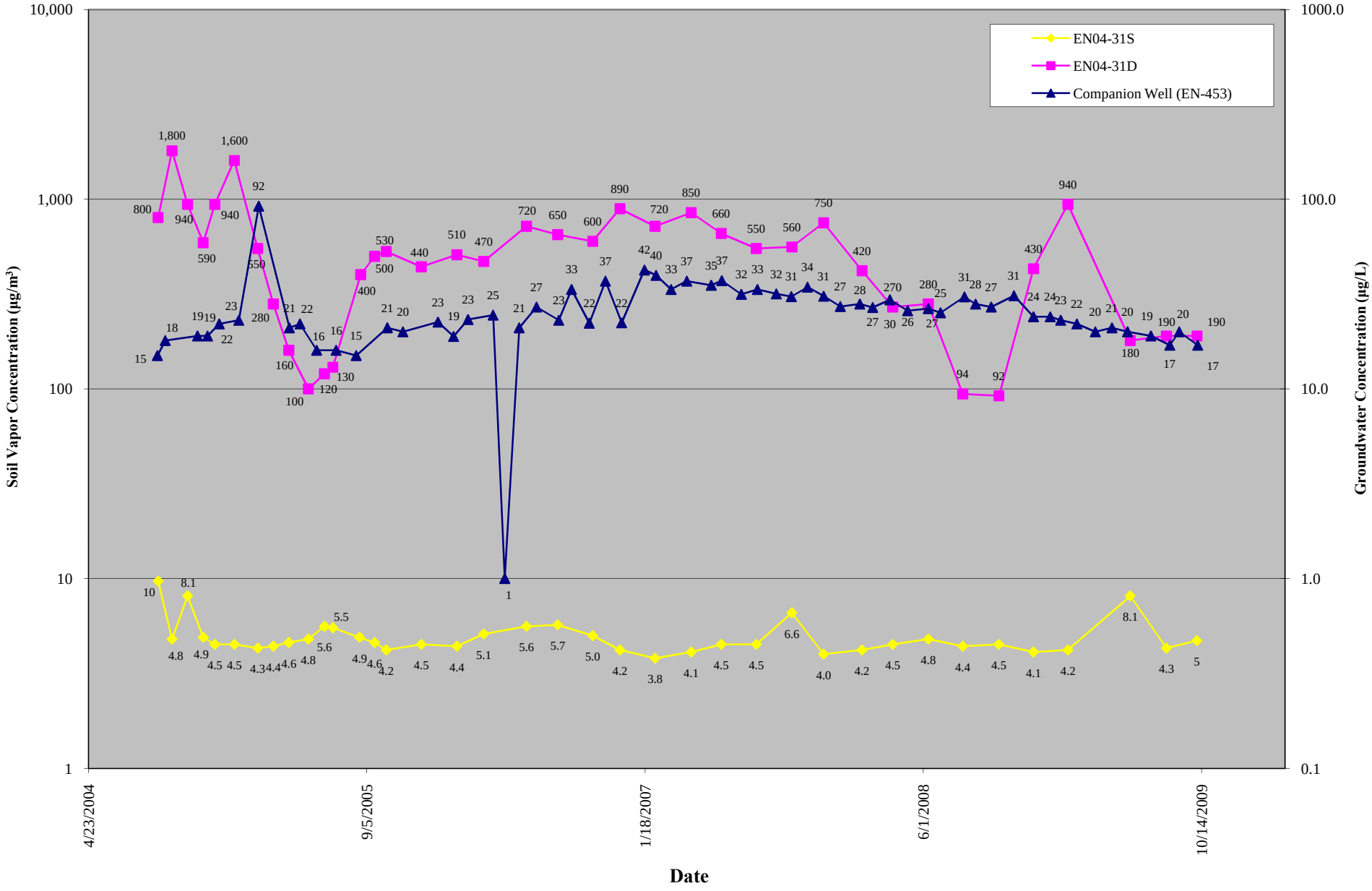
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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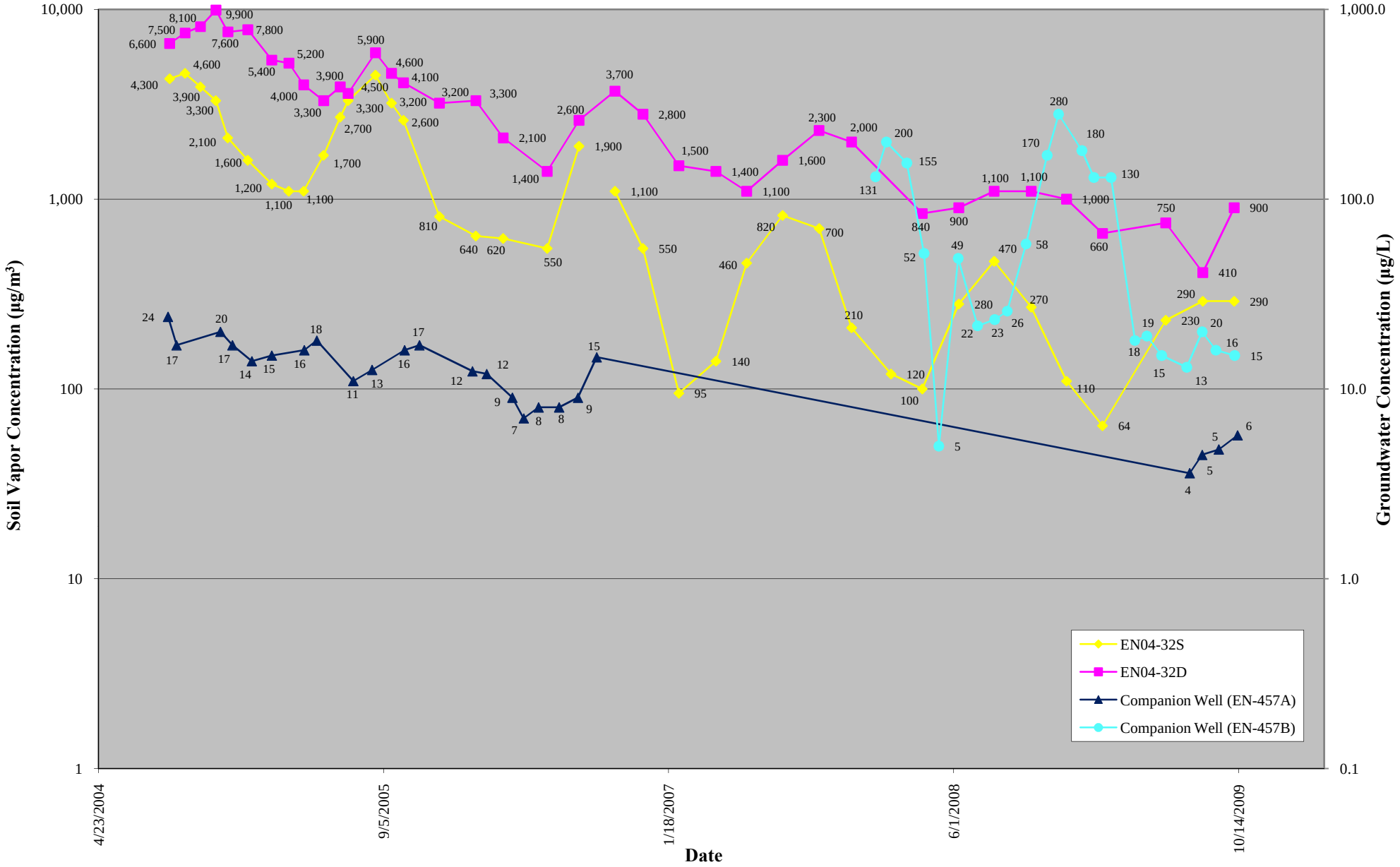
Endicott, New York



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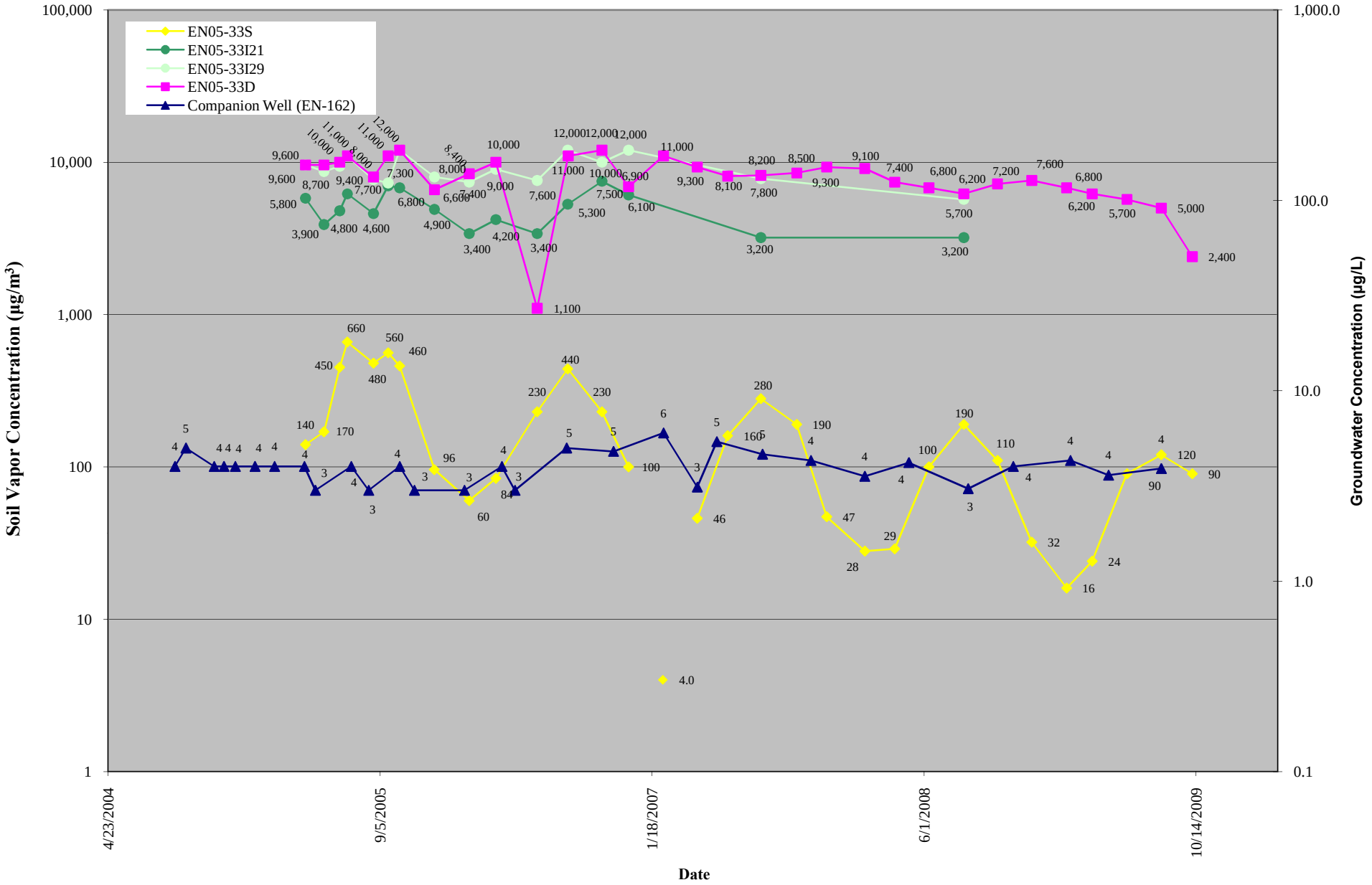
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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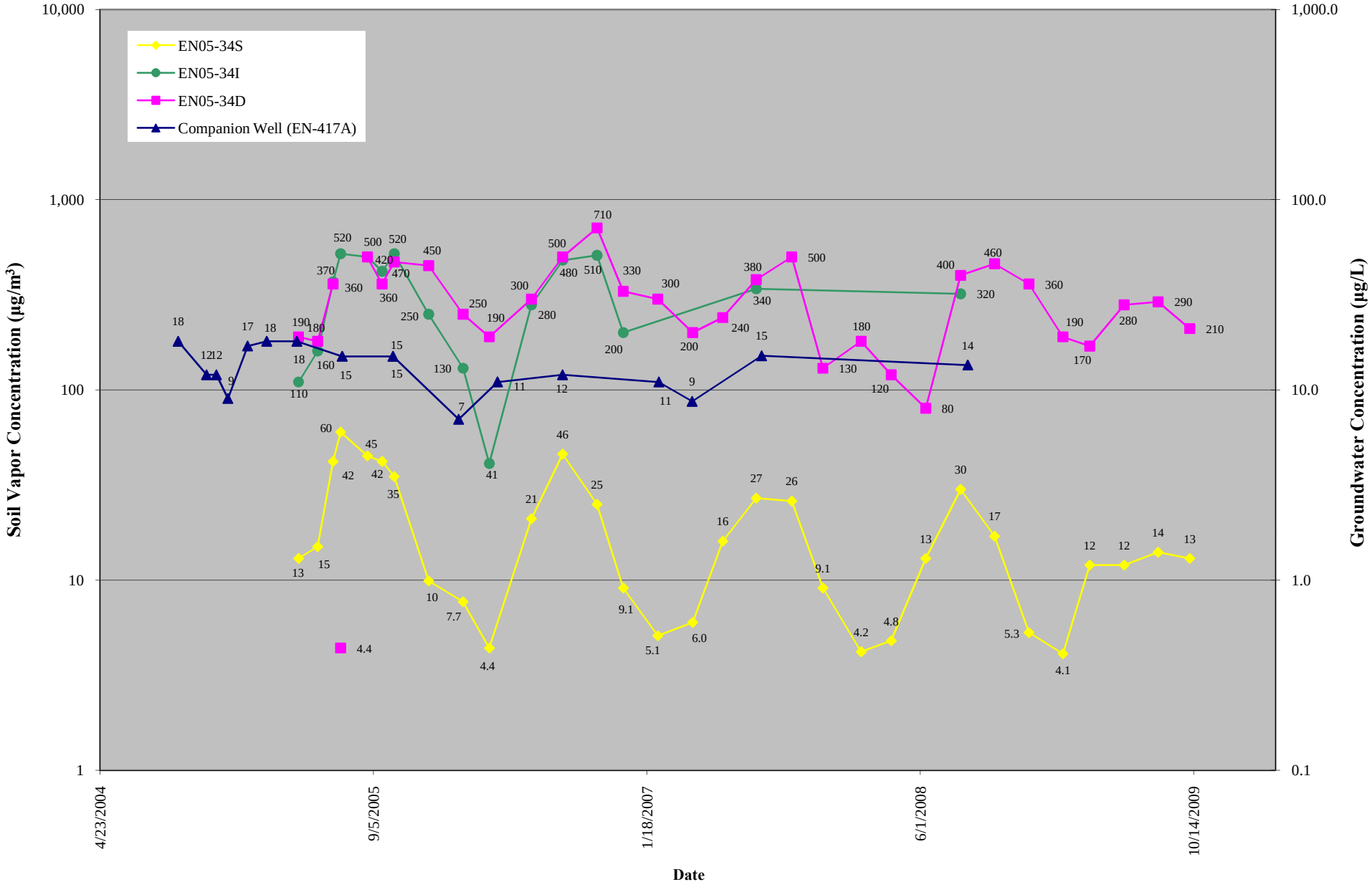
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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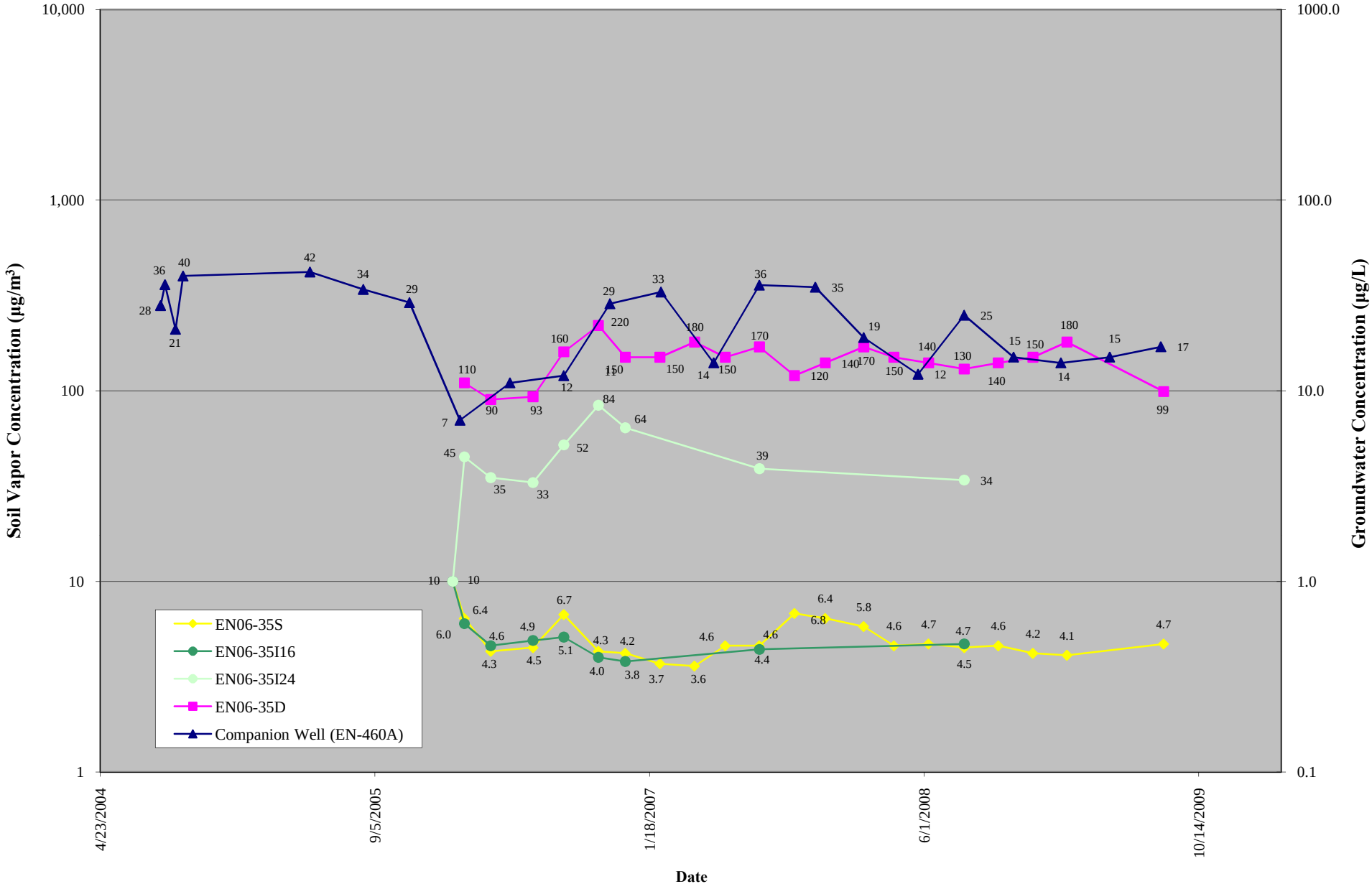
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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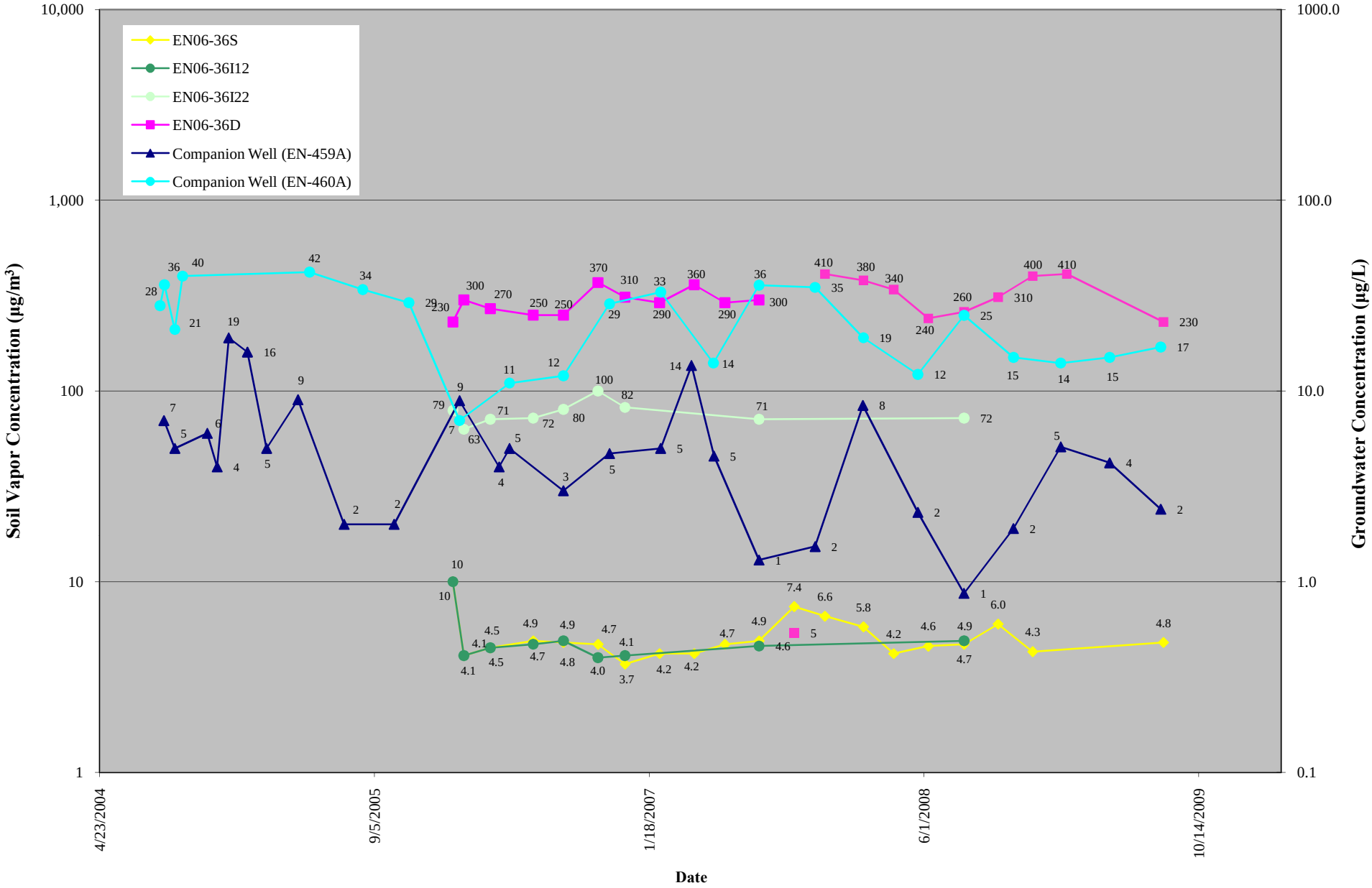
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



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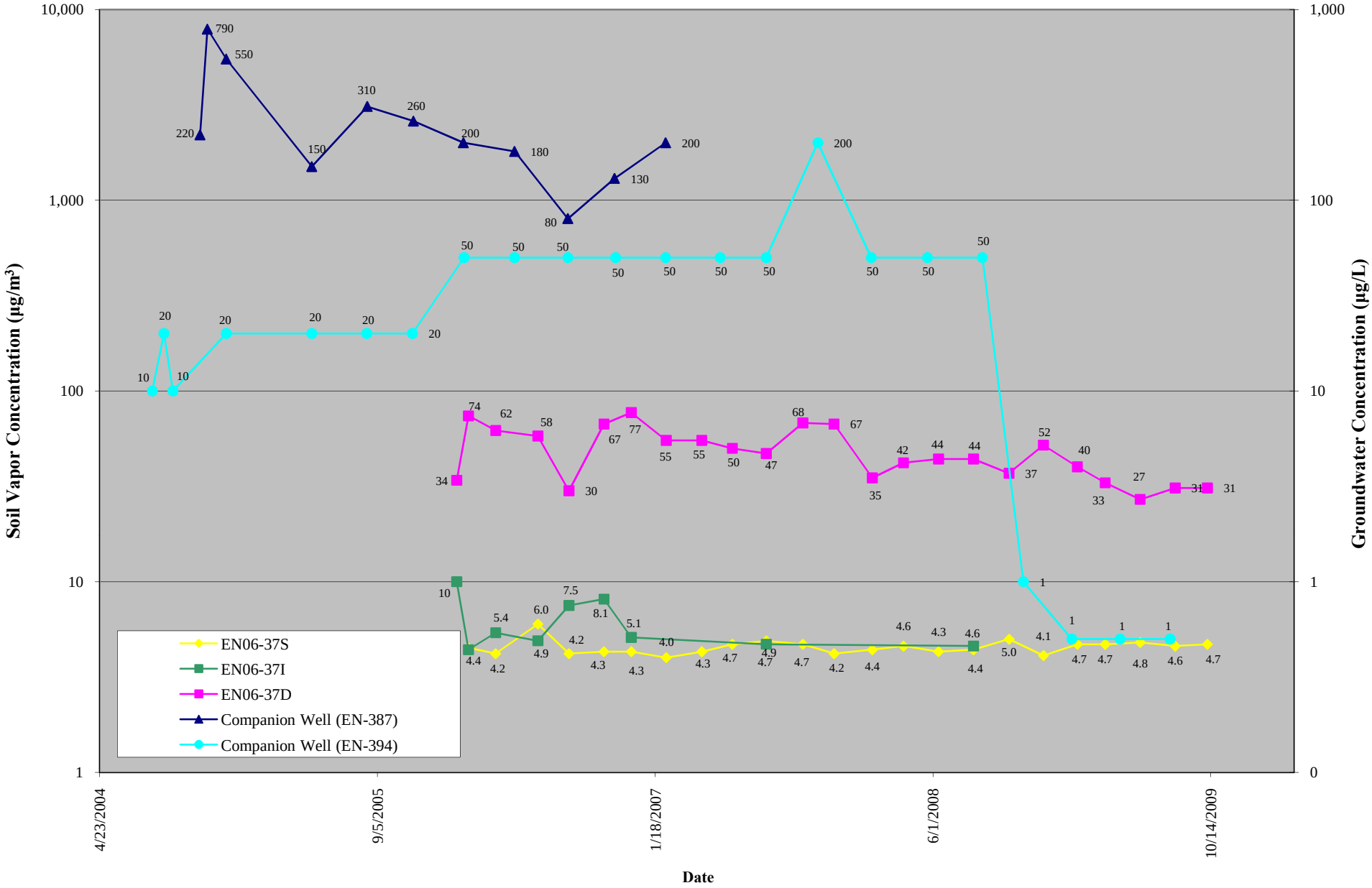
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through October 2009
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York



APPENDIX B.4

LETTER REPORT – TRANSMITTAL OF BIWEEKLY SAMPLING RESULTS - OU#4 SOIL VAPOR IMPLANTS, ENDICOTT, NEW YORK

SHA
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SANBORN, HEAD & ASSOCIATES, INC.
95 High Street ■ Portland, ME 04101
P (207) 761-9300 ■ F (207) 761-9339
www.sanbornhead.com

December 10, 2009
File No. 2755.02

Mr. Kevin Whalen
IBM Corporate Environmental Affairs
8976 Wellington road
Manassas, VA 20109

Re: Summary Bi-Weekly Sampling Results
OU#4 Soil Vapor Implants
Endicott, New York

Dear Mr. Whalen:

This letter is intended to provide a summary of data and observations derived from bi-weekly soil vapor sampling of the two soil vapor implants (EN08-39S and EN09-40S) located in the OU#4 area, currently undergoing thermal desorption remediation. A third location used during the pilot study, EN08-38S, was abandoned during the construction process. The locations of the implants in relation to the OU#4 area are shown on Figure 1. This work was conducted at IBM's request and we understand IBM may choose to transmit the data in this letter to the appropriate agencies.

Sampling of the implants was performed by SHA personnel on the dates noted in the table below, following protocols established for the Endicott Soil Vapor Monitoring program. For a detailed description of the sampling procedure, refer to SHA's soil vapor monitoring plan[1]. Samples were submitted to Air Toxics, Ltd. of Folsom, California and analyzed for the compound list used for routine soil vapor monitoring, which includes tetrachloroethene (PCE) and its breakdown products.

SUMMARY OF FINDINGS

The soil vapor results to date are summarized in Table 1. PCE concentrations since the pilot study are shown on Figure 2. The key findings include:

- The presence of chlorinated ethenes, primarily PCE, was detected in samples from both implants;

- Over an order of magnitude decrease in PCE concentration was observed in EN08-39S from February 2009, after the pilot test concluded, to September 2009, when vapor sampling was re-started for the full-scale implementation remediation activities at the site.

[1] Sanborn, Head & Associates, Inc., September 29, 2004, Soil Vapor Monitoring Plan.

- PCE has been detected at both locations in similar concentrations since full-scale remediation began;

- Analytical results over five rounds of sampling have shown over a two orders of magnitude decrease in PCE concentration since September 2009.

CLOSING

The attached soil vapor data results indicate currently decreasing levels of chlorinated ethenes at the OU#4 site. Continued monitoring will allow for the assessment of long-term trends. The data table and time series plot will be updated bi-weekly and transmitted to you. A description of continuing OU#4 sampling activities and results will be included in our Annual Soil Vapor Monitoring Reports expected June 2010. We trust that this level of reporting is acceptable to you. If this is not the case, please contact us.

Very truly yours,
SANBORN, HEAD & ASSOCIATES, INC.

Erica Bradstreet
Senior Project Geologist

Daniel B. Carr, P.E., P.G.
Principal and Vice President

EMB/DBC:emb

Encl.
Figure 1 Location Plan (1 page)
Figure 2 Time Series Plot (1 page)
Table 1 Summary of Soil Vapor Implant Analytical Results (1 page)

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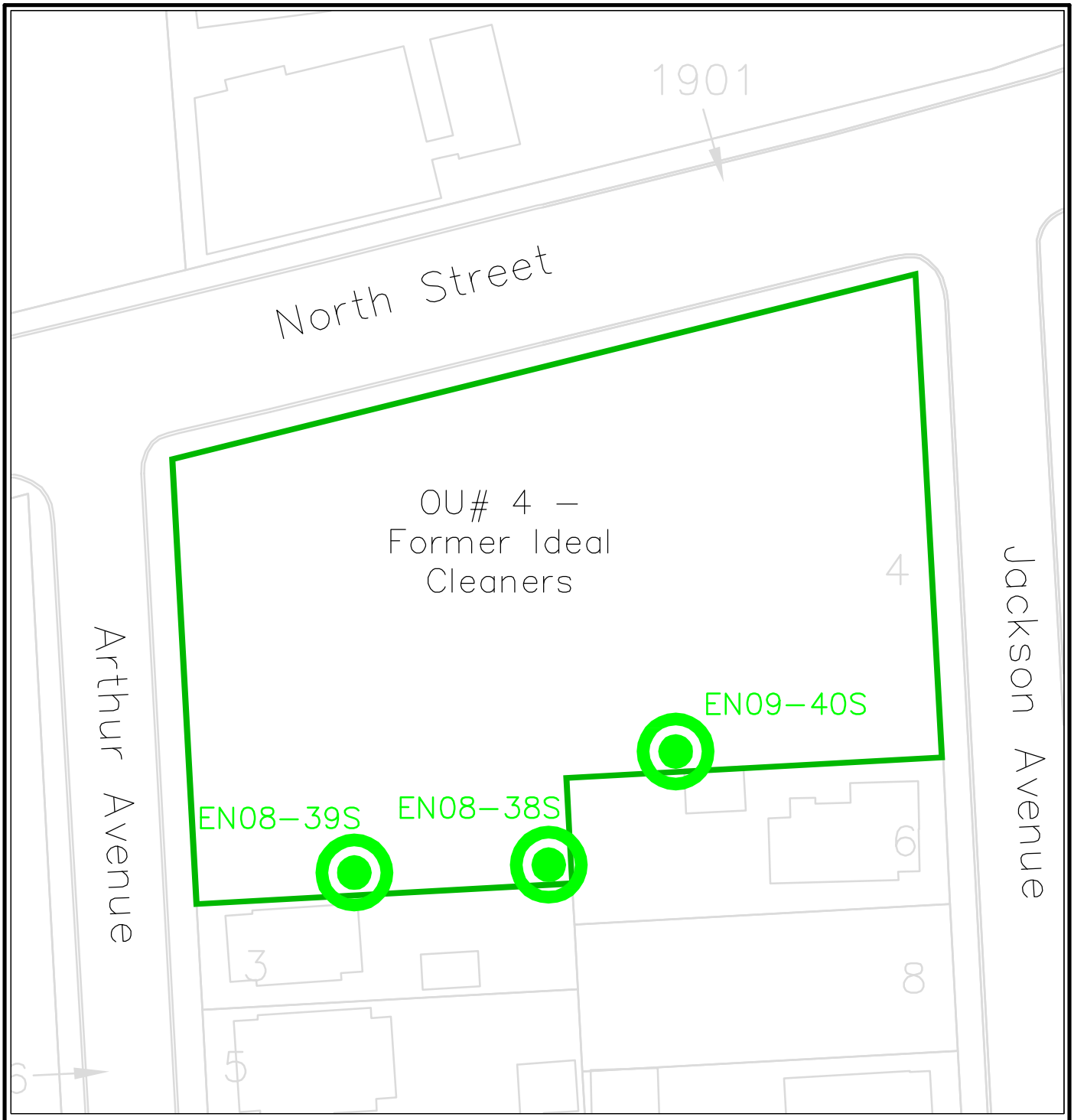

1. This figure is intended to depict soil vapor monitoring locations that have been installed in the OU#4 area. The locations of the soil vapor monitoring implants are based on taped measurements relative to physical features in the field and are accurate only to the degree implied by the method used.

2. The base map information presented below is adapted from four AutoCAD drawings entitled "Endicott2000.dwg", "Union2000.dwg", "Unioneast.dwg", and "Endicottpln.dwg". The drawings were provided by the Broome County mapping division and were received by SHA on October 10, 2002. The building outlines and other site features are based on an AutoCAD drawing entitled "9_03_base.dwg" provided by Groundwater Sciences Corporation (GSC) of Harrisburg, Pennsylvania to SHA in September 2003.

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SHA
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Drawn By: E. Bradstreet
Designed By: E. Bradstreet
Reviewed By: D. Carr
Date: November 2009

Figure 1
Soil Vapor Implant Location Plan
OU#4 – Former Ideal Cleaners
Endicott, New York

FILE: E:\PORTLAND\2755\dwg\20081117_OU#4 Location_Plan.dwg
PLOT DATE: 10-16-09

Figure 2
PCE in Soil Vapor
OU#4 Area
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

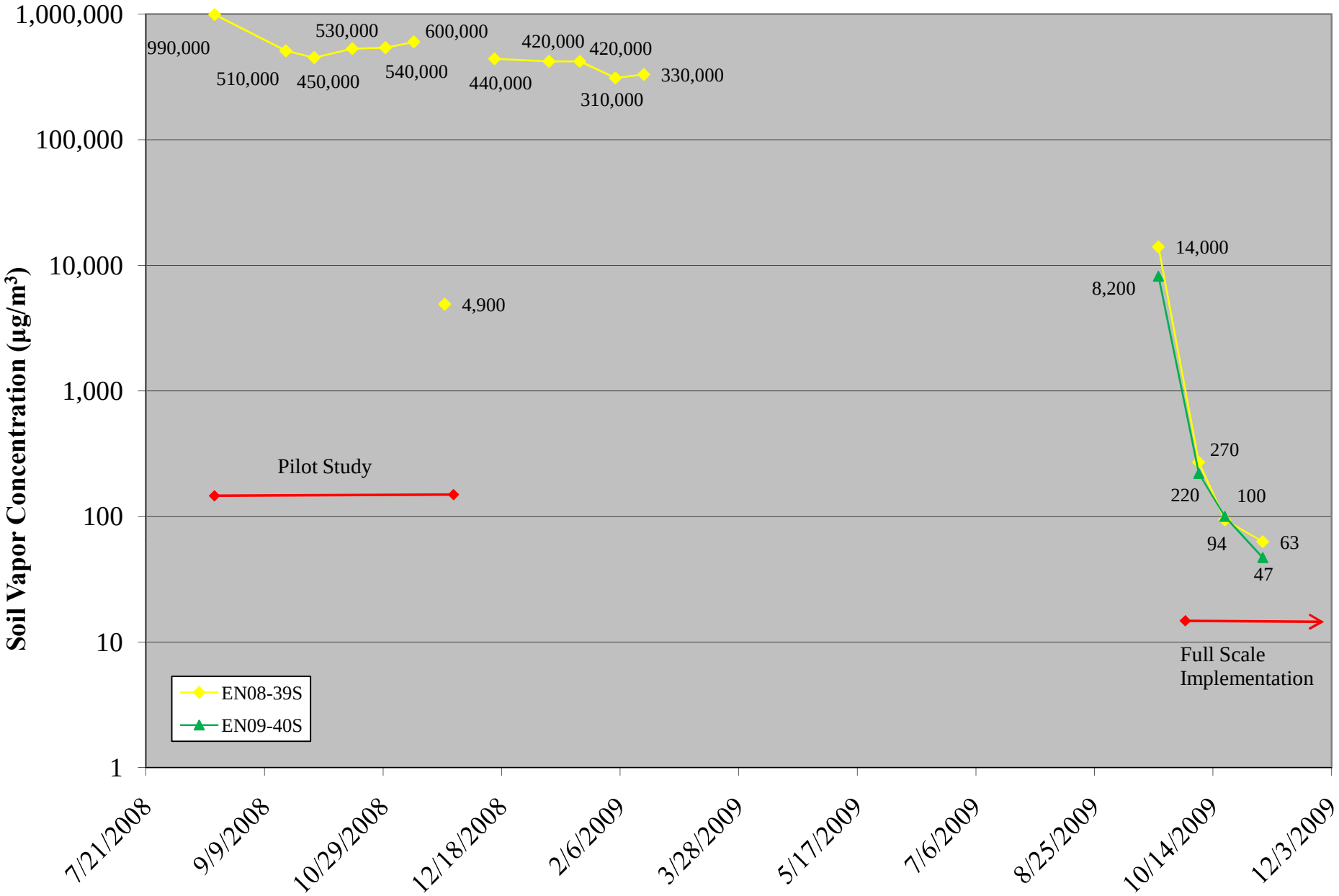

Table 1

Summary of OU#4 Soil Vapor Implant Analytical Results

Comprehensive Operations, Maintenance, and Monitoring Program

Endicott, New York

Location	Date		Type	Chlorinated Ethenes (μg/m³)						Chlorinated Ethanes (μg/m³)			Other VOCs (μg/m³)	
				Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (DCE)	cis-1,2-Dichloroethene (cDCE)	trans-1,2-Dichloroethene (tDCE)	Vinyl Chloride (VC)	1,1,1-Trichloroethane (TCA)	1,1-Dichloroethane (DCA)	Chloroethane (Cane)	Methylene Chloride (MeCl)	Freon 113
EN08-38S	Pilot Study	8/19/2008	Sample	**110**	**19**	NS	**9.7**	< 0.79 U	< 0.51 U	NS	NS	NS	NS	NS
		9/18/2008	Sample	**57**	**9.6**	< 3.2 U	**5.9**	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
		9/30/2008	Sample	**42**	**7.0**	< 3.2 U	**3.5**	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
		10/16/2008	Sample	**41**	**7.8**	< 3.2 U	**5.0**	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
			Duplicate	**41**	**7.9**	< 3.2 U	**5.0**	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
		10/30/2008	Sample	**56**	**12**	< 3.2 U	**7.4**	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 2.1 U	**3.2**	< 6.2 U
		11/11/2008	Sample	**79**	**13**	< 3.2 U	**10**	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
		11/24/2009	Sample	**63**	**11**	< 2.8 U	**8.3**	< 2.8 U	< 1.8 U	< 3.8 U	< 2.8 U	< 1.8 U	< 2.4 U	< 2.4 U
		12/15/2008	Sample	**77**	**19**	< 3.1 U	**10**	< 3.1 U	< 2.0 U	< 4.2 U	< 3.1 U	< 2.0 U	< 2.7 U	< 5.9 U
		1/7/2009	Sample	**62**	**12**	< 3.3 U	**11**	< 3.3 U	< 2.1 U	< 46 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
		1/20/2009	Sample	**88**	**19**	< 3.2 U	**20**	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
		2/4/2009	Sample	**98**	**21**	< 3.3 U	**22**	< 3.3 U	< 2.1 U	< 4.6 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
		2/16/2009	Sample	**120**	**25**	< 3.5 U	**30**	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 2.3 U	< 3.0 U	< 6.7 U
EN08-39S	Pilot Study	8/19/2008	Sample	**990,000**	**7,800**	NS	**2,200**	< 1,600 U	< 1,000 U	NS	NS	NS	NS	NS
		9/18/2008	Sample	**510,000**	**3,900**	< 1,100 U	< 1,100 U	< 1,100 U	< 690 U	< 1,500 U	< 1,100 U	< 710 U	< 930 U	< 2,000 U
		9/30/2008	Sample	**450,000**	**2,500**	< 870 U	< 870 U	< 870 U	< 560 U	< 1,200 U	< 870 U	< 580 U	< 760 U	< 1,700 U
		10/16/2008	Sample	**530,000**	**3,300**	< 1,100 U	< 1,100 U	< 1,100 U	< 690 U	< 1,500 U	< 1,100 U	< 710 U	< 930 U	< 2,000 U
		10/30/2008	Sample	**540,000**	**3,500**	< 1,600 U	< 1,600 U	< 1,600 U	< 1,000 U	< 2,200 U	< 1,600 U	< 1,100 U	< 1,400 U	< 3,100 U
		11/11/2008	Sample	**600,000**	**3,500**	< 1,300 U	< 1,300 U	< 1,300 U	< 820 U	< 1,800 U	< 1,300 U	< 850 U	< 1,100 U	< 2,500 U
		11/24/2008	Sample	**4,900**	**32**	< 15 U	< 15 U	< 15 U	< 9.5 U	< 20 U	< 15 U	< 9.8 U	< 13 U	< 28 U
		12/15/2008	Sample	**440,000**	**2,500**	< 640 U	< 640 U	< 640 U	< 410 U	< 880 U	< 650 U	< 420 U	< 560 U	< 1,200 U
		1/7/2009	Sample	**420,000**	**3,400**	< 1,400 U	< 1,400 U	< 1,400 U	< 890 U	< 1,900 U	< 1,400 U	< 920 U	< 1,200 U	< 2,700 U
		1/20/2009	Sample	**420,000**	**3,400**	< 530 U	**650**	< 530 U	< 340 U	< 730 U	< 540 U	< 350 U	< 460 U	< 1,000 U
		2/4/2009	Sample	**310,000**	**3,400**	< 650 U	< 650 U	< 650 U	< 420 U	< 890 U	< 660 U	< 430 U	< 570 U	< 1,200 U
		2/16/2009	Sample	**330,000**	**3,500**	< 810 U	< 810 U	< 810 U	< 520 U	< 1,100 U	< 830 U	< 540 U	< 710 U	< 1,600 U
			Duplicate	**310,000**	**2,900**	< 810 U	< 810 U	< 810 U	< 520 U	< 1,100 U	< 830 U	< 540 U	< 710 U	< 1,600 U
	Full Scale	9/21/2009	Sample	**14,000**	**1,400**	< 23 U	**670**	< 23 U	< 15 U	< 32 U	< 24 U	< 15 U	< 20 U	< 45 U
		10/8/2009	Sample	**270**	**22**	< 3.1 U	**7.3**	< 3.1 U	< 2.0 U	< 4.3 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
		10/19/2009	Sample	**94**	**6.8**	< 3.4 U	< 3.4 U	< 3.4 U	< 2.2 U	< 4.7 U	< 3.5 U	< 2.3 U	< 3.0 U	< 6.6 U
		11/4/2009	Sample	**63**	**5.4**	< 3.2 U	< 3.2 U	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
		11/20/2009	Sample											
EN09-40S	Full Scale	9/21/2009	Sample	**8,200**	**440**	< 24 U	**40**	< 24 U	< 16 U	< 33 U	< 25 U	< 16 U	< 21 U	< 47 U
		10/8/2009	Sample	**220**	**7.0**	< 3.0 U	< 3.0 U	< 3.0 U	< 1.9 U	< 4.1 U	< 3.1 U	< 2.0 U	**23**	< 5.8 U
		10/19/2009	Sample	**100**	**6.9**	< 3.5 U	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 2.3 U	**24**	< 6.7 U
		11/4/2009	Sample	**47**	< 4.3 U	< 3.2 U	< 3.2 U	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 2.1 U	**11**	< 6.2 U
		11/20/2009	Sample											

Notes:

1. This table is a summary of the findings of sampling soil vapor implants located in the OU#4 area in Endicott, New York. Soil Vapor monitoring is being conducted at the request of IBM on a bi-monthly basis for a sixth-month period as part of the activities at OU#4, the former Ideal Cleaners site. Soil Vapor sampling procedures are being followed in accordance with SHA's "Soil Vapor Monitoring Plan," of September 2004.

2. Soil vapor implants EN08-39S and EN09-40S were installed by TerraTherm of Fitchburg, Massachusetts in August 2008 and August 2009, respectively. We understand the sampling performed by others on August 19, 2008 was conducted following procedures provided by SHA. Samples were analyzed by Lancaster Laboratories of Lancaster, Pennsylvania. Subsequent rounds of sampling were conducted by SHA and analyzed by Air Toxics, Ltd. of Folsom, California.

3. The vapor samples were collected on the dates noted using evacuated canister sampling techniques (Summa® Canisters). The Summa® canister samples were analyzed for the project-specific list of VOCs using EPA Compendium Method TO-15 standard (full-scan) methods. The data are reported by the laboratory with the following flags: B= analyte detected in the associated laboratory method blank, J=denotes an estimated value indicating that the compound was detected, but below the limit of quantitation. U = compound was not detected at the specified limit of quantitation. Qualifiers added by SHA include NS = denotes no analysis performed for the indicated compound.

APPENDIX B.5

SUMMARY OF PLAN VIEW GRAPHICS

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APPENDIX B.5

Summary of Plan View Graphics
Annual Report - Soil Vapor Monitoring Through October 2009
Comprehensive Operations, Maintenance, and Monitoring Program
Endicott, New York

The report contains plan view graphics intended to aid in portraying soil vapor concentration trends consistent with the available data. As noted on the figures, the images were created using uniform and consistent spatial statistical algorithms and are not intended as indicators of the absolute limits of soil vapor concentrations but as basis of comparison among data sets from different times.

The soil vapor data used in the development of the figures were queried from a Microsoft Access ® database of the analytical result through October 2009. The posted values represent the computed arithmetic average of results was recorded over the noted time periods. Graphics depicting soil vapor concentrations during the "Heating Non-Season" reflects data recorded between August 1st and October 30th.

The colored shading shown on the figures was generated using ArcGIS Geostatistical Analyst, employing an inverse distance weighted interpolation scheme (IDW). Please refer to the attached reference for additional information regarding the IDW interpolation used to develop the spatial transition of shading between actual observations. For each data set, the IDW algorithm was conditioned by specifying a circular distance of 1,000 feet and a distance weighting power function of 10.

The symbology, or color coding, also remains consistent between each image with soil vapor concentrations depicted in shades of green to purple with increasing concentration. Each level of color shading reflects a half order of magnitude interval in micrograms per cubic meter $\mu g/m^{3.}$ The major color divisions between grey, and shades of green, blue, and purple highlight concentration milestones of <5 $\mu g/m^3$, 100 $\mu g/m^3$, and 10,000 $\mu g/m^3$. A mask was used to display shading within the ventilation limits or within the limits of soil vapor implant locations.
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Geostatistical Analyst

How Inverse Distance Weighted (IDW) interpolation works

related topics

IDW interpolation explicitly implements the assumption that things that are close to one another are more alike than those that are farther apart. To predict a value for any unmeasured location, IDW will use the measured values surrounding the prediction location. Those measured values closest to the prediction location will have more influence on the predicted value than those farther away. Thus, IDW assumes that each measured point has a local influence that diminishes with distance. It weights the points closer to the prediction location greater than those farther away, hence the name inverse distance weighted.

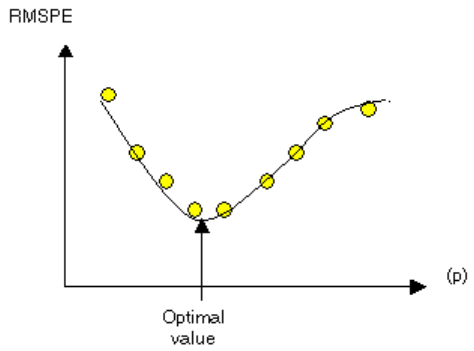
See *Using ArcGIS Geostatistical Analyst* for formula and additional information.

Learn more about the interpolation techniques available in ArcGIS Geostatistical Analyst

The Power function

The optimal power (p) value is determined by minimizing the root mean square prediction error (RMSPE). The RMSPE is the statistic that is calculated from cross-validation. In cross-validation, each measured point is removed and compared to the predicted value for that location. The RMSPE is a summary statistic quantifying the error of the prediction surface. Geostatistical Analyst tries several different powers for IDW to identify the power that produces the minimum RMSPE. The diagram below shows how Geostatistical Analyst calculates the optimal power. The RMSPE is plotted for several different powers for the same dataset. A curve is fit to the points (a quadratic Local Polynomial equation), and from the curve the power that provides the smallest RMSPE is determined as the optimal power.

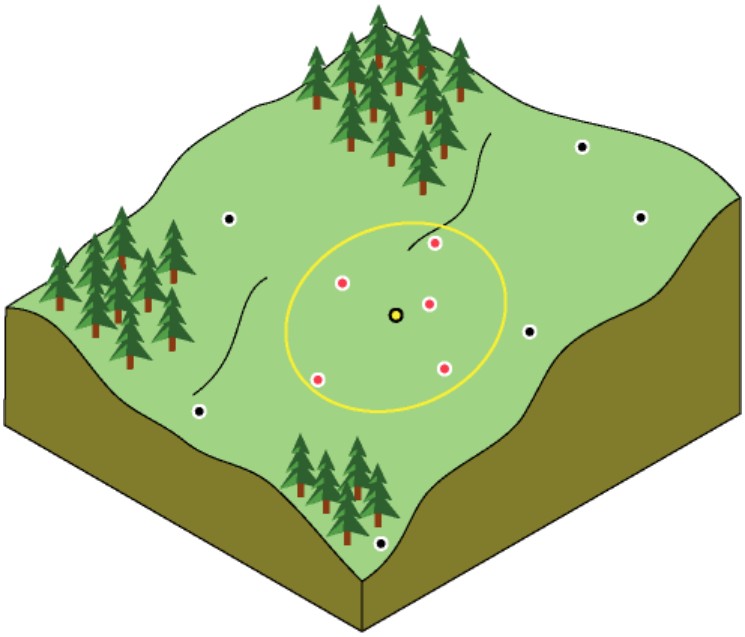
Weights are proportional to the inverse distance raised to the power value *p*. As a result, as the distance increases, the weights decrease rapidly. How fast the weights decrease is dependent on the value for *p*. If $p = 0$, there is no decrease with distance, and because each weight λ_i will be the same, the prediction will be the mean of all the measured values. As *p* increases, the weights for distant points decrease rapidly. If the *p* value is very high, only the immediate few surrounding points will influence the prediction.



Geostatistical Analyst uses power functions greater than 1. A $p = 2$ is known as the inverse distance squared weighted interpolation.

The search neighborhood

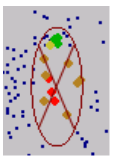
Because things that are close to one another are more alike than those farther away, as the locations get farther away, the measured values will have little relationship with the value of the prediction location. To speed calculations you can discount to zero the more distant points with little influence. As a result, it is common practice to limit the number of measured values that are used when predicting the unknown value for a location by specifying a search neighborhood. The specified shape of the neighborhood restricts how far and where to look for the measured values to be used in the prediction. Other neighborhood parameters restrict the locations that will be used within that shape. In the following image, five measured points (neighbors) will be used when predicting a value for the location without a measurement, the yellow point.



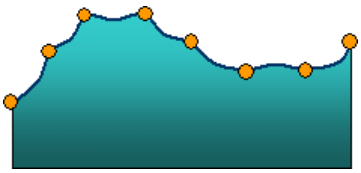
The shape of the neighborhood is influenced by the input data and the surface you are trying to create. If there are no directional influences on the weighting of your data, you'll want to consider points equally in all directions. To do so, you'll probably want the shape of your neighborhood to be a circle. However, if there is a directional influence on your data, such as a prevailing wind, you may want to adjust for it by changing the shape of your neighborhood to an ellipse with the major axis parallel with the wind. The adjustment for this directional influence is justified because you know that locations upwind from a prediction location are going to be more similar at remote distances than locations that are perpendicular to the wind.

Once a neighborhood shape is specified, you can restrict which locations within the shape should be used. You can define the maximum and minimum number of locations to use, and you can divide the neighborhood into sectors. If you divide the neighborhood into sectors, the maximum and minimum constraints will be applied to each sector. There are several different sectors that can be used and are displayed below.

The points highlighted in the data view of the Searching Neighborhood dialog box identify the locations and the weights that will be used for predicting a location at the center of the ellipse. The neighborhood is contained within the displayed ellipse. In the following example, two points (red) in the sector to the west and one point in the southern sector will be weighted more than 10 percent. In the northern sector, one point (yellow) will be weighted between 3 percent and 5 percent.



When to use IDW



The surface calculated using IDW depends on the selection of a power value (p) and the neighborhood search strategy. IDW is an exact interpolator, where the maximum and minimum values (see diagram above) in the interpolated surface can only occur at sample points. The output surface is sensitive to clustering and the presence of outliers. IDW assumes that the surface is being driven by the local variation, which can be captured through the neighborhood.

APPENDIX C

COMPACT DISC OF DATA
AND DATA USABILITY ASSESSMENT

SHA
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APPENDIX C.1

TABLE C.1 – SUMMARY OF ANALYTICAL LABORATORY DATA JUNE 2009 THROUGH OCTOBER 2009

SHA
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Table C.1
Summary of Analytical Laboratory Data - Soil Vapor
Semiannual Report - Soil Vapor Monitoring
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	Chloroethane	Methylene Chloride	Freon 113
Designation **EN04-1**	EN04-1S	8	13-Oct-08	EN041S101308	Summa Canister	20.0	0.6	0.0	1.68	N	N	µg/m3	< 5.7 U	**22**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
Monitoring Well **EN-094**	EN04-1S	8	15-Dec-08	EN041S121508	Summa Canister	20.7	0.1	0.0	1.68	N	N	µg/m3	< 5.7 U	**6.9**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-1S	8	8-Jun-09	EN041S060809	Summa Canister	18.2	0.3	0.0	3.08	N	N	µg/m3	< 10 U	< 8.3 U	< 6.1 U	< 6.1 U	< 3.9 U	< 8.4 U	< 6.1 U	< 6.2 U	< 4.1 U	< 5.4 U	< 12 U
	EN04-1S	8	11-Aug-09	EN041S081109	Summa Canister	19.6	0.4	0.0	1.76	N	N	µg/m3	< 6 U	**10**	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.6 U	< 2.3 U	< 3 U	< 6.7 U
	EN04-1S	8	7-Oct-09	EN041S100709	Summa Canister	20.2	0.5	0.0	1.75	N	N	µg/m3	< 5.9 U	**13**	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN04-1D	23	13-Oct-08	EN041D101308	Summa Canister	19.7	0.7	0.0	1.75	N	N	µg/m3	< 5.9 U	**210**	< 3.5 U	< 3.5 U	< 2.2 U	**35**	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN04-1D	23	15-Dec-08	EN041D121508	Summa Canister	20.7	0.5	0.0	1.61	N	N	µg/m3	< 5.5 U	**210**	< 3.2 U	< 3.2 U	< 2.0 U	**28**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-1D	23	17-Feb-09	EN041D021709	Summa Canister	21	0.3	0.0	1.62	N	N	µg/m3	< 5.5 U	**140**	< 3.2 U	< 3.2 U	< 2.1 U	**14**	< 3.2 U	< 3.3 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-1D	23	8-Jun-09	EN041D060809	Summa Canister	18.4	0.2	0.0	2.03	N	N	µg/m3	< 6.9 U	**100**	< 4 U	< 4 U	< 2.6 U	**17**	< 4 U	< 4.1 U	< 2.7 U	< 3.5 U	< 7.8 U
	EN04-1D	23	11-Aug-09	EN041D081109	Summa Canister	19.5	0.3	0.0	1.75	N	N	µg/m3	**30**	**110**	< 3.5 U	< 3.5 U	< 2.2 U	**17**	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN04-1D	23	7-Oct-09	EN041D100709	Summa Canister	20.2	0.4	0.0	1.68	N	N	µg/m3	**16**	**200**	< 3.3 U	< 3.3 U	< 2.1 U	**27**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
Designation **EN04-2**	EN04-2S	8	16-Oct-08	EN042S101608	Summa Canister	20.0	0.0	0.0	1.75	N	N	µg/m3	< 5.9 U	< 4.7 U	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
Monitoring Well **EN-450**	EN04-2S	8	16-Dec-08	EN042S121608	Summa Canister	19.7	0.1	0.0	1.52	N	N	µg/m3	< 5.2 U	< 4.1 U	< 3.0 U	< 3.0 U	< 1.9 U	< 4.1 U	< 3.0 U	< 3.1 U	< 2.0 U	< 2.6 U	< 5.8 U
	EN04-2S	8	7-Apr-09	EN042S040709	Summa Canister	21.3	0.3	0.0	1.52	N	N	µg/m3	< 5.2 U	< 4.1 U	< 3.0 U	< 3.0 U	< 1.9 U	< 4.1 U	< 3.0 U	< 3.1 U	< 2.0 U	< 2.6 U	< 5.8 U
	EN04-2S Dup	8	7-Apr-09	DU1035040709	Summa Canister	21.3	0.3	0.0	1.58	N	N	µg/m3	< 5.4 U	< 4.2 U	< 3.1 U	< 3.1 U	< 2.0 U	< 4.3 U	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-2S	8	9-Jun-09	EN042S060909	Summa Canister	20.1	0.3	0.0	1.58	N	N	µg/m3	< 5.4 U	< 4.2 U	< 3.1 U	< 3.1 U	< 2.0 U	< 4.3 U	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-2S	8	12-Aug-09	EN042S081209	Summa Canister	19.6	0.3	0.0	1.64	N	N	µg/m3	< 5.6 U	**13**	< 3.2 U	< 3.2 U	< 2.1 U	< 4.5 U	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.3 U
	EN04-2S	8	7-Oct-09	EN042S100709	Summa Canister	20.4	0.3	0.0	1.75	N	N	µg/m3	**8.7**	**8.1**	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN04-2D	20	16-Oct-08	EN042D101608	Summa Canister	20.9	0.4	0.0	1.75	N	N	µg/m3	**26**	**160**	< 3.5 U	< 3.5 U	< 2.2 U	**12**	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN04-2D	20	16-Dec-08	EN042D121608	Summa Canister	19.6	0.5	0.0	1.55	N	N	µg/m3	**35**	**190**	< 3.1 U	< 3.1 U	< 2.0 U	**12**	< 3.1 U	< 3.1 U	< 2.0 U	< 2.7 U	< 5.9 U
	EN04-2D	20	16-Feb-09	EN042D021609	Summa Canister	19.5	0.1	0.2	1.66	N	N	µg/m3	**29**	**140**	< 3.3 U	< 3.3 U	< 2.1 U	**11**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-2D	20	7-Apr-09	EN042D040709	Summa Canister	21.5	0.3	0.0	1.61	N	N	µg/m3	**16**	**99**	< 3.2 U	< 3.2 U	< 2.0 U	**9**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-2D	20	9-Jun-09	EN042D060909	Summa Canister	20.0	0.2	0.0	1.61	N	N	µg/m3	**79**	**120**	< 3.2 U	< 3.2 U	< 2.0 U	**9.3**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-2D	20	12-Aug-09	EN042D081209	Summa Canister	19.8	0.3	0.0	1.61	N	N	µg/m3	**27**	**140**	< 3.2 U	< 3.2 U	< 2.0 U	**18**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-2D	20	7-Oct-09	EN042D100709	Summa Canister	20.2	0.5	0.0	1.61	N	N	µg/m3	**25**	**150**	< 3.2 U	< 3.2 U	< 2.0 U	**20**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U

Table C.1
Summary of Analytical Laboratory Data - Soil Vapor
Semiannual Report - Soil Vapor Monitoring
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene		Trichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene		Vinyl Chloride		1,1,1-Trichloroethane		1,1-Dichloroethene		1,1-Dichloroethane		Chloroethane		Methylene Chloride		Freon 113	
Designation **EN04-3**	EN04-3S	8	15-Oct-08	EN043S101508	Summa Canister	20.1	0.2	0.0	1.68	N	N	µg/m3	<	5.7	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
Monitoring Well **EN-203**	EN04-3S	8	16-Dec-08	EN043S121608	Summa Canister	20.6	0.1	0.0	1.44	N	N	µg/m3	<	4.9	U	<	3.9	U	<	2.8	U	<	2.8	U	<	1.8	U	<	3.9	U	<	2.8	U	<	2.9	U	<	1.9	U	<	2.5	U	<	5.5	U
	EN04-3S	8	17-Feb-09	EN043S021709	Summa Canister	21.1	0.1	0.0	1.65	N	N	µg/m3	<	5.6	U	<	4.4	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.2	U	<	2.9	U	<	6.3	U
	EN04-3S	8	8-Jun-09	EN043S060809	Summa Canister	18.8	0.1	0.0	2.58	N	N	µg/m3	<	8.8	U	<	6.9	U	<	5.1	U	<	5.1	U	<	3.3	U	<	7	U	<	5.1	U	<	5.2	U	<	3.4	U	<	4.5	U	<	9.9	U
	EN04-3S	8	12-Aug-09	EN043S081209	Summa Canister	19.9	0.2	0.0	8.4	N	N	µg/m3	<	5.7	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-3S	8	6-Oct-09	EN043S100609	Summa Canister	20.9	0.1	0.0	1.75	N	N	µg/m3	<	5.9	U	<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	3	U	<	6.7	U
	EN04-3D	19	15-Oct-08	EN043D101508	Summa Canister	19.8	0.6	0.0	1.79	N	N	µg/m3	<	6.1	U		**22**		<	3.5	U	<	3.5	U	<	2.3	U	<	4.9	U	<	3.5	U	<	3.6	U	<	2.4	U	<	3.1	U	<	6.8	U
	EN04-3D	19	16-Dec-08	EN043D121608	Summa Canister	20.6	0.5	0.0	1.49	N	N	µg/m3	<	5	U		**23**		<	3.0	U	<	3.0	U	<	1.9	U	<	4.1	U	<	3.0	U	<	3.0	U	<	2.0	U	<	2.6	U	<	5.7	U
	EN04-3D	19	17-Feb-09	EN043D021709	Summa Canister	20.9	0.2	0.0	1.36	N	N	µg/m3	<	4.6	U		**12**		<	2.7	U	<	2.7	U	<	1.7	U	<	3.7	U	<	2.7	U	<	2.8	U	<	1.8	U	<	2.4	U	<	5.2	U
	EN04-3D	19	8-Jun-09	EN043D060809	Summa Canister	18.9	0.1	0.0	2.31	N	N	µg/m3	<	7.8	U		**11**		<	4.6	U	<	4.6	U	<	3	U	<	6.3	U	<	4.6	U	<	4.7	U	<	3	U		**5.2**		<	8.8	U
	EN04-3D	19	12-Aug-09	EN043D081209	Summa Canister	19.9	0.1	0.0	8.4	N	N	µg/m3	<	5.7	U		**14**		<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-3D	19	6-Oct-09	EN043D100609	Summa Canister	20.3	0.5	0.0	1.64	N	N	µg/m3	<	5.6	U		**22**		<	3.2	U	<	3.2	U	<	2.1	U	<	4.5	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.3	U
	EN04-3D Dup	19	6-Oct-09	DU6599100609	Summa Canister	20.3	0.5	0.0	1.61	N	N	µg/m3	<	5.5	U		**24**		<	3.2	U	<	3.2	U	<	2	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
Designation **EN04-4**	EN04-4S	8	15-Oct-08	EN044S101508	Summa Canister	18.7	1.7	0.0	1.52	N	N	µg/m3	<	5.2	U	<	4.1	U	<	3	U	<	3	U	<	1.9	U	<	4.1	U	<	3	U	<	3.1	U	<	2	U		**3**		<	5.8	U
Monitoring Well **EN-022**	EN04-4S	8	16-Dec-08	EN044S121608	Summa Canister	20.3	0.9	0.0	1.58	N	N	µg/m3	<	5.4	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	4.3	U	<	3.1	U	<	3.2	U	<	2.1	U	<	2.7	U	<	6.0	U
	EN04-4S Dup	8	16-Dec-08	DU3368121608	Summa Canister	20.3	0.9	0.0	1.55	N	N	µg/m3	<	5.2	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	2.7	U	<	5.9	U
	EN04-4S	8	17-Feb-09	EN044S021709	Summa Canister	20.4	0.5	0.0	1.57	N	N	µg/m3	<	5.3	U		**14**		<	3.1	U	<	3.1	U	<	2.0	U	<	4.3	U	<	3.1	U	<	3.2	U	<	2.1	U	<	2.7	U	<	6.0	U
	EN04-4S	8	12-Aug-09	EN044S081209	Summa Canister	18.0	2.0	0.0	8.2	N	N	µg/m3		**15**		<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	4.5	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.3	U
	EN04-4D	17	15-Oct-08	EN044D101508	Summa Canister	19.5	1.2	0.0	1.52	N	N	µg/m3	<	5.2	U	<	4.1	U	<	3	U	<	3	U	<	1.9	U	<	4.1	U	<	3	U	<	3.1	U	<	2	U	<	2.6	U	<	5.8	U
	EN04-4D Dup	17	15-Oct-08	DU3302101508	Summa Canister	19.5	1.2	0.0	1.52	N	N	µg/m3	<	5.2	U	<	4.1	U	<	3	U	<	3	U	<	1.9	U	<	4.1	U	<	3	U	<	3.1	U	<	2	U	<	2.6	U	<	5.8	U
	EN04-4D	17	16-Dec-08	EN044D121608	Summa Canister	19.9	1.7	0.0	1.52	N	N	µg/m3	<	5.2	U	<	4.1	U	<	3.0	U	<	3.0	U	<	1.9	U	<	4.1	U	<	3.0	U	<	3.1	U	<	2.0	U	<	2.6	U	<	5.8	U
	EN04-4D	17	17-Feb-09	EN044D021709	Summa Canister	20.2	0.9	0.0	1.63	N	N	µg/m3	<	5.5	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	4.4	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.2	U
	EN04-4D	17	12-Aug-09	EN044D081209	Summa Canister	18.3	1.5	0.0	1.64	N	N	µg/m3	<	5.6	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	4.5	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.3	U
Designation **EN04-5**	EN04-5S	8	14-Oct-08	EN045S101408	Summa Canister	19.3	1.9	0.0	3.22	N	N	µg/m3		11	UJ		240	J		6.4	UJ		6.4	UJ		4.1	UJ		14	J		6.4	UJ		6.5	UJ		4.2	UJ		5.6	UJ		12	UJ
Monitoring Well **EN-459**	EN04-5S	8	16-Dec-08	EN045S121608	Summa Canister	20.4	1.4	0.0	1.61	N	N	µg/m3	<	5.5	U		**110**		<	3.2	U	<	3.2	U	<	2.0	U		**8.7**		<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN04-5S	8	16-Feb-09	EN045S021609	Summa Canister	19.1	0.8	0.1	1.68	N	N	µg/m3	<	5.7	U		**71**		<	3.3	U	<	3.3	U	<	2.1	U		**7.3**		<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-5S	8	11-Aug-09	EN045S081109	Summa Canister	18.0	2.1	0.0	1.65	N	N	µg/m3		**11**			**290**		<	3.3	U	<	3.3	U	<	2.1	U		**15**		<	3.3	U	<	3.3	U	<	2.2	U	<	2.9	U	<	6.3	U
	EN04-5D	34	14-Oct-08	EN045D101408	Summa Canister	19.3	1.4	0.0	3.22	N	N	µg/m3	<	11	U		**3,000**			**11**		<	6.4	U	<	4.1	U		**130**		<	6.4	U	<	6.5	U	<	4.2	U	<	5.6	U	<	12	U
	EN04-5D	34	16-Dec-08	EN045D121608	Summa Canister	19.9	1.8	0.0	3.16	N	N	µg/m3	<	11	U		**3,000**		<	6.3	U	<	6.3	U	<	4.0	U		**120**		<	6.3	U	<	6.4	U	<	4.2	U	<	5.5	U	<	12	U
	EN04-5D	34	16-Feb-09	EN045D021609	Summa Canister	18.5	1.4	0.0	6.52	N	N	µg/m3	<	22	U		**3,000**		<	13	U	<	13	U	<	8.3	U		**140**		<	13	U	<	13	U	<	8.6	U	<	11	U	<	25	U
	EN04-5D Dup	34	16-Feb-09	DU3320021609	Summa Canister	18.5	1.4	0.0	2.58	N	N	µg/m3	<	8.8	U		2,800	E		**5.7**		<	5.1	U	<	3.3	U		**140**		<	5.1	U	<	5.2	U	<	3.4	U	<	4.5	U	<	9.9	U
	EN04-5D	34	11-Aug-09	EN045D081109	Summa Canister	18.9	0.9	0.0	3.66	N	N	µg/m3		**27**			**2,200**		<	7.2	U	<	7.2	U	<	4.7	U		**97**		<	7.2	U	<	7.4	U	<	4.8	U	<	6.4	U	<	14	U

Table C.1
Summary of Analytical Laboratory Data - Soil Vapor
Semiannual Report - Soil Vapor Monitoring
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene		Trichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene		Vinyl Chloride		1,1,1-Trichloroethane		1,1-Dichloroethene		1,1-Dichloroethane		Chloroethane		Methylene Chloride		Freon 113	
Designation **EN04-6**	EN04-6S	8	14-Oct-08	EN046S101408	Summa Canister	19.6	0.9	0.0	1.68	N	N	µg/m3	<	5.7	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
Monitoring Well **EN-310**	EN04-6S	8	16-Dec-08	EN046S121608	Summa Canister	20.4	0.5	0.0	1.49	N	N	µg/m3	<	5.0	U	<	4.0	U	<	3.0	U	<	3.0	U	<	1.9	U	<	4.1	U	<	3.0	U	<	3.0	U	<	2.0	U	<	2.6	U	<	5.7	U
	EN04-6S	8	16-Feb-09	EN046S021609	Summa Canister	19.4	0.1	0.1	1.51	N	N	µg/m3	<	5.1	U	<	4.0	U	<	3.0	U	<	3.0	U	<	1.9	U	<	4.1	U	<	3.0	U	<	3.0	U	<	2.0	U	<	2.6	U	<	5.8	U
	EN04-6S	8	11-Aug-09	EN046S081109	Summa Canister	18.4	1.6	0.0	1.68	N	N	µg/m3	<	5.7	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-6D	27	14-Oct-08	EN046D101408	Summa Canister	19.0	1.6	0.0	1.75	N	N	µg/m3	<	5.9	U	<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	3	U	<	6.7	U
	EN04-6D	27	16-Dec-08	EN046D121608	Summa Canister	20.2	0.6	0.0	1.49	N	N	µg/m3	<	5.0	U	<	4.0	U	<	3.0	U	<	3.0	U	<	1.9	U	<	4.1	U	<	3.0	U	<	3.0	U	<	2.0	U	<	2.6	U	<	5.7	U
	EN04-6D	27	16-Feb-09	EN046D021609	Summa Canister	19.3	0.2	0.1	1.48	N	N	µg/m3	<	5.0	U	<	4.0	U	<	2.9	U	<	2.9	U	<	1.9	U	<	4	U	<	2.9	U	<	3.0	U	<	2.0	U	<	2.6	U	<	5.7	U
	EN04-6D	27	11-Aug-09	EN046D081109	Summa Canister	17.0	2.6	0.0	8.2	N	N	µg/m3	<	5.6	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	4.5	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.3	U
Designation **EN04-7**	EN04-7S	8	14-Oct-08	EN047S101408	Summa Canister	19.2	1.1	0.0	1.71	N	N	µg/m3		**56**			**36**		<	3.4	U	<	3.4	U	<	2.2	U		**5**		<	3.4	U	<	3.5	U	<	2.2	U	<	3	U	<	6.6	U
Monitoring Well **EN-311**	EN04-7S Dup	8	14-Oct-08	DU3320101408	Summa Canister	19.2	1.1	0.0	1.75	N	N	µg/m3		**57**			**37**		<	3.5	U	<	3.5	U	<	2.2	U		**5.1**		<	3.5	U	<	3.5	U	<	2.3	U	<	3	U	<	6.7	U
	EN04-7S	8	16-Dec-08	EN047S121608	Summa Canister	20.3	0.6	0.0	1.49	N	N	µg/m3		**86**			**9.6**		<	3.0	U	<	3.0	U	<	1.9	U	<	4.1	U	<	3.0	U	<	3.0	U	<	2.0	U	<	2.6	U	<	5.7	U
	EN04-7S	8	16-Feb-09	EN047S021609	Summa Canister	19.5	0.2	0.1	1.53	N	N	µg/m3	<	5.2	U	<	4.1	U	<	3.0	U	<	3.0	U	<	2.0	U	<	4.2	U	<	3.0	U	<	3.1	U	<	2.0	U	<	2.6	U	<	5.9	U
	EN04-7S	8	6-Apr-09	EN047S040609	Summa Canister	20.9	0.4	0.0	1.79	N	N	µg/m3		**9.0**		<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	4.9	U	<	3.5	U	<	3.6	U	<	2.4	U	<	3.1	U	<	6.8	U
	EN04-7S Dup	8	6-Apr-09	DU3335040609	Summa Canister	20.9	0.4	0.0	1.68	N	N	µg/m3		**7.8**			**4.5**		<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-7S	8	9-Jun-09	EN047S060909	Summa Canister	19.2	0.4	0.0	1.68	N	N	µg/m3		**17**		<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-7S	8	11-Aug-09	EN047S081109	Summa Canister	18.7	0.9	0.0	1.63	N	N	µg/m3		**10**		<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	4.4	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.2	U
	EN04-7S	8	6-Oct-09	EN047S100609	Summa Canister	19.9	0.8	0.0	1.75	N	N	µg/m3		**28**		<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	3	U	<	6.7	U
	EN04-7D	34	14-Oct-08	EN047D101408	Summa Canister	19.5	1.3	0.0	5.05	N	N	µg/m3	<	17	U		**5,300**			**59**		<	10	U	<	6.4	U		**340**			**20**			**10**		<	6.7	U	<	8.8	U	<	19	U
	EN04-7D	34	16-Dec-08	EN047D121608	Summa Canister	20	1.8	0.0	6.08	N	N	µg/m3	<	21	U		**5,500**			**49**		<	12	U	<	7.8	U		**320**			**12**		<	12	U	<	8.0	U	<	10	U	<	23	U
	EN04-7D	34	16-Feb-09	EN047D021609	Summa Canister	19.1	1.5	0.1	7.75	N	N	µg/m3		**28**			**6,000**			**48**		<	15	U	<	9.9	U		**410**			**19**		<	16	U	<	10	U	<	13	U	<	30	U
	EN04-7D	34	6-Apr-09	EN047D040609	Summa Canister	20.6	1.4	0.0	8.95	N	N	µg/m3	<	30	U		**4,500**			**31**		<	18	U	<	11	U		**260**		<	18	U	<	18	U	<	12	U	<	16	U	<	34	U
	EN04-7D	34	9-Jun-09	EN047D060909	Summa Canister	20.0	0.5	0.0	4.67	N	N	µg/m3	<	16	U		**4,100**			**34**		<	9.2	U	<	6	U		**260**			**9.2**		<	9.4	U	<	6.2	U	<	8.1	U	<	18	U
	EN04-7D	34	11-Aug-09	EN047D081109	Summa Canister	19.2	0.7	0.0	7	N	N	µg/m3	<	24	U		**4,000**			**35**		<	14	U	<	8.9	U		**230**			**19**		<	14	U	<	9.2	U	<	12	U	<	27	U
	EN04-7D Dup	34	11-Aug-09	DU3355081109	Summa Canister	19.2	0.7	0.0	7.16	N	N	µg/m3	<	24	U		**4,300**			**39**		<	14	U	<	9.2	U		**260**			**20**		<	14	U	<	9.4	U	<	12	U	<	27	U
	EN04-7D	34	6-Oct-09	EN047D100609	Summa Canister	19.3	1.3	0.0	6.56	N	N	µg/m3	<	22	U		**5,100**			**32**		<	13	U	<	8.4	U		**230**		<	13	U	<	13	U	<	8.6	U	<	11	U	<	25	U

Table C.1
Summary of Analytical Laboratory Data - Soil Vapor
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SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	Chloroethane	Methylene Chloride	Freon 113
Designation **EN04-9**	EN04-9S	8	15-Oct-08	EN049S101508	Summa Canister	18.1	1.8	0.0	13.1	N	N	µg/m3	**220**	**8,400**	< 26 U	< 26 U	< 17 U	**540**	< 26 U	< 26 U	< 17 U	< 23 U	< 50 U
Monitoring Well **EN-279**	EN04-9S	8	16-Dec-08	EN049S121608	Summa Canister	20.3	0.6	0.0	1.49	N	N	µg/m3	**37**	**1,200**	**3.2**	< 3.0 U	< 1.9 U	**55**	< 3.0 U	**3.4**	< 2.0 U	< 2.6 U	< 5.7 U
	EN04-9S	8	17-Feb-09	EN049S021709	Summa Canister	19.6	0.3	0.1	1.69	N	N	µg/m3	**26**	**950**	**4.4**	< 3.4 U	< 2.2 U	**49**	**3.6**	**5.0**	< 2.2 U	< 2.9 U	< 6.5 U
	EN04-9S	8	7-Apr-09	EN049S040709	Summa Canister	20.5	0.4	0.0	1.58	N	N	µg/m3	**23**	**1,100**	**6.1**	< 3.1 U	< 2.0 U	**61**	< 3.1 U	**7.6**	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-9S	8	8-Jun-09	EN049S060809	Summa Canister	17.6	0.6	0.0	6.56	N	N	µg/m3	**110**	**4,200**	**14**	< 13 U	< 8.4 U	**200**	< 13 U	**18**	< 8.6 U	< 11 U	< 25.0 U
	EN04-9S	8	12-Aug-09	EN049S081209	Summa Canister	17.5	0.8	0.0	8.5	N	N	µg/m3	**540**	**7,200**	**540**	< 17 U	< 11.0 U	**740**	**200**	**150**	< 11 U	< 15 U	**38.0**
	EN04-9S Dup	8	12-Aug-09	DU3325081209	Summa Canister	17.5	0.8	0.0	8.5	N	N	µg/m3	**560**	**7,300**	**530**	< 17 U	< 11.0 U	**740**	**200**	**140**	< 11 U	< 15 U	**37.0**
	EN04-9S	8	6-Oct-09	EN049S100609	Summa Canister	18.5	1.5	0.1	11.2	N	N	µg/m3	**190**	**7,200**	< 22 U	< 22 U	< 14.0 U	**330**	< 22 U	< 23 U	< 15 U	< 19 U	< 43.0 U
	EN04-9D	20	15-Oct-08	EN049D101508	Summa Canister	16.9	2.0	0.0	21.5	N	N	µg/m3	**800**	**12,000**	**1,000**	< 43 U	< 27 U	**1,700**	**440**	**410**	< 28 U	< 37 U	< 82 U
	EN04-9D	20	16-Dec-08	EN049D121608	Summa Canister	NM	NM	NM	1.52	N	N	µg/m3	**67**	**960**	**36**	< 3.0 U	< 1.9 U	**67**	**10**	**12**	< 2.0 U	< 2.6 U	< 5.8 U
	EN04-9D	20	17-Feb-09	EN049D021709	Summa Canister	19.1	0.6	0.1	7.85	N	N	µg/m3	**590**	**6,600**	**610**	< 16 U	< 10 U	**580**	**150**	**190**	< 10 U	< 14 U	< 30 U
	EN04-9D Dup	20	17-Feb-09	DU3356021709	Summa Canister	19.1	0.6	0.1	6.33	N	N	µg/m3	**590**	**6,400**	**600**	< 12 U	< 8.1 U	**580**	**150**	**190**	< 8.4 U	< 11 U	< 24 U
	EN04-9D	20	7-Apr-09	EN049D040709	Summa Canister	19.9	0.7	0.0	13.1	N	N	µg/m3	**470**	**6,800**	**560**	< 26 U	< 17 U	**550**	**120**	**160**	< 17 U	< 23 U	< 50 U
	EN04-9D Dup	20	7-Apr-09	DU3301040709	Summa Canister	19.9	0.7	0.0	13.1	N	N	µg/m3	**470**	**6,700**	**550**	< 26 U	< 17 U	**540**	**120**	**160**	< 17 U	< 23 U	< 50 U
	EN04-9D	20	8-Jun-09	EN049D060809	Summa Canister	17.9	0.3	0.0	6.72	N	N	µg/m3	**460**	**6,100**	**460**	< 13 U	< 8.6 U	**500**	**96**	**130**	< 8.9 U	< 12 U	< 26 U
	EN04-9D	20	12-Aug-09	EN049D081209	Summa Canister	18.3	1.2	0.0	13.4	N	N	µg/m3	**190**	**7,300**	< 26 U	< 26 U	< 17 U	**390**	< 26 U	< 27 U	< 18 U	< 23 U	< 51 U
	EN04-9D	20	6-Oct-09	EN049D100609	Summa Canister	17.6	1.4	0.0	16.4	N	N	µg/m3	**870**	**11,000**	**880**	< 32 U	< 21 U	**1,000**	**420**	**250**	< 22 U	< 28 U	**86**
Designation **EN04-10**	EN04-10S	8	15-Oct-08	EN0410S101508	Summa Canister	11.6	5.4	0.0	68.4	N	N	µg/m3	**450**	**49,000**	**9,100**	< 140 U	< 87 U	**12,000**	**1,500**	**4,200**	< 90 U	< 120 U	< 260 U
Monitoring Well **EN-77**	EN04-10S	8	16-Dec-08	EN0410S121608	Summa Canister	14.8	4.5	0.0	19.9	N	N	µg/m3	**200**	**22,000**	**4,900**	< 39 U	< 25 U	**6,300**	**930**	**2,200**	< 26 U	< 34 U	< 76 U
	EN04-10S	8	17-Feb-09	EN0410S021709	Summa Canister	15.2	3.2	0.1	13.4	N	N	µg/m3	**100**	**12,000**	**3,000**	< 26 U	< 17 U	**3,700**	**720**	**1,700**	< 18 U	< 23 U	< 51 U
	EN04-10S Dup	8	17-Feb-09	DU3361021709	Summa Canister	15.2	3.2	0.1	11.2	N	N	µg/m3	**99**	**12,000**	**3,000**	< 22 U	< 14 U	**3,700**	**720**	**1,700**	< 15 U	< 19 U	**50**
	EN04-10S	8	13-Aug-09	EN0410S081309	Summa Canister	13.6	5.5	0.0	65.6	N	N	µg/m3	**560**	**46,000**	**9,200**	< 130 U	< 84 U	**9,400**	**1400**	**4,200**	< 86 U	< 110 U	< 250 U
	EN04-10D	20	15-Oct-08	EN0410D101508	Summa Canister	12.0	5.4	0.0	84	N	N	µg/m3	**710**	**57,000**	**15,000**	< 170 U	< 110 U	**17,000**	**2,500**	**5,900**	< 110 U	< 140 U	< 320 U
	EN04-10D	20	16-Dec-08	EN0410D121608	Summa Canister	14	5.1	0.0	74.5	N	N	µg/m3	**650**	**50,000**	**13,000**	< 150 U	< 95 U	**14,000**	**1,900**	**4,800**	< 98 U	< 130 U	< 280 U
	EN04-10D	20	17-Feb-09	EN0410D021709	Summa Canister	14.6	4.2	0.1	49.5	N	N	µg/m3	**410**	**31,000**	**9,000**	< 98 U	< 63 U	**7,000**	**1,400**	**3,800**	< 65 U	< 86 U	< 190 U
	EN04-10D	20	12-Aug-09	EN0410D081209	Summa Canister	18.9	1.3	0.0	68	N	N	µg/m3	**700**	**38,000**	**10,000**	< 130 U	< 87 U	**5,900**	**3,000**	**4,600**	< 90 U	< 120 U	< 260 U

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SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	Chloroethane	Methylene Chloride	Freon 113
Designation **EN04-11**	EN04-11S	8	15-Oct-08	EN0411S101508	Summa Canister	19.8	0.4	0.0	1.61	N	N	µg/m3	< 5.5 U	**58**	< 3.2 U	< 3.2 U	< 2 U	< 4.4 U	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
Monitoring Well **EN-215**	EN04-11S	8	16-Dec-08	EN0411S121608	Summa Canister	20.2	0.5	0.0	1.75	N	N	µg/m3	< 5.9 U	**50**	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3.0 U	< 6.7 U
	EN04-11S	8	17-Feb-09	EN0411S021709	Summa Canister	20.7	0.3	0.0	1.63	N	N	µg/m3	< 5.5 U	**25**	< 3.2 U	< 3.2 U	< 2.1 U	< 4.4 U	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.2 U
	EN04-11S Dup	8	17-Feb-09	DU3460021709	Summa Canister	20.7	0.3	0.0	1.61	N	N	µg/m3	< 5.5 U	**25**	< 3.2 U	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-11S	8	7-Apr-09	EN0411S040709	Summa Canister	20.4	0.6	0.0	1.68	N	N	µg/m3	**7.1**	**26**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-11S	8	8-Jun-09	EN0411S060809	Summa Canister	18.3	0.7	0.0	1.39	N	N	µg/m3	< 4.7 U	**80**	< 2.8 U	< 2.8 U	< 1.8 U	**5.5**	< 2.8 U	< 2.8 U	< 1.8 U	< 2.4 U	< 5.3 U
	EN04-11S	8	12-Aug-09	EN0411S081209	Summa Canister	19.2	1.0	0.0	8.2	N	N	µg/m3	**6.2**	**130**	< 3.2 U	< 3.2 U	< 2.1 U	**11**	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.3 U
	EN04-11S	8	6-Oct-09	EN0411S100609	Summa Canister	19.7	1.1	0.1	1.68	N	N	µg/m3	**6.8**	**160**	< 3.3 U	< 3.3 U	< 2.1 U	**6.1**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-11D	21	15-Oct-08	EN0411D101508	Summa Canister	19.5	0.6	0.0	2.1	N	N	µg/m3	**42**	**1,600**	**5.6**	< 4.2 U	< 2.7 U	**40**	< 4.2 U	< 4.2 U	< 2.8 U	< 3.6 U	< 8 U
	EN04-11D	21	16-Dec-08	EN0411D121608	Summa Canister	20.2	0.7	0.0	3.04	N	N	µg/m3	**56**	**2,100**	**6.2**	< 6.0 U	< 3.9 U	**52**	< 6.0 U	< 6.2 U	< 4.0 U	< 5.3 U	< 12 U
	EN04-11D	21	17-Feb-09	EN0411D021709	Summa Canister	20.9	0.4	0.0	1.55	N	N	µg/m3	**36**	**1,400**	**3.6**	< 3.1 U	< 2.0 U	**31**	< 3.1 U	< 3.1 U	< 2.0 U	< 2.7 U	< 5.9 U
	EN04-11D	21	7-Apr-09	EN0411D040709	Summa Canister	20.6	0.4	0.0	1.61	N	N	µg/m3	< 5.5 U	**67**	< 3.2 U	< 3.2 U	< 2.0 U	**6.1**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-11D	21	8-Jun-09	EN0411D060809	Summa Canister	18.5	0.3	0.0	3.22	N	N	µg/m3	**36**	**1,400**	< 6.4 U	< 6.4 U	< 4.1 U	**38**	< 6.4 U	< 6.5 U	< 4.2 U	< 5.6 U	< 12 U
	EN04-11D	21	12-Aug-09	EN0411D081209	Summa Canister	19.7	0.4	0.0	1.61	N	N	µg/m3	**70**	**1,400**	**5.1**	< 3.2 U	< 2.0 U	**42**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-11D	21	6-Oct-09	EN0411D100609	Summa Canister	19.8	0.9	0.0	1.68	N	N	µg/m3	**44**	**1,700**	**5.5**	< 3.3 U	< 2.1 U	**37**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
Designation **EN04-12**	EN04-12S	8	14-Oct-08	EN0412S101408	Summa Canister	18.5	2.3	0.0	1.79	N	N	µg/m3	< 6.1 U	**1,100**	< 3.5 U	< 3.5 U	< 2.3 U	**23**	< 3.5 U	< 3.6 U	< 2.4 U	**5**	< 6.8 U
Monitoring Well **EN-214A**	EN04-12S	8	17-Dec-08	EN0412S121708	Summa Canister	19.6	1.9	0.0	1.68	N	N	µg/m3	< 5.7 U	**790**	< 3.3 U	< 3.3 U	< 2.1 U	**22**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-12S	8	18-Feb-09	EN0412S021809	Summa Canister	20.2	1.4	0.0	1.65	N	N	µg/m3	< 5.6 U	**390**	< 3.3 U	< 3.3 U	< 2.1 U	**11**	< 3.3 U	< 3.3 U	< 2.2 U	< 2.9 U	< 6.3 U
	EN04-12S	8	6-Apr-09	EN0412S040609	Summa Canister	19.8	1.6	0.0	1.79	N	N	µg/m3	< 6.1 U	**390**	< 3.5 U	< 3.5 U	< 2.3 U	**17**	< 3.5 U	< 3.6 U	< 2.4 U	< 3.1 U	< 6.8 U
	EN04-12S	8	9-Jun-09	EN0412S060909	Summa Canister	18.7	1.6	0.0	1.71	N	N	µg/m3	< 5.8 U	**700**	< 3.4 U	< 3.4 U	< 2.2 U	**22**	< 3.4 U	< 3.5 U	< 2.2 U	< 3 U	< 6.6 U
	EN04-12S	8	12-Aug-09	EN0412S081209	Summa Canister	18.2	2.8	0.0	1.68	N	Y	µg/m3	< 5.7 U	**1,200**	< 3.3 U	< 3.3 U	< 2.1 U	**22**	**3.9**	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-12S	8	7-Oct-09	EN0412S100709	Summa Canister	18.6	2.4	0.0	1.61	N	N	µg/m3	< 5.5 U	**1,300**	< 3.2 U	< 3.2 U	< 2 U	**29**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-12D	19	14-Oct-08	EN0412D101408	Summa Canister	18.3	2.6	0.0	2.28	N	N	µg/m3	< 7.7 U	**1,500**	< 4.5 U	< 4.5 U	< 2.9 U	**40**	< 4.5 U	< 4.6 U	< 3 U	< 4 U	< 8.7 U
	EN04-12D	19	17-Dec-08	EN0412D121708	Summa Canister	20.2	2.2	0.0	1.55	N	N	µg/m3	< 5.2 U	**1,200**	< 3.1 U	< 3.1 U	< 2.0 U	**35**	< 3.1 U	< 3.1 U	< 2.0 U	< 2.7 U	< 5.9 U
	EN04-12D	19	18-Feb-09	EN0412D021809	Summa Canister	19.8	2.0	0.0	1.57	N	N	µg/m3	**7.4**	**750**	< 3.1 U	< 3.1 U	< 2.0 U	**20**	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-12D	19	6-Apr-09	EN0412D040609	Summa Canister	20	1.7	0.0	1.71	N	N	µg/m3	< 5.8 U	**680**	< 3.4 U	< 3.4 U	< 2.2 U	**30**	< 3.4 U	< 3.5 U	< 2.2 U	< 3 U	< 6.6 U
	EN04-12D	19	9-Jun-09	EN0412D060909	Summa Canister	18.7	1.7	0.0	6.72	N	N	µg/m3	**270**	**720**	**2400**	**65**	**16.0**	**20**	< 13 U	**18**	< 8.9 U	**240**	< 26.0 U
	EN04-12D	19	12-Aug-09	EN0412D081209	Summa Canister	18.5	2.5	0.0	1.68	N	Y	µg/m3	< 5.7 U	**800**	< 3.3 U	< 3.3 U	< 2.1 U	**13**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-12D	19	7-Oct-09	EN0412D100709	Summa Canister	18.2	2.8	0.0	1.64	N	N	µg/m3	< 5.6 U	**1,000**	< 3.2 U	< 3.2 U	< 2.1 U	**24**	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.3 U

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SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene		Trichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene		Vinyl Chloride		1,1,1-Trichloroethane		1,1-Dichloroethene		1,1-Dichloroethane		Chloroethane		Methylene Chloride		Freon 113	
Designation **EN04-13**	EN04-13S	8	14-Oct-08	EN0413S101408	Summa Canister	17.7	2.7	0.0	1.68	N	N	µg/m3	<	5.7	U	**1,500**		<	3.3	U	<	3.3	U	<	2.1	U	**180**		<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
Monitoring Well **EN-449**	EN04-13S	8	17-Dec-08	EN0413S121708	Summa Canister	19.2	2.7	0.0	1.52	N	N	µg/m3		**5.3**		**630**		<	3.0	U	<	3.0	U	<	1.9	U	**140**		<	3.0	U	<	3.1	U	<	2.0	U	<	2.6	U	<	5.8	U
	EN04-13S	8	18-Feb-09	EN0413S021809	Summa Canister	18.8	2.9	0.0	1.61	N	N	µg/m3		**46**		**400**		<	3.2	U	<	3.2	U	<	2.0	U	**95**		<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN04-13S	8	12-Aug-09	EN0413S081209	Summa Canister	17.1	3.5	0.0	2.28	N	N	µg/m3	<	7.7	U	**1,700**		<	4.5	U	<	4.5	U	<	2.9	U	**180**			**13**		<	4.6	U	<	3	U	<	4	U	<	8.7	U
	EN04-13D	30	14-Oct-08	EN0413D101408	Summa Canister	17.7	2.6	0.0	4.02	N	N	µg/m3	<	14	U	**3,000**		<	8	U	<	8	U	<	5.1	U	**450**		<	8	U	<	8.1	U	<	5.3	U	<	7	U	<	15	U
	EN04-13D	30	17-Dec-08	EN0413D121708	Summa Canister	18.8	2.9	0.0	6.36	N	N	µg/m3	<	22	U	**3,000**		<	13	U	<	13	U	<	8.1	U	**390**		<	13	U	<	13	U	<	8.4	U	<	11	U	<	24	U
	EN04-13D	30	18-Feb-09	EN0413D021809	Summa Canister	18.7	2.4	0.0	2.29	N	N	µg/m3	<	7.8	U	**2,300**		<	4.5	U	<	4.5	U	<	2.9	U	**320**		<	4.5	U	<	4.6	U	<	3.0	U	<	4.0	U	<	8.8	U
	EN04-13D Dup	30	18-Feb-09	DU3358021809	Summa Canister	18.7	2.4	0.0	2.29	N	N	µg/m3	<	7.8	U	**2,400**		<	4.5	U	<	4.5	U	<	2.9	U	**320**		<	4.5	U	<	4.6	U	<	3.0	U	<	4.0	U	<	8.8	U
	EN04-13D	30	12-Aug-09	EN0413D081209	Summa Canister	18.9	2.1	0.0	8.95	N	N	µg/m3	<	6.1	U	**100**		<	3.5	U	<	3.5	U	<	2.3	U	**9.1**		<	3.5	U	<	3.6	U	<	2.4	U	<	3.1	U	<	6.8	U
Designation **EN04-14**	EN04-14S	8	14-Oct-08	EN0414S101408	Summa Canister	19.1	1.5	0.0	1.68	N	N	µg/m3	<	5.7	U	**24**		<	3.3	U	<	3.3	U	<	2.1	U	**9.5**		<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
Monitoring Well **EN-462**	EN04-14S	8	17-Dec-08	EN0414S121708	Summa Canister	20.1	1.4	0.0	1.71	N	N	µg/m3	<	5.8	U	**12**		<	3.4	U	<	3.4	U	<	2.2	U	**8.2**		<	3.4	U	<	3.5	U	<	2.2	U	<	3.0	U	<	6.6	U
	EN04-14S Dup	8	17-Dec-08	DU3372121708	Summa Canister	20.1	1.4	0.0	1.61	N	N	µg/m3	<	5.5	U	**11**		<	3.2	U	<	3.2	U	<	2.0	U	**8.6**		<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN04-14S	8	18-Feb-09	EN0414S021809	Summa Canister	18.4	0.8	0.1	1.6	N	N	µg/m3	<	5.4	U	**9.7**		<	3.2	U	<	3.2	U	<	2.0	U	**7.7**		<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.1	U
	EN04-14S	8	11-Aug-09	EN0414S081109	Summa Canister	18.2	1.9	0.0	8.4	N	N	µg/m3	<	5.7	U	**16**		<	3.3	U	<	3.3	U	<	2.1	U	**5.8**		<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-14S Dup	8	11-Aug-09	DU31775081109	Summa Canister	18.2	1.9	0.0	1.68	N	N	µg/m3	<	5.7	U	**24**		<	3.3	U	<	3.3	U	<	2.1	U	**7**		<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-14D	34	14-Oct-08	EN0414D101408	Summa Canister	19.4	0.6	0.0	4.2	N	N	µg/m3	<	14	U	**3,000**		<	8.3	U	<	8.3	U	<	5.4	U	**130**		<	8.3	U	<	8.5	U	<	5.5	U	<	7.3	U	<	16	U
	EN04-14D	34	17-Dec-08	EN0414D121708	Summa Canister	20.3	1.5	0.0	4.8	N	N	µg/m3	<	16	U	**3,800**		<	9.5	U	<	9.5	U	<	6.1	U	**160**		<	9.5	U	<	9.7	U	<	6.3	U	<	8.3	U	<	18	U
	EN04-14D	34	18-Feb-09	EN0414D021809	Summa Canister	18.3	0.6	0.1	5.28	N	N	µg/m3	<	18	U	**3,600**		<	10	U	<	10	U	<	6.7	U	**120**		<	10	U	<	11	U	<	7	U	<	9.2	U	<	20	U
	EN04-14D	34	11-Aug-09	EN0414D081109	Summa Canister	19.4	0.4	0.0	1.71	N	N	µg/m3		**36**		**960**		<	3.4	U	<	3.4	U	<	2.2	U	**46**		<	3.4	U	<	3.5	U	<	2.2	U	<	3	U	<	6.6	U
Designation **EN04-15**	EN04-15S	8	15-Oct-08	EN0415S101508	Summa Canister	18.6	1.4	0.0	1.75	N	N	µg/m3	<	5.9	U	<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	3	U	<	6.7	U
Monitoring Well **EN-162**	EN04-15S	8	16-Dec-08	EN0415S121608	Summa Canister	20.2	0.8	0.0	1.44	N	N	µg/m3	<	4.9	U	<	3.9	U	<	2.8	U	<	2.8	U	<	1.8	U	<	3.9	U	<	2.8	U	<	2.9	U	<	1.9	U	<	2.5	U	<	5.5	U
	EN04-15S Dup	8	16-Dec-08	DU3338121608	Summa Canister	20.2	0.8	0.0	1.44	N	N	µg/m3	<	4.9	U	<	3.9	U	<	2.8	U	<	2.8	U	<	1.8	U	<	3.9	U	<	2.8	U	<	2.9	U	<	1.9	U	<	2.5	U	<	5.5	U
	EN04-15S	8	18-Feb-09	EN0415S021809	Summa Canister	20.6	0.7	0.0	1.61	N	N	µg/m3	<	5.5	U	<	4.3	U	<	3.2	U	<	3.2	U	<	2.0	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN04-15S	8	11-Aug-09	EN0415S081109	Summa Canister	18.5	1.8	0.0	1.76	N	Y	µg/m3	<	6	U	<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.6	U	<	2.3	U	<	3	U	<	6.7	U
	EN04-15D	30	15-Oct-08	EN0415D101508	Summa Canister	18.9	1.3	0.0	1.79	N	N	µg/m3	<	6.1	U	<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	4.9	U	<	3.5	U	<	3.6	U	<	2.4	U	<	3.1	U	<	6.8	U
	EN04-15D	30	16-Dec-08	EN0415D121608	Summa Canister	20.6	0.6	0.0	1.49	N	N	µg/m3	<	5.0	U	<	4.0	U	<	3.0	U	<	3.0	U	<	1.9	U	<	4.1	U	<	3.0	U	<	3.0	U	<	2.0	U	<	2.6	U	<	5.7	U
	EN04-15D	30	18-Feb-09	EN0415D021809	Summa Canister	20.7	0.5	0.0	1.63	N	N	µg/m3		**24.0**		**7.2**		<	3.2	U	<	3.2	U	<	2.1	U	<	4.4	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.2	U
	EN04-15D	30	11-Aug-09	EN0415D081109	Summa Canister	18.7	1.7	0.0	1.81	N	Y	µg/m3	<	6.1	U	<	4.9	U	<	3.6	U	<	3.6	U	<	2.3	U	<	4.9	U	<	3.6	U	<	3.7	U	<	2.4	U	<	3.1	U	<	6.9	U

Table C.1
Summary of Analytical Laboratory Data - Soil Vapor
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SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	Chloroethane	Methylene Chloride	Freon 113
Designation **EN04-16**	EN04-16S	8	14-Oct-08	EN0416S101408	Summa Canister	19.4	1.1	0.0	1.79	N	N	µg/m3	**8.6**	**9**	< 3.5 U	< 3.5 U	< 2.3 U	< 4.9 U	< 3.5 U	< 3.6 U	< 2.4 U	< 3.1 U	< 6.8 U
Monitoring Well **EN-206A**	EN04-16S	8	17-Dec-08	EN0416S121708	Summa Canister	20.6	0.4	0.0	1.52	N	N	µg/m3	< 5.2 U	< 4.1 U	< 3.0 U	< 3.0 U	< 1.9 U	< 4.1 U	< 3.0 U	< 3.1 U	< 2.0 U	< 2.6 U	< 5.8 U
	EN04-16S	8	17-Feb-09	EN0416S021709	Summa Canister	19.7	0.2	0.1	1.59	N	N	µg/m3	< 5.4 U	< 4.3 U	< 3.2 U	< 3.2 U	< 2.0 U	< 4.3 U	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.1 U
	EN04-16S	8	11-Aug-09	EN0416S081109	Summa Canister	18.9	1.9	0.0	1.68	N	N	µg/m3	**10**	**7.7**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-16D	34	14-Oct-08	EN0416D101408	Summa Canister	19.3	1.3	0.0	7.16	N	N	µg/m3	**280**	**5,800**	**33**	< 14 U	< 9.2 U	**260**	< 14 U	< 14 U	< 9.4 U	< 12 U	< 27 U
	EN04-16D	34	17-Dec-08	EN0416D121708	Summa Canister	20.2	1.6	0.0	5.75	N	N	µg/m3	**240**	**4,900**	**14**	< 11 U	< 7.3 U	**220**	< 11 U	< 12 U	< 7.6 U	< 10 U	< 22 U
	EN04-16D Dup	34	17-Dec-08	DU12801121708	Summa Canister	20.2	1.6	0.0	7.47	N	N	µg/m3	**270**	**5,600**	**15**	< 15 U	< 9.5 U	**250**	< 15 U	< 15 U	< 9.8 U	< 13 U	< 29 U
	EN04-16D	34	17-Feb-09	EN0416D021709	Summa Canister	19.5	1.1	0.1	5.54	N	N	µg/m3	**250**	**4,800**	**18**	< 11 U	< 7.1 U	**200**	< 11 U	< 11 U	< 7.3 U	< 9.6 U	< 21 U
	EN04-16D	34	11-Aug-09	EN0416D081109	Summa Canister	19.4	0.7	0.0	4.67	N	N	µg/m3	**210**	**3,900**	**16**	< 9.2 U	< 6 U	**200**	< 9.2 U	< 9.4 U	< 6.2 U	< 8.1 U	< 18 U
Designation **EN04-17**	EN04-17S	8	14-Oct-08	EN0417S101408	Summa Canister	19.8	0.6	0.0	1.75	N	N	µg/m3	< 5.9 U	**350**	< 3.5 U	< 3.5 U	< 2.2 U	**7.5**	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
Monitoring Well **EN-401**	EN04-17S	8	17-Dec-08	EN0417S121708	Summa Canister	20.7	0.2	0.0	1.61	N	N	µg/m3	< 5.5 U	**64**	< 3.2 U	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-17S	8	18-Feb-09	EN0417S021809	Summa Canister	19.9	0.1	0.1	1.58	N	N	µg/m3	< 5.4 U	**97**	< 3.1 U	< 3.1 U	< 2.0 U	< 4.3 U	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-17S	8	6-Apr-09	EN0417S040609	Summa Canister	21.1	0.4	0.0	1.75	N	N	µg/m3	< 5.9 U	**110**	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3.0 U	< 6.7 U
	EN04-17S	8	9-Jun-09	EN0417S060909	Summa Canister	19.5	0.4	0.0	1.79	N	N	µg/m3	< 6.1 U	**300**	< 3.5 U	< 3.5 U	< 2.3 U	**5.3**	< 3.5 U	< 3.6 U	< 2.4 U	< 3.1 U	< 6.8 U
	EN04-17S Dup	8	9-Jun-09	DU3372060909	Summa Canister	19.5	0.4	0.0	1.79	N	N	µg/m3	< 6.1 U	**300**	< 3.5 U	< 3.5 U	< 2.3 U	**5.7**	< 3.5 U	< 3.6 U	< 2.4 U	< 3.1 U	< 6.8 U
	EN04-17S	8	11-Aug-09	EN0417S081109	Summa Canister	19.3	0.8	0.0	8.75	N	N	µg/m3	< 5.9 U	**440**	< 3.5 U	< 3.5 U	< 2.2 U	**8.8**	< 3.5 U	< 3.5 U	< 2.3 U	< 3.0 U	< 6.7 U
	EN04-17S	8	7-Oct-09	EN0417S100709	Summa Canister	20.4	0.8	0.0	1.71	N	N	µg/m3	< 5.8 U	**270**	< 3.4 U	< 3.4 U	< 2.2 U	**5**	< 3.4 U	< 3.5 U	< 2.2 U	< 3.0 U	< 6.6 U
	EN04-17D	28	14-Oct-08	EN0417D101408	Summa Canister	19.6	0.4	0.0	1.79	N	N	µg/m3	**14**	**1,800**	**18**	< 3.5 U	< 2.3 U	**52**	< 3.5 U	< 3.6 U	< 2.4 U	< 3.1 U	< 6.8 U
	EN04-17D Dup	28	14-Oct-08	DU3338101408	Summa Canister	19.6	0.4	0.0	1.79	N	N	µg/m3	< 6.1 U	**1,700**	**18**	< 3.5 U	< 2.3 U	**52**	< 3.5 U	< 3.6 U	< 2.4 U	< 3.1 U	< 6.8 U
	EN04-17D	28	17-Dec-08	EN0417D121708	Summa Canister	20.7	0.3	0.0	1.61	N	N	µg/m3	**44**	**550**	**6.3**	< 3.2 U	< 2 U	**9.7**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-17D	28	18-Feb-09	EN0417D021809	Summa Canister	19.7	0.1	0.1	1.57	N	N	µg/m3	< 5.3 U	**1,400**	**10**	< 3.1 U	< 2.0 U	**43**	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-17D	28	6-Apr-09	EN0417D040609	Summa Canister	21.1	0.4	0.0	3.28	N	N	µg/m3	< 11 U	**1,400**	**16**	< 6.5 U	< 4.2 U	**77**	< 6.5 U	< 6.6 U	< 4.3 U	< 5.7 U	< 12 U
	EN04-17D	28	9-Jun-09	EN0417D060909	Summa Canister	19.7	0.6	0.0	1.79	N	N	µg/m3	**10**	**60**	< 3.5 U	< 3.5 U	< 2.3 U	< 4.9 U	< 3.5 U	< 3.6 U	< 2.4 U	< 3.1 U	< 6.8 U
	EN04-17D	28	11-Aug-09	EN0417D081109	Summa Canister	19.4	0.7	0.0	8.75	N	N	µg/m3	< 5.9 U	**69**	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN04-17D	28	7-Oct-09	EN0417D100709	Summa Canister	20.5	0.5	0.0	1.64	N	N	µg/m3	< 5.6 U	**54**	< 3.2 U	< 3.2 U	< 2.1 U	< 4.5 U	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.3 U
Designation **EN04-18**	EN04-18S	8	14-Oct-08	EN0418S101408	Summa Canister	20.1	0.0	0.0	1.75	N	N	µg/m3	< 5.9 U	< 4.7 U	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
Monitoring Well **EN-217A**	EN04-18S	8	17-Dec-08	EN0418S121708	Summa Canister	20.6	0.4	0.0	1.55	N	N	µg/m3	**39**	< 4.2 U	< 3.1 U	< 3.1 U	< 2.0 U	< 4.2 U	< 3.1 U	< 3.1 U	< 2.0 U	< 2.7 U	< 5.9 U
	EN04-18S	8	17-Feb-09	EN0418S021709	Summa Canister	20.2	0.1	0.1	1.57	N	N	µg/m3	< 5.3 U	< 4.2 U	< 3.1 U	< 3.1 U	< 2.0 U	< 4.3 U	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-18S	8	11-Aug-09	EN0418S081109	Summa Canister	19.4	1.3	0.0	1.75	N	N	µg/m3	< 5.9 U	< 4.7 U	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN04-18D	31	14-Oct-08	EN0418D101408	Summa Canister	20.0	0.2	0.0	1.71	N	N	µg/m3	**10**	**1,300**	**15**	< 3.4 U	< 2.2 U	**93**	< 3.4 U	< 3.5 U	< 2.2 U	< 3 U	< 6.6 U
	EN04-18D	31	17-Dec-08	EN0418D121708	Summa Canister	19.8	1.3	0.0	1.55	N	N	µg/m3	**590**	**1,400**	**12**	< 3.1 U	< 2 U	**100**	< 3.1 U	< 3.1 U	< 2.0 U	< 2.7 U	< 5.9 U
	EN04-18D	31	17-Feb-09	EN0418D021709	Summa Canister	19.7	0.9	0.1	1.66	N	N	µg/m3	**23**	**1,100**	**12**	< 3.3 U	< 2.1 U	**64**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-18D	31	11-Aug-09	EN0418D081109	Summa Canister	19.7	0.7	0.0	1.7	N	N	µg/m3	**8.5**	**940**	**8.6**	< 3.4 U	< 2.2 U	**51**	< 3.4 U	< 3.4 U	< 2.2 U	< 3 U	< 6.5 U

Table C.1
Summary of Analytical Laboratory Data - Soil Vapor
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SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene		Trichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene		Vinyl Chloride		1,1,1-Trichloroethane		1,1-Dichloroethene		1,1-Dichloroethane		Chloroethane		Methylene Chloride		Freon 113	
Designation **EN04-19**	EN04-19S	8	14-Oct-08	EN0419S101408	Summa Canister	19.8	0.6	0.0	1.75	N	N	µg/m3	<	5.9	U	<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	3	U	<	6.7	U
Monitoring Well **EN-426**	EN04-19S	8	17-Dec-08	EN0419S121708	Summa Canister	20.7	0.3	0.0	1.68	N	N	µg/m3	<	5.7	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-19S	8	18-Feb-09	EN0419S021809	Summa Canister	19.6	0.0	0.1	1.61	N	N	µg/m3	<	5.5	U	<	4.3	U	<	3.2	U	<	3.2	U	<	2.0	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN04-19S	8	10-Aug-09	EN0419S081009	Summa Canister	19.9	0.8	0.0	1.68	N	N	µg/m3	<	5.7	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-19S Dup	8	10-Aug-09	DU3461081009	Summa Canister	19.9	0.8	0.0	1.69	N	N	µg/m3	<	5.7	U	<	4.5	U	<	3.4	U	<	3.4	U	<	2.2	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.5	U
	EN04-19D	29.5	14-Oct-08	EN0419D101408	Summa Canister	19.8	0.7	0.0	1.71	N	N	µg/m3	<	5.8	U		**1,400**			**13**		<	3.4	U	<	2.2	U		**67**		<	3.4	U	<	3.5	U	<	2.2	U	<	3	U	<	6.6	U
	EN04-19D	29.5	17-Dec-08	EN0419D121708	Summa Canister	20.3	1.2	0.0	1.61	N	N	µg/m3	<	5.5	U		**1,400**			**9.8**		<	3.2	U	<	2.0	U		**45**		<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN04-19D	29.5	18-Feb-09	EN0419D021809	Summa Canister	19.4	0.8	0.1	1.61	N	N	µg/m3	<	5.5	U		**1,000**			**7**		<	3.2	U	<	2.0	U		**27**		<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN04-19D	29.5	10-Aug-09	EN0419D081009	Summa Canister	19.0	0.7	0.0	1.63	N	N	µg/m3	<	5.5	U		**870**			**8.6**		<	3.2	U	<	2.1	U		**45**		<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.2	U
Designation **EN04-20**	EN04-20S	8	14-Oct-08	EN0420S101408	Summa Canister	19.4	1.3	0.0	1.64	N	N	µg/m3	<	5.6	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	4.5	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.3	U
Monitoring Well **EN-207**	EN04-20S	8	17-Dec-08	EN0420S121708	Summa Canister	20.2	1.4	0.0	1.55	N	N	µg/m3	<	5.2	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	2.7	U	<	5.9	U
	EN04-20S	8	18-Feb-09	EN0420S021809	Summa Canister	18.6	0.9	0.1	1.60	N	N	µg/m3	<	5.4	U	<	4.3	U	<	3.2	U	<	3.2	U	<	2.0	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.1	U
	EN04-20S	8	10-Aug-09	EN0420S081009	Summa Canister	20.0	0.5	0.0	1.76	N	N	µg/m3	<	6	U	<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.6	U	<	2.3	U	<	3	U	<	6.7	U
	EN04-20D	36	14-Oct-08	EN0420D101408	Summa Canister	19.9	0.4	0.0	1.61	N	N	µg/m3	<	5.5	U		**310**		<	3.2	U	<	3.2	U	<	2	U		**13**		<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN04-20D	36	17-Dec-08	EN0420D121708	Summa Canister	20.5	1.0	0.0	1.58	N	N	µg/m3	<	5.4	U		**340**		<	3.1	U	<	3.1	U	<	2.0	U		**13**		<	3.1	U	<	3.2	U	<	2.1	U	<	2.7	U	<	6.0	U
	EN04-20D	36	18-Feb-09	EN0420D021809	Summa Canister	19	0.6	0.1	1.57	N	N	µg/m3	<	5.3	U		**280**		<	3.1	U	<	3.1	U	<	2.0	U		**8.6**		<	3.1	U	<	3.2	U	<	2.1	U	<	2.7	U	<	6.0	U
	EN04-20D	36	10-Aug-09	EN0420D081009	Summa Canister	18.6	2.1	0.0	1.75	N	N	µg/m3	<	5.9	U		**150**		<	3.5	U	<	3.5	U	<	2.2	U		**6.3**		<	3.5	U	<	3.5	U	<	2.3	U	<	3	U	<	6.7	U
Designation **EN04-21**	EN04-21S	7.5	14-Oct-08	EN0421S101408	Summa Canister	19.0	1.5	0.0	1.68	N	N	µg/m3	<	5.7	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
Monitoring Well **EN-426**	EN04-21S	7.5	17-Dec-08	EN0421S121708	Summa Canister	20.4	0.5	0.0	1.55	N	N	µg/m3	<	5.2	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	2.7	U	<	5.9	U
	EN04-21S	7.5	18-Feb-09	EN0421S021809	Summa Canister	19.2	0.4	0.1	1.56	N	N	µg/m3	<	5.3	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	4.2	U	<	3.1	U	<	3.2	U	<	2.0	U	<	2.7	U	<	6.0	U
	EN04-21S	7.5	10-Aug-09	EN0421S081009	Summa Canister	17.5	2.6	0.0	1.69	N	N	µg/m3	<	5.7	U		**6**		<	3.4	U	<	3.4	U	<	2.2	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.5	U
	EN04-21D	23	14-Oct-08	EN0421D101408	Summa Canister	19.2	1.2	0.0	1.58	N	N	µg/m3	<	5.4	U		**400**		<	3.1	U	<	3.1	U	<	2.0	U		**17**		<	3.1	U	<	3.2	U	<	2.1	U	<	2.7	U	<	6.0	U
	EN04-21D	23	17-Dec-08	EN0421D121708	Summa Canister	20.2	1.3	0.0	1.58	N	N	µg/m3	<	5.4	U		**680**		<	3.1	U	<	3.1	U	<	2.0	U		**29**		<	3.1	U	<	3.2	U	<	2.1	U	<	2.7	U	<	6.0	U
	EN04-21D	23	18-Feb-09	EN0421D021809	Summa Canister	19.5	0.8	0.1	1.57	N	N	µg/m3	<	5.3	U		**550**		<	3.1	U	<	3.1	U	<	2.0	U		**19**		<	3.1	U	<	3.2	U	<	2.1	U	<	2.7	U	<	6.0	U
	EN04-21D	23	10-Aug-09	EN0421D081009	Summa Canister	18.5	1.7	0.0	1.72	N	N	µg/m3	<	5.8	U		**170**		<	3.4	U	<	3.4	U	<	2.2	U	<	4.7	U	<	3.4	U	<	3.5	U	<	2.3	U	<	3	U	<	6.6	U
Designation **EN04-22**	EN04-22S	8	15-Oct-08	EN0422S101508	Summa Canister	15.2	4.0	0.0	1.71	N	N	µg/m3		**19**			**580**			**260**			**16**		<	2.2	U		**44**		<	3.4	U	<	3.5	U	<	2.2	U	<	3	U		**8.2**	
Monitoring Well **EN-80, EN-393**	EN04-22S	8	17-Dec-08	EN0422S121708	Summa Canister	17.8	2.4	0.0	1.61	N	N	µg/m3	<	5.5	U		**150**			**92**			**6.1**		<	2.0	U		**17**		<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN04-22S	8	17-Feb-09	EN0422S021709	Summa Canister	18.2	1.5	0.1	1.6	N	N	µg/m3		**12**			**73**			**59**			**4.3**		<	2.0	U		**9.1**		<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.1	U
	EN04-22S	8	11-Aug-09	EN0422S081109	Summa Canister	16.2	3.4	0.0	1.81	N	N	µg/m3		**6.8**			**730**			**280**			**20**		<	2.3	U		**51**		<	3.6	U		**3.7**		<	2.4	U	<	3.1	U		**10**	
	EN04-22D	16	15-Oct-08	EN0422D101508	Summa Canister	14.4	5.1	0.0	3.42	N	N	µg/m3	<	12	U		**1,200**			**1,400**			**72**		<	4.4	U		**98**		<	6.8	U		**12**		<	4.5	U	<	5.9	U		**14**	
	EN04-22D	16	17-Dec-08	EN0422D121708	Summa Canister	17.1	3.3	0.0	1.61	N	N	µg/m3		**5.5**			**780**			**720**			**36**		<	2.0	U		**54**		<	3.2	U		**6.2**		<	2.1	U	<	2.8	U		**7.1**	
	EN04-22D	16	17-Feb-09	EN0422D021709	Summa Canister	17	2.4	0.0	1.58	N	N	µg/m3	<	5.4	U		**410**			**400**			**21**		<	2.0	U		**24**		<	3.1	U		**3.6**		<	2.1	U	<	2.7	U	<	6	U
	EN04-22D	16	11-Aug-09	EN0422D081109	Summa Canister	15.8	4.1	0.0	1.81	N	N	µg/m3		**8**			**860**			**760**			**52**		<	2.3	U		**76**		<	3.6	U		**7.4**		<	2.4	U	<	3.1	U		**9.6**	

Table C.1
Summary of Analytical Laboratory Data - Soil Vapor
Semiannual Report - Soil Vapor Monitoring
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene		Trichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene		Vinyl Chloride		1,1,1-Trichloroethane		1,1-Dichloroethene		1,1-Dichloroethane		Chloroethane		Methylene Chloride		Freon 113	
Designation **EN04-23**	EN04-23S	8	16-Oct-08	EN0423S101608	Summa Canister	17.6	3.7	0.0	1.68	N	N	µg/m3	<	5.7	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
Monitoring Well **EN-174**	EN04-23S	8	17-Dec-08	EN0423S121708	Summa Canister	19.9	2.0	0.0	1.55	N	N	µg/m3	<	5.2	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	2.7	U	<	5.9	U
	EN04-23S	8	16-Feb-09	EN0423S021609	Summa Canister	19.9	1.6	0.0	1.61	N	N	µg/m3	<	5.5	U	<	4.3	U	<	3.2	U	<	3.2	U	<	2.0	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN04-23S	8	11-Aug-09	EN0423S081109	Summa Canister	18.6	2.1	0.0	8.45	N	Y	µg/m3	<	5.7	U	<	4.5	U	<	3.4	U	<	3.4	U	<	2.2	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.5	U
	EN04-23D	23	16-Oct-08	EN0423D101608	Summa Canister	19.1	1.7	0.0	1.58	N	N	µg/m3		**21**			**560**			**160**			**8**		<	2	U	<	4.3	U	<	3.1	U		**22**		<	2.1	U	<	2.7	U	<	6	U
	EN04-23D	23	17-Dec-08	EN0423D121708	Summa Canister	19.5	1.9	0.0	1.58	N	N	µg/m3		**20**			**560**			**150**			**6.3**		<	2.0	U	<	4.3	U	<	3.1	U		**19**		<	2.1	U	<	2.7	U	<	6.0	U
	EN04-23D	23	16-Feb-09	EN0423D021609	Summa Canister	19.7	1.8	0.0	1.7	N	N	µg/m3		**22**			**480**			**130**			**7.6**		<	2.2	U	<	4.6	U	<	3.4	U		**21**		<	2.2	U	<	3	U	<	6.5	U
	EN04-23D	23	11-Aug-09	EN0423D081109	Summa Canister	18.5	2.0	0.0	8.95	N	Y	µg/m3		**13**			**360**			**100**			**5.4**		<	2.3	U	<	4.9	U	<	3.5	U		**17**		<	2.4	U	<	3.1	U	<	6.8	U
	EN04-23D Dup	23	11-Aug-09	DU2136081109	Summa Canister	18.5	2.0	0.0	8.9	N	Y	µg/m3		**13**			**360**			**120**			**5.6**		<	2.3	U	<	4.8	U	<	3.5	U		**18**		<	2.3	U	<	3.1	U	<	6.8	U
Designation **EN04-25**	EN04-25S	8	15-Oct-08	EN0425S101508	Summa Canister	16.0	3.5	0.0	1.68	N	N	µg/m3		**5.8**			**5.4**		<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
Monitoring Well **EN-395**	EN04-25S	8	17-Dec-08	EN0425S121708	Summa Canister	18.2	2.1	0.0	1.52	N	N	µg/m3	<	5.2	U	<	4.1	U	<	3.0	U	<	3.0	U	<	1.9	U	<	4.1	U	<	3.0	U	<	3.1	U	<	2.0	U	<	2.6	U	<	5.8	U
	EN04-25S	8	16-Feb-09	EN0425S021609	Summa Canister	18.5	2.0	0.0	1.88	N	N	µg/m3	<	6.4	U	<	5.0	U	<	3.7	U	<	3.7	U	<	2.4	U	<	5.1	U	<	3.7	U	<	3.8	U	<	2.5	U	<	3.3	U	<	7.2	U
	EN04-25S	8	11-Aug-09	EN0425S081109	Summa Canister	14.3	4.5	0.0	1.78	N	N	µg/m3		**7.7**			**5.7**		<	3.5	U	<	3.5	U	<	2.3	U	<	4.8	U	<	3.5	U	<	3.6	U	<	2.3	U	<	3.1	U	<	6.8	U
	EN04-25D	17.5	15-Oct-08	EN0425D101508	Summa Canister	18.1	1.8	0.6	1.68	N	N	µg/m3	<	5.7	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN04-25D	17.5	17-Dec-08	EN0425D121708	Summa Canister	19.6	0.8	0.0	1.64	N	N	µg/m3	<	5.6	U		**8.8**		<	3.2	U	<	3.2	U	<	2.1	U	<	4.5	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.3	U
	EN04-25D	17.5	16-Feb-09	EN0425D021609	Summa Canister	20	0.9	0.0	2.26	N	N	µg/m3	<	7.7	U	<	6.1	U	<	4.5	U	<	4.5	U	<	2.9	U	<	6.2	U	<	4.5	U	<	4.6	U	<	3	U	<	3.9	U	<	8.7	U
	EN04-25D	17.5	11-Aug-09	EN0425D081109	Summa Canister	16.3	2.6	0.0	1.7	N	N	µg/m3	<	5.8	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	3	U	<	6.5	U
Designation **EN04-26**	EN04-26S	8	16-Oct-08	EN0426S101608	Summa Canister	20.1	1.2	0.0	1.52	N	N	µg/m3		**14**			**1,400**		<	3	U	<	3	U	<	1.9	U		**100**		<	3	U	<	3.1	U	<	2	U	<	2.6	U		**33**	
Monitoring Well **EN-304**	EN04-26S	8	17-Dec-08	EN0426S121708	Summa Canister	20.5	0.3	0.0	1.71	N	N	µg/m3	<	5.8	U		**500**		<	3.4	U	<	3.4	U	<	2.2	U		**51**		<	3.4	U	<	3.5	U	<	2.2	U	<	3.0	U		**11**	
	EN04-26S	8	18-Feb-09	EN0426S021809	Summa Canister	19.9	0.9	0.0	1.56	N	N	µg/m3	<	5.3	U		**280**		<	3.1	U	<	3.1	U	<	2.0	U		**23**		<	3.1	U	<	3.2	U	<	2.0	U	<	2.7	U	<	6.0	U
	EN04-26S	8	10-Aug-09	EN0426S081009	Summa Canister	18.9	1.5	0.0	1.7	N	N	µg/m3		**17**			**1,300**		<	3.4	U	<	3.4	U	<	2.2	U		**99**		<	3.4	U	<	3.4	U	<	2.2	U	<	3	U		**14.0**	
	EN04-26D	14	16-Oct-08	EN0426D101608	Summa Canister	20.0	1.4	0.0	3.92	N	N	µg/m3		**21**			**2,700**		<	7.8	U	<	7.8	U	<	5	U		**150**		<	7.8	U	<	7.9	U	<	5.2	U	<	6.8	U		**52**	
	EN04-26D	14	17-Dec-08	EN0426D121708	Summa Canister	20.5	1.0	0.0	2.07	N	N	µg/m3		**12**			**1,800**		<	4.1	U	<	4.1	U	<	2.6	U		**87**		<	4.1	U	<	4.2	U	<	2.7	U	<	3.6	U		**16**	
	EN04-26D	14	18-Feb-09	EN0426D021809	Summa Canister	20.1	0.8	0.0	1.58	N	N	µg/m3		**7.1**			**1,000**		<	3.1	U	<	3.1	U	<	2	U		**52**		<	3.1	U	<	3.2	U	<	2.1	U	<	2.7	U		**10**	
	EN04-26D	14	10-Aug-09	EN0426D081009	Summa Canister	18.9	1.4	0.0	3.48	N	N	µg/m3		**14**			**2,000**		<	6.9	U	<	6.9	U	<	4.4	U		**110**		<	6.9	U	<	7	U	<	4.6	U	<	6	U		**26**	
Designation **EN04-27**	EN04-27S	8	15-Oct-08	EN0427S101508	Summa Canister	17.1	3.2	0.0	1.83	N	N	µg/m3		**110**			**710**		<	3.6	U	<	3.6	U	<	2.3	U		**120**		<	3.6	U	<	3.7	U	<	2.4	U	<	3.2	U	<	7.0	U
Monitoring Well **EN-417A**	EN04-27S Dup	8	15-Oct-08	DU3365101508	Summa Canister	17.1	3.2	0.0	1.83	N	N	µg/m3		**110**			**740**		<	3.6	U	<	3.6	U	<	2.3	U		**120**		<	3.6	U	<	3.7	U	<	2.4	U	<	3.2	U	<	7.0	U
	EN04-27S	8	17-Dec-08	EN0427S121708	Summa Canister	19.8	1.4	0.0	1.58	N	N	µg/m3		**33**			**230**		<	3.1	U	<	3.1	U	<	2.0	U		**43**		<	3.1	U	<	3.2	U		**2.8**		<	2.7	U	<	6.0	U
	EN04-27S	8	17-Feb-09	EN0427S021709	Summa Canister	19.5	1.3	0.0	1.51	N	N	µg/m3		**22**			**170**		<	3	U	<	3	U	<	1.9	U		**33**		<	3	U	<	3	U	<	2	U	<	2.6	U	<	5.8	U
	EN04-27S	8	10-Aug-09	EN0427S081009	Summa Canister	15.7	3.7	0.0	1.79	N	N	µg/m3		**140**			**740**		<	3.5	U	<	3.5	U	<	2.3	U		**110**		<	3.5	U	<	3.6	U	<	2.4	U	<	3.1	U	<	6.8	U
	EN04-27S Dup	8	10-Aug-09	DU34081081009	Summa Canister	15.7	3.7	0.0	1.75	N	N	µg/m3		**98**			**520**		<	3.5	U	<	3.5	U	<	2.2	U		**80**		<	3.5	U	<	3.5	U	<	2.3	U	<	3	U	<	6.7	U

Table C.1
Summary of Analytical Laboratory Data - Soil Vapor
Semiannual Report - Soil Vapor Monitoring
Comprehensive Operations, Maintenance, & Monitoring Program
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SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	Chloroethane	Methylene Chloride	Freon 113
Designation **EN07-28**	EN07-28S	7	16-Oct-08	EN0728S101608	Summa Canister	21.4	0.4	0.0	1.61	N	N	µg/m3	**380**	**18**	< 3.2 U	< 3.2 U	< 2 U	< 4.4 U	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
Monitoring Well **EN-387A**	EN07-28S	7	17-Dec-08	EN0728S121708	Summa Canister	20.4	0.5	0.0	1.58	N	N	µg/m3	**130**	**6.0**	< 3.1 U	< 3.1 U	< 2.0 U	< 4.3 U	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN07-28S	7	16-Feb-09	EN0728S021609	Summa Canister	20.9	0.3	0.0	1.29	N	N	µg/m3	**48**	< 3.5 U	< 2.6 U	< 2.6 U	< 1.6 U	< 3.5 U	< 2.6 U	< 2.6 U	< 1.7 U	< 2.2 U	< 4.9 U
	EN07-28S	7	7-Apr-09	EN0728S040709	Summa Canister	20.5	0.2	0.0	1.71	N	N	µg/m3	**65**	< 4.6 U	< 3.4 U	< 3.4 U	< 2.2 U	< 4.7 U	< 3.4 U	< 3.5 U	< 2.2 U	< 3.0 U	< 6.6 U
	EN07-28S	7	9-Jun-09	EN0728S060909	Summa Canister	19.3	0.4	0.0	1.96	N	N	µg/m3	**220**	**8.7**	< 3.9 U	< 3.9 U	< 2.5 U	< 5.3 U	< 3.9 U	< 4 U	< 2.6 U	< 3.4 U	< 7.5 U
	EN07-28S	7	11-Aug-09	EN0728S081109	Summa Canister	19.9	0.7	0.0	1.63	Y	Y	µg/m3	**410**	**20**	< 3.2 U	< 3.2 U	< 2.1 U	< 4.4 U	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.2 U
	EN07-28S	7	8-Oct-09	EN0728S100809	Summa Canister	19.4	0.5	0.0	1.68	N	N	µg/m3	**320**	**13**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN07-28D	19	16-Oct-08	EN0728D101608	Summa Canister	7.5	11.5	0.0	1.68	N	N	µg/m3	**2,200**	**220**	**170**	**30**	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN07-28D Dup	19	16-Oct-08	DU34628101608	Summa Canister	7.5	11.5	0.0	2.24	N	N	µg/m3	**2,300**	**220**	**180**	**31**	< 2.9 U	< 6.1 U	< 4.4 U	< 4.5 U	**3.2**	< 3.9 U	< 8.6 U
	EN07-28D	19	17-Dec-08	EN0728D121708	Summa Canister	9.1	9.4	0.0	1.77	N	N	µg/m3	**2,000**	**190**	**72**	**15**	< 2.3 U	< 4.8 U	< 3.5 U	< 3.6 U	< 2.3 U	< 3.1 U	< 6.8 U
	EN07-28D	19	16-Feb-09	EN0728D021609	Summa Canister	NM	NM	NM	2.18	N	N	µg/m3	< 7.4 U	< 5.8 U	< 4.3 U	< 4.3 U	< 2.8 U	< 5.9 U	< 4.3 U	< 4.4 U	< 2.9 U	< 3.8 U	< 8.4 U
	EN07-28D	19	7-Apr-09	EN0728D040709	Summa Canister	14.9	8.2	0.0	1.68	N	N	µg/m3	**1300**	**110**	**33**	**7.9**	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN07-28D	19	9-Jun-09	EN0728D060909	Summa Canister	14.1	4.0	0.0	1.75	N	N	µg/m3	**1200**	**92**	**39**	**11**	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN07-28D	19	11-Aug-09	EN0728D081109	Summa Canister	9.6	7.8	0.0	1.69	Y	Y	µg/m3	**1700**	**120**	**40**	**16**	< 2.2 U	< 4.6 U	< 3.4 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.5 U
	EN07-28D	19	8-Oct-09	EN0728D100809	Summa Canister	7.3	10.1	0.0	1.58	N	N	µg/m3	**1,400**	**110**	**39**	**9.7**	< 2 U	< 4.3 U	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6 U
Designation **EN04-29** **EN05-29**	EN05-29S	8	15-Oct-08	EN0529S101508	Summa Canister	18.7	1.5	0.0	1.61	N	N	µg/m3	< 5.5 U	**700**	< 3.2 U	< 3.2 U	< 2 U	**53**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
Monitoring Well **EN-437**	EN05-29S	8	16-Dec-08	EN0429S121608	Summa Canister	19.6	1.0	0.0	1.55	N	N	µg/m3	< 5.2 U	**230**	< 3.1 U	< 3.1 U	< 2.0 U	**19**	< 3.1 U	< 3.1 U	< 2.0 U	< 2.7 U	< 5.9 U
	EN05-29S	8	17-Feb-09	EN0529S021709	Summa Canister	19.4	0.4	0.0	1.62	N	N	µg/m3	**31**	**120**	< 3.2 U	< 3.2 U	< 2.1 U	**8.0**	< 3.2 U	< 3.3 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN05-29S	8	7-Apr-09	EN0429S040709	Summa Canister	20.1	0.9	0.0	1.68	N	N	µg/m3	< 5.7 U	**150**	< 3.3 U	< 3.3 U	< 2.1 U	**12**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN05-29S	8	8-Jun-09	EN0529S060809	Summa Canister	17.7	0.9	0.0	2.21	N	N	µg/m3	< 7.5 U	**300**	< 4.4 U	< 4.4 U	< 2.8 U	**23**	< 4.4 U	< 4.5 U	< 2.9 U	< 3.8 U	< 8.5 U
	EN05-29S Dup	8	8-Jun-09	DU3331060809	Summa Canister	17.7	0.9	0.0	1.79	N	N	µg/m3	< 6.1 U	**420**	< 3.5 U	< 3.5 U	< 2.3 U	**29**	< 3.5 U	< 3.6 U	< 2.4 U	< 3.1 U	< 6.8 U
	EN05-29S	8	12-Aug-09	EN0529S081209	Summa Canister	19.2	1.1	0.0	1.76	N	Y	µg/m3	< 6 U	**640**	< 3.5 U	< 3.5 U	< 2.2 U	**45**	< 3.5 U	< 3.6 U	< 2.3 U	< 3 U	< 6.7 U
	EN05-29S	8	6-Oct-09	EN0529S100609	Summa Canister	18.7	1.7	0.0	1.68	N	N	µg/m3	< 5.7 U	**640**	< 3.3 U	< 3.3 U	< 2.1 U	**41**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-29D	20	15-Oct-08	EN0429D101508	Summa Canister	17.9	1.7	0.0	4.02	N	N	µg/m3	< 14 U	**2,200**	< 8 U	< 8 U	< 5.1 U	**160**	< 8 U	< 8.1 U	< 5.3 U	< 7 U	< 15 U
	EN04-29D Dup	20	15-Oct-08	DU3361101508	Summa Canister	17.9	1.7	0.0	4.02	N	N	µg/m3	< 14 U	**2,200**	< 8 U	< 8 U	< 5.1 U	**170**	< 8 U	< 8.1 U	< 5.3 U	< 7 U	< 15 U
	EN04-29D	20	16-Dec-08	EN0429D121608	Summa Canister	20.2	0.9	0.0	1.55	N	N	µg/m3	< 5.2 U	**610**	< 3.1 U	< 3.1 U	< 2.0 U	**39**	< 3.1 U	< 3.1 U	< 2.0 U	< 2.7 U	< 5.9 U
	EN04-29D Dup	20	16-Dec-08	DU3323121608	Summa Canister	20.2	0.9	0.0	1.55	N	N	µg/m3	< 5.2 U	**630**	< 3.1 U	< 3.1 U	< 2.0 U	**40**	< 3.1 U	< 3.1 U	< 2.0 U	< 2.7 U	< 5.9 U
	EN04-29D	20	17-Feb-09	EN0429D021709	Summa Canister	19.2	0.6	0.1	1.70	N	N	µg/m3	< 5.8 U	**700**	< 3.4 U	< 3.4 U	< 2.2 U	**43**	< 3.4 U	< 3.4 U	< 2.2 U	< 3.0 U	< 6.5 U
	EN04-29D	20	7-Apr-09	EN0429D040709	Summa Canister	20.3	0.9	0.0	1.64	N	N	µg/m3	**7.2**	**200**	< 3.2 U	< 3.2 U	< 2.1 U	**12**	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.3 U
	EN04-29D	20	8-Jun-09	EN0429D060809	Summa Canister	17.9	0.9	0.0	1.68	N	N	µg/m3	< 5.7 U	**1,300**	**3.6**	< 3.3 U	< 2.1 U	**110**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-29D	20	12-Aug-09	EN0429D081209	Summa Canister	18.0	2.1	0.0	1.76	N	Y	µg/m3	< 6 U	**150**	< 3.5 U	< 3.5 U	< 2.2 U	**8.9**	< 3.5 U	< 3.6 U	< 2.3 U	< 3.0 U	< 6.7 U
	EN04-29D	20	6-Oct-09	EN0429D100609	Summa Canister	20.4	0.4	0.0	6.44	N	N	µg/m3	< 22 U	**3,500**	< 13 U	< 13 U	< 8.2 U	**200**	< 13 U	< 13 U	< 8.5 U	< 11 U	< 25 U

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SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	Chloroethane	Methylene Chloride	Freon 113
Designation **EN04-30**	EN04-30S	9	15-Oct-08	EN0430S101508	Summa Canister	20.0	0.3	0.0	1.68	N	N	µg/m3	< 5.7 U	**1,800**	**5.1**	< 3.3 U	< 2.1 U	**15**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
Monitoring Well **EN-438**	EN04-30S	9	16-Dec-08	EN0430S121608	Summa Canister	20.6	0.1	0.0	1.75	N	N	µg/m3	< 5.9 U	**520**	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3.0 U	< 6.7 U
	EN04-30S	9	17-Feb-09	EN0430S021709	Summa Canister	19.8	0.0	0.1	1.57	N	N	µg/m3	< 5.3 U	**45**	< 3.1 U	< 3.1 U	< 2.0 U	< 4.3 U	< 3.1 U	< 3.2 U	< 2.1 U	**19**	< 6.0 U
	EN04-30S	9	7-Apr-09	EN0430S040709	Summa Canister	21.6	0.2	0.0	1.64	N	N	µg/m3	< 5.6 U	**260**	< 3.2 U	< 3.2 U	< 2.1 U	< 4.5 U	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.3 U
	EN04-30S	9	9-Jun-09	EN0430S060909	Summa Canister	20.1	0.3	0.0	1.71	N	N	µg/m3	< 5.8 U	**1,200**	< 3.4 U	< 3.4 U	< 2.2 U	**8.5**	< 3.4 U	< 3.5 U	< 2.2 U	< 3 U	< 6.6 U
	EN04-30S	9	12-Aug-09	EN0430S081209	Summa Canister	19.5	0.5	0.0	3.01	N	N	µg/m3	**12**	**2,300**	**7.5**	< 6 U	< 3.8 U	**20**	< 6 U	< 6.1 U	< 4 U	< 5.2 U	< 12 U
	EN04-30S	9	7-Oct-09	EN0430S100709	Summa Canister	20.2	0.6	0.0	2.87	N	N	µg/m3	< 9.7 U	**1,900**	< 5.7 U	< 5.7 U	< 3.7 U	**13**	< 5.7 U	< 5.8 U	< 3.8 U	< 5 U	< 11 U
	EN04-30D	20	15-Oct-08	EN0430D101508	Summa Canister	20.3	0.1	0.0	1.68	N	N	µg/m3	**52**	**1,500**	**26**	< 3.3 U	< 2.1 U	**120**	< 3.3 U	**9.4**	< 2.2 U	< 2.9 U	**7.8**
	EN04-30D	20	16-Dec-08	EN0430D121608	Summa Canister	20.6	0.6	0.0	1.39	N	N	µg/m3	**39**	**1,100**	**14**	< 2.8 U	< 1.8 U	**48**	< 2.8 U	**4.4**	< 1.8 U	< 2.4 U	< 5.3 U
	EN04-30D	20	17-Feb-09	EN0430D021709	Summa Canister	19.7	0.1	0.1	1.61	N	N	µg/m3	**37**	**760**	**12**	< 3.2 U	< 2.0 U	**26**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-30D	20	7-Apr-09	EN0430D040709	Summa Canister	21.7	0.3	0.0	1.58	N	N	µg/m3	**19**	**520**	**10**	< 3.1 U	< 2.0 U	**36**	< 3.1 U	**4**	< 2.1 U	< 2.7 U	< 6 U
	EN04-30D	20	9-Jun-09	EN0430D060909	Summa Canister	20.2	0.2	0.0	1.68	N	N	µg/m3	**32**	**710**	**21**	< 3.3 U	< 2.1 U	**82**	**4.4**	**7.2**	< 2.2 U	< 2.9 U	**8.9**
	EN04-30D	20	12-Aug-09	EN0430D081209	Summa Canister	19.5	0.4	0.0	1.72	N	N	µg/m3	**47**	**930**	**18**	< 3.4 U	< 2.2 U	**100**	< 3.4 U	**8.7**	< 2.3 U	< 3 U	**9.1**
	EN04-30D	20	7-Oct-09	EN0430D100709	Summa Canister	19.8	0.9	0.0	3.42	N	N	µg/m3	**68**	**1,500**	**25**	< 6.8 U	< 4.4 U	**140**	< 6.8 U	**23**	< 4.5 U	< 5.9 U	< 13 U
	EN04-30D Dup	20	7-Oct-09	DU3830100709	Summa Canister	19.8	0.9	0.0	1.68	N	N	µg/m3	**72**	**1,500**	**28**	< 3.3 U	< 2.1 U	**150**	< 3.3 U	**25**	< 2.2 U	< 2.9 U	**11.0**
Designation **EN04-31**	EN04-31S	10	15-Oct-08	EN0431S101508	Summa Canister	20.1	0.3	0.0	1.68	N	N	µg/m3	< 5.7 U	< 4.5 U	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
Monitoring Well **EN-453**	EN04-31S	10	16-Dec-08	EN0431S121608	Summa Canister	20.5	0.2	0.0	1.52	N	N	µg/m3	< 5.2 U	< 4.1 U	< 3 U	< 3 U	< 1.9 U	< 4.1 U	< 3.0 U	< 3.1 U	< 2.0 U	< 2.6 U	< 5.8 U
	EN04-31S	10	16-Feb-09	EN0431S021609	Summa Canister	19.6	0.1	0.0	1.58	N	N	µg/m3	< 5.4 U	< 4.2 U	< 3.1 U	< 3.1 U	< 2.0 U	< 4.3 U	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-31S	10	8-Jun-09	EN0431S060809	Summa Canister	18.6	0.1	0.0	3.01	N	N	µg/m3	< 10 U	< 8.1 U	< 6 U	< 6 U	< 3.8 U	< 8.2 U	< 6 U	< 6.1 U	< 4 U	< 5.2 U	< 12.0 U
	EN04-31S	10	12-Aug-09	EN0431S081209	Summa Canister	20.6	0.1	0.0	8.05	N	Y	µg/m3	< 5.5 U	< 4.3 U	< 3.2 U	< 3.2 U	< 2.0 U	< 4.4 U	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN04-31S	10	6-Oct-09	EN0431S100609	Summa Canister	20.8	0.1	0.0	1.75	N	N	µg/m3	< 5.9 U	< 4.7 U	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN04-31D	19	15-Oct-08	EN0431D101508	Summa Canister	20.3	0.1	0.0	1.64	N	N	µg/m3	< 5.6 U	**92**	< 3.2 U	< 3.2 U	< 2.1 U	**6.8**	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.3 U
	EN04-31D	19	16-Dec-08	EN0431D121608	Summa Canister	20.6	0.3	0.0	1.41	N	N	µg/m3	< 4.8 U	**430**	**2.8**	< 2.8 U	< 1.8 U	**12**	< 2.8 U	< 2.8 U	< 1.9 U	< 2.4 U	< 5.4 U
	EN04-31D	19	16-Feb-09	EN0431D021609	Summa Canister	19.7	0.1	0.1	1.7	N	N	µg/m3	< 5.8 U	**940**	**6.6**	< 3.4 U	< 2.2 U	**40**	< 3.4 U	< 3.4 U	< 2.2 U	< 3 U	< 6.5 U
	EN04-31D	19	8-Jun-09	EN0431D060809	Summa Canister	18.4	0.1	0.0	2.12	N	N	µg/m3	< 7.2 U	**180**	< 4.2 U	< 4.2 U	< 2.7 U	**7.3**	< 4.2 U	< 4.3 U	< 2.8 U	< 3.7 U	< 8.1 U
	EN04-31D	19	12-Aug-09	EN0431D081209	Summa Canister	20.6	0.3	0.0	8.2	N	Y	µg/m3	< 5.6 U	**190**	< 3.2 U	< 3.2 U	< 2.1 U	**10**	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.3 U
	EN04-31D	19	6-Oct-09	EN0431D100609	Summa Canister	20.6	0.2	0.0	1.75	N	N	µg/m3	< 5.9 U	**190**	< 3.5 U	< 3.5 U	< 2.2 U	**7.5**	< 3.5 U	< 3.5 U	< 2.3 U	< 3.0 U	< 6.7 U

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SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	Chloroethane	Methylene Chloride	Freon 113
Designation **EN04-32**	EN04-32S	8	15-Oct-08	EN0432S101508	Summa Canister	19.4	0.7	0.0	1.68	N	N	µg/m3	< 5.7 U	**270**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
Monitoring Well **EN-457**	EN04-32S	8	16-Dec-08	EN0432S121608	Summa Canister	20.3	0.6	0.0	1.52	N	N	µg/m3	< 5.2 U	**110**	< 3.0 U	< 3.0 U	< 1.9 U	< 4.1 U	< 3.0 U	< 3.1 U	< 2.0 U	< 2.6 U	< 5.8 U
	EN04-32S	8	17-Feb-09	EN0432S021709	Summa Canister	20.3	0.3	0.0	1.56	N	N	µg/m3	< 5.3 U	**64**	< 3.1 U	< 3.1 U	< 2.0 U	< 4.2 U	< 3.1 U	< 3.2 U	< 2.0 U	< 2.7 U	< 6.0 U
	EN04-32S Dup	8	17-Feb-09	DU36570021709	Summa Canister	20.3	0.3	0.0	1.56	N	N	µg/m3	< 5.3 U	**64**	< 3.1 U	< 3.1 U	< 2.0 U	< 4.2 U	< 3.1 U	< 3.2 U	< 2.0 U	< 2.7 U	< 6.0 U
	EN04-32S	8	8-Jun-09	EN0432S060809	Summa Canister	18.3	0.6	0.0	1.68	N	N	µg/m3	< 5.7 U	**230**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-32S	8	12-Aug-09	EN0432S081209	Summa Canister	19.2	1.1	0.0	8.4	N	N	µg/m3	< 5.7 U	**290**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-32S	8	6-Oct-09	EN0432S100609	Summa Canister	19.7	0.8	0.0	1.68	N	N	µg/m3	< 5.7 U	**290**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-32D	18	15-Oct-08	EN0432D101508	Summa Canister	19.3	0.7	0.0	1.58	N	N	µg/m3	**12**	**1,100**	< 3.1 U	< 3.1 U	< 2.0 U	**13**	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-32D	18	16-Dec-08	EN0432D121608	Summa Canister	20.2	0.7	0.0	1.58	N	N	µg/m3	< 5.4 U	**1,000**	< 3.1 U	< 3.1 U	< 2.0 U	**12**	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-32D	18	17-Feb-09	EN0432D021709	Summa Canister	20.9	0.2	0.0	1.68	N	N	µg/m3	< 5.7 U	**660**	< 3.3 U	< 3.3 U	< 2.1 U	**6.4**	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN04-32D	18	8-Jun-09	EN0432D060809	Summa Canister	18.3	0.5	0.0	1.58	N	N	µg/m3	**18**	**750**	< 3.1 U	< 3.1 U	< 2.0 U	**9.1**	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN04-32D	18	12-Aug-09	EN0432D081209	Summa Canister	19.4	0.6	0.0	8.55	N	N	µg/m3	< 5.8 U	**410**	< 3.4 U	< 3.4 U	< 2.2 U	**5.1**	< 3.4 U	< 3.5 U	< 2.2 U	< 3 U	< 6.6 U
	EN04-32D Dup	18	12-Aug-09	DU3456081209	Summa Canister	19.4	0.6	0.0	8.55	N	N	µg/m3	< 5.8 U	**670**	< 3.4 U	< 3.4 U	< 2.2 U	**7.7**	< 3.4 U	< 3.5 U	< 2.2 U	< 3 U	< 6.6 U
	EN04-32D	18	6-Oct-09	EN0432D100609	Summa Canister	20.1	0.5	0.0	1.71	N	N	µg/m3	< 5.8 U	**900**	< 3.4 U	< 3.4 U	< 2.2 U	**9.1**	< 3.4 U	< 3.5 U	< 2.2 U	< 3 U	< 6.6 U
Designation **EN05-33**	EN05-33S	7.5	14-Oct-08	EN0533S101408	Summa Canister	19.2	0.8	0.0	1.71	N	N	µg/m3	**13**	**110**	< 3.4 U	< 3.4 U	< 2.2 U	**8.2**	< 3.4 U	< 3.5 U	< 2.2 U	< 3 U	< 6.6 U
Monitoring Well **EN-162**	EN05-33S	7.5	16-Dec-08	EN0533S121608	Summa Canister	20.5	0.6	0.0	1.49	N	N	µg/m3	< 5.0 U	**32**	< 3.0 U	< 3.0 U	< 1.9 U	< 4.1 U	< 3.0 U	< 3.0 U	< 2.0 U	< 2.6 U	< 5.7 U
	EN05-33S Dup	7.5	16-Dec-08	DU3375121608	Summa Canister	20.5	0.6	0.0	1.49	N	N	µg/m3	< 5.0 U	**30**	< 3.0 U	< 3.0 U	< 1.9 U	< 4.1 U	< 3.0 U	< 3.0 U	< 2.0 U	< 2.6 U	< 5.7 U
	EN05-33S	7.5	18-Feb-09	EN0533S021809	Summa Canister	19.7	0.2	0.1	1.69	N	N	µg/m3	**46**	**16**	< 3.4 U	< 3.4 U	< 2.2 U	< 4.6 U	< 3.4 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.5 U
	EN05-33S	7.5	6-Apr-09	EN0533S040609	Summa Canister	20.8	0.6	0.0	1.68	N	N	µg/m3	< 5.7 U	**24**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN05-33S	7.5	9-Jun-09	EN0533S060909	Summa Canister	19.7	0.5	0.0	2.01	N	N	µg/m3	**27**	**90**	< 4 U	< 4 U	< 2.6 U	< 5.5 U	< 4 U	< 4.1 U	< 2.6 U	< 3.5 U	< 7.7 U
	EN05-33S	7.5	11-Aug-09	EN0533S081109	Summa Canister	19.5	0.8	0.0	1.78	N	Y	µg/m3	**21**	**120**	< 3.5 U	< 3.5 U	< 2.3 U	**5.8**	< 3.5 U	< 3.6 U	< 2.3 U	< 3.1 U	< 6.8 U
	EN05-33S	7.5	7-Oct-09	EN0533S100709	Summa Canister	20.1	0.8	0.0	2.35	N	N	µg/m3	**13**	**90**	< 4.6 U	< 4.6 U	< 3 U	**7.1**	< 4.6 U	< 4.8 U	< 3.1 U	< 4.1 U	< 9 U
	EN05-33D	32	14-Oct-08	EN0533D101408	Summa Canister	19.0	0.7	0.0	9.37	N	N	µg/m3	**330**	**7,200**	**36**	< 18 U	< 12 U	**360**	< 18 U	< 19 U	< 12 U	< 16 U	< 36 U
	EN05-33D	32	16-Dec-08	EN0533D121608	Summa Canister	20.2	1.2	0.0	10.1	N	N	µg/m3	**370**	**7,600**	**27**	< 20 U	< 13 U	**330**	< 20 U	< 20 U	< 13 U	< 18 U	< 39 U
	EN05-33D	32	18-Feb-09	EN0533D021809	Summa Canister	19.4	0.8	0.1	9.14	N	N	µg/m3	**280**	**6,800**	< 18 U	< 18 U	< 12 U	**240**	< 18 U	< 18 U	< 12 U	< 16 U	< 35 U
	EN05-33D	32	6-Apr-09	EN0533D040609	Summa Canister	20.6	0.9	0.0	11.7	N	N	µg/m3	**280**	**6,200**	**23**	< 23 U	< 15 U	**280**	< 23 U	< 24 U	< 15 U	< 20 U	< 45 U
	EN05-33D	32	9-Jun-09	EN0533D060909	Summa Canister	19.3	0.3	0.0	10.4	N	N	µg/m3	**290**	**5,700**	**23**	< 21 U	< 13 U	**270**	< 21 U	< 21 U	< 14 U	< 18 U	< 40 U
	EN05-33D Dup	32	9-Jun-09	DU3354060909	Summa Canister	19.3	0.3	0.0	9.15	N	Y	µg/m3	**280**	**5,700**	**21**	< 18 U	< 12 U	**260**	< 18 U	< 18 U	< 12 U	< 16 U	< 35 U
	EN05-33D	32	11-Aug-09	EN0533D081109	Summa Canister	20.4	0.5	0.0	7.16	N	N	µg/m3	**260**	**5,000**	**23**	< 14 U	< 9.2 U	**240**	< 14 U	< 14 U	< 9.4 U	< 12 U	< 27 U
	EN05-33D	32	7-Oct-09	EN0533D100709	Summa Canister	20.3	0.8	0.0	4.29	N	N	µg/m3	**94**	**2,400**	< 8.5 U	< 8.5 U	< 5.5 U	**82**	< 8.5 U	< 8.7 U	< 5.7 U	< 7.4 U	< 16 U

Table C.1
Summary of Analytical Laboratory Data - Soil Vapor
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SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	Chloroethane	Methylene Chloride	Freon 113
Designation **EN05-34**	EN05-34S	8	15-Oct-08	EN0534S101508	Summa Canister	19.3	0.8	0.0	1.68	N	N	µg/m3	< 5.7 U	**17**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
Monitoring Well **EN-304**	EN05-34S	8	17-Dec-08	EN0534S121708	Summa Canister	20.5	0.3	0.0	1.68	N	N	µg/m3	< 5.7 U	**5.3**	< 3.3 U	< 3.3 U	< 2.1 U	< 4.6 U	< 3.3 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.4 U
	EN05-34S	8	17-Feb-09	EN0534S021709	Summa Canister	20.4	0.3	0.0	1.54	N	N	µg/m3	< 5.2 U	< 4.1 U	< 3.0 U	< 3.0 U	< 2.0 U	< 4.2 U	< 3.0 U	< 3.1 U	< 2.0 U	< 2.7 U	< 5.9 U
	EN05-34S	8	7-Apr-09	EN0534S040709	Summa Canister	20.5	0.5	0.0	1.64	N	N	µg/m3	< 5.6 U	**12**	< 3.2 U	< 3.2 U	< 2.1 U	< 4.5 U	< 3.2 U	< 3.3 U	< 2.2 U	< 2.8 U	< 6.3 U
	EN05-34S	8	9-Jun-09	EN0534S060909	Summa Canister	19.3	0.7	0.0	1.75	N	N	µg/m3	**32**	**12**	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN05-34S	8	10-Aug-09	EN0534S081009	Summa Canister	19.0	1.3	0.0	8.9	N	N	µg/m3	< 6 U	**14**	< 3.5 U	< 3.5 U	< 2.3 U	< 4.8 U	< 3.5 U	< 3.6 U	< 2.3 U	< 3.1 U	< 6.8 U
	EN05-34S	8	7-Oct-09	EN0534S100709	Summa Canister	20.2	1.0	0.0	1.61	N	N	µg/m3	< 5.5 U	**13**	< 3.2 U	< 3.2 U	< 2 U	< 4.4 U	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN05-34D	13.5	15-Oct-08	EN0534D101508	Summa Canister	19.0	1.1	0.0	1.71	N	N	µg/m3	**35**	**460**	< 3.4 U	< 3.4 U	< 2.2 U	**45**	< 3.4 U	< 3.5 U	< 2.2 U	< 3.0 U	**34**
	EN05-34D	13.5	17-Dec-08	EN0534D121708	Summa Canister	20.5	1.0	0.0	1.61	N	N	µg/m3	**27**	**360**	< 3.2 U	< 3.2 U	< 2 U	**34**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	**25**
	EN05-34D	13.5	17-Feb-09	EN0534D021709	Summa Canister	20.5	0.6	0.0	1.52	N	N	µg/m3	**13**	**190**	< 3.0 U	< 3.0 U	< 1.9 U	**13**	< 3.0 U	< 3.1 U	< 2.0 U	< 2.6 U	< 5.8 U
	EN05-34D	13.5	7-Apr-09	EN0534D040709	Summa Canister	20.2	0.7	0.0	1.58	N	N	µg/m3	**13**	**170**	< 3.1 U	< 3.1 U	< 2 U	**14**	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6 U
	EN05-34D	13.5	9-Jun-09	EN0534D060909	Summa Canister	19.9	0.3	0.0	1.87	N	N	µg/m3	**23**	**280**	< 3.7 U	< 3.7 U	< 2.4 U	**19**	< 3.7 U	< 3.8 U	< 2.5 U	< 3.2 U	< 7.2 U
	EN05-34D	13.5	10-Aug-09	EN0534D081009	Summa Canister	19.4	0.9	0.0	8.45	N	N	µg/m3	**30**	**290**	< 3.4 U	< 3.4 U	< 2.2 U	**23**	< 3.4 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.5 U
	EN05-34D	13.5	7-Oct-09	EN0534D100709	Summa Canister	19.9	1.3	0.0	1.34	N	N	µg/m3	**21**	**210**	< 2.6 U	< 2.6 U	< 1.7 U	**15**	< 2.6 U	< 2.7 U	< 1.8 U	< 2.3 U	< 5.1 U
	EN05-34D Dup	13.5	7-Oct-09	DU3358100709	Summa Canister	19.9	1.3	0.0	1.79	N	N	µg/m3	**31**	**330**	< 3.5 U	< 3.5 U	< 2.3 U	**22**	< 3.5 U	< 3.6 U	< 2.4 U	< 3.1 U	< 6.8 U
Designation **EN06-35**	EN06-35S	8	14-Oct-08	EN0635S101408	Summa Canister	20.0	1.1	0.0	1.71	N	N	µg/m3	< 5.8 U	< 4.6 U	< 3.4 U	< 3.4 U	< 2.2 U	< 4.7 U	< 3.4 U	< 3.5 U	< 2.2 U	< 3.0 U	< 6.6 U
Monitoring Well **EN-460A**	EN06-35S	8	16-Dec-08	EN0635S121608	Summa Canister	19.8	1.9	0.0	1.58	N	N	µg/m3	< 5.4 U	< 4.2 U	< 3.1 U	< 3.1 U	< 2.0 U	< 4.3 U	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6.0 U
	EN06-35S	8	16-Feb-09	EN0635S021609	Summa Canister	19.7	0.2	0.1	1.53	N	N	µg/m3	< 5.2 U	< 4.1 U	< 3.0 U	< 3 U	< 2.0 U	< 4.2 U	< 3.0 U	< 3.1 U	< 2 U	< 2.6 U	< 5.9 U
	EN06-35S	8	11-Aug-09	EN0635S081109	Summa Canister	19.2	1.1	0.0	1.75	N	N	µg/m3	< 5.9 U	< 4.7 U	< 3.5 U	< 3.5 U	< 2.2 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
	EN06-35D	34	14-Oct-08	EN0635D101408	Summa Canister	19.4	1.8	0.0	1.61	N	N	µg/m3	< 5.5 U	**140**	< 3.2 U	< 3.2 U	< 2 U	**22**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN06-35D	34	16-Dec-08	EN0635D121608	Summa Canister	20.4	0.6	0.0	1.49	N	N	µg/m3	< 5.0 U	**150**	< 3.0 U	< 3.0 U	< 1.9 U	**38**	< 3.0 U	< 3.0 U	< 2.0 U	< 2.6 U	< 5.7 U
	EN06-35D	34	16-Feb-09	EN0635D021609	Summa Canister	19.5	1	0.1	1.58	N	N	µg/m3	< 5.4 U	**180**	< 3.1 U	< 3.1 U	< 2 U	**50**	< 3.1 U	< 3.2 U	< 2.1 U	< 2.7 U	< 6 U
	EN06-35D	34	11-Aug-09	EN0635D081109	Summa Canister	19.4	0.7	0.0	1.75	N	N	µg/m3	< 5.9 U	**99**	< 3.5 U	< 3.5 U	< 2.2 U	**18**	< 3.5 U	< 3.5 U	< 2.3 U	< 3 U	< 6.7 U
Designation **EN06-36**	EN06-36S	8	14-Oct-08	EN0636S101408	Summa Canister	19.7	1.2	0.0	2.23	N	N	µg/m3	7.6 UJ	6 UJ	4.4 UJ	4.4 UJ	2.8 UJ	12 J	4.4 UJ	4.5 UJ	2.9 UJ	3.9 UJ	8.5 UJ
Monitoring Well **EN-459A**	EN06-36S	8	16-Dec-08	EN0636S121608	Summa Canister	20.4	0.8	0.0	1.61	N	N	µg/m3	< 5.5 U	< 4.3 U	< 3.2 U	< 3.2 U	< 2.0 U	**5.3**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN06-36S Dup	8	16-Dec-08	DU3324121608	Summa Canister	20.4	0.8	0.0	1.71	N	N	µg/m3	< 5.8 U	< 4.6 U	< 3.4 U	< 3.4 U	< 2.2 U	**5.7**	< 3.4 U	< 3.5 U	< 2.2 U	< 3.0 U	< 6.6 U
	EN06-36S	8	11-Aug-09	EN0636S081109	Summa Canister	18.5	1.3	0.0	1.78	N	N	µg/m3	< 6 U	< 4.8 U	< 3.5 U	< 3.5 U	< 2.3 U	**8.4**	< 3.5 U	< 3.6 U	< 2.3 U	< 3.1 U	< 6.8 U
	EN06-36D	33	14-Oct-08	EN0636D101408	Summa Canister	19.8	1.3	0.0	1.61	N	N	µg/m3	< 5.5 U	**310**	**6**	< 3.2 U	< 2 U	**330**	< 3.2 U	< 3.2 U	< 2.1 U	< 2.8 U	< 6.2 U
	EN06-36D	33	16-Dec-08	EN0636D121608	Summa Canister	20.1	1.6	0.0	1.52	N	N	µg/m3	< 5.2 U	**400**	**6.2**	< 3.0 U	< 1.9 U	**400**	< 3.0 U	< 3.1 U	< 2.0 U	< 2.6 U	< 5.8 U
	EN06-36D	33	16-Feb-09	EN0636D021609	Summa Canister	17.7	1.3	0.0	1.47	N	N	µg/m3	< 5 U	**410**	**7.7**	< 2.9 U	< 1.9 U	**420**	**29.0**	**3.4**	< 1.9 U	< 2.6 U	< 5.6 U
	EN06-36D	33	11-Aug-09	EN0636D081109	Summa Canister	19.1	0.9	0.0	1.69	N	N	µg/m3	< 5.7 U	**230**	**3.9**	< 3.4 U	< 2.2 U	**220**	< 3.4 U	< 3.4 U	< 2.2 U	< 2.9 U	< 6.5 U

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SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene		Trichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene		Vinyl Chloride		1,1,1-Trichloroethane		1,1-Dichloroethene		1,1-Dichloroethane		Chloroethane		Methylene Chloride		Freon 113	
Designation **EN06-37**	EN06-37S	8	16-Oct-08	EN0637S101608	Summa Canister	20.1	1.2	0.0	1.87	N	N	µg/m3	<	6.3	U	<	5	U	<	3.7	U	<	3.7	U	<	2.4	U	<	5.1	U	<	3.7	U	<	3.8	U	<	2.5	U	<	3.2	U	<	7.2	U
Monitoring Well **EN-394**	EN06-37S	8	17-Dec-08	EN0637S121708	Summa Canister	20.4	0.7	0.0	1.52	N	N	µg/m3		**72**		<	4.1	U	<	3.0	U	<	3.0	U	<	1.9	U	<	4.1	U	<	3.0	U	<	3.1	U	<	2.0	U	<	2.6	U	<	5.8	U
	EN06-37S	8	16-Feb-09	EN0637S021609	Summa Canister	20.8	0.5	0.0	1.76	N	N	µg/m3	<	6.0	U	<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.6	U	<	2.3	U	<	3.0	U	<	6.7	U
	EN06-37S	8	7-Apr-09	EN0637S040709	Summa Canister	20.5	0.6	0.0	1.75	N	N	µg/m3	<	5.9	U	<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	3.0	U	<	6.7	U
	EN06-37S	8	9-Jun-09	EN0637S060909	Summa Canister	19.2	1.2	0.0	1.79	N	N	µg/m3		**89**		<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	4.9	U	<	3.5	U	<	3.6	U	<	2.4	U	<	3.1	U	<	6.8	U
	EN06-37S	8	11-Aug-09	EN0637S081109	Summa Canister	18.5	2.1	0.0	8.5	N	Y	µg/m3	<	5.8	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	3.0	U	<	6.5	U
	EN06-37S	8	8-Oct-09	EN0637S100809	Summa Canister	18.8	1.6	0.0	1.75	N	N	µg/m3	<	5.9	U	<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	3.0	U	<	6.7	U
	EN06-37D	21	16-Oct-08	EN0637D101608	Summa Canister	18.6	2.3	0.0	1.64	N	N	µg/m3		**16**			**37**			**35**		<	3.2	U	<	2.1	U	<	4.5	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.3	U
	EN06-37D Dup	21	16-Oct-08	DU36377101608	Summa Canister	18.6	2.3	0.0	1.64	N	N	µg/m3		**17**			**38**			**35**		<	3.2	U	<	2.1	U	<	4.5	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.3	U
	EN06-37D	21	17-Dec-08	EN0637D121708	Summa Canister	18.6	2.8	0.0	1.61	N	N	µg/m3		**24**			**52**			**35**		<	3.2	U	<	2.0	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	EN06-37D	21	16-Feb-09	EN0637D021609	Summa Canister	18.7	2.1	0.0	1.73	N	N	µg/m3		**22**			**40**			**24**		<	3.4	U	<	2.2	U	<	4.7	U	<	3.4	U	<	3.5	U	<	2.3	U	<	3.0	U	<	6.6	U
	EN06-37D	21	7-Apr-09	EN0637D040709	Summa Canister	18.3	2	0.0	1.64	N	N	µg/m3		**18**			**33**			**19**		<	3.2	U	<	2.1	U	<	4.5	U	<	3.2	U	<	3.3	U	<	2.2	U	<	2.8	U	<	6.3	U
	EN06-37D	21	9-Jun-09	EN0637D060909	Summa Canister	17.1	1.9	0.0	1.71	N	N	µg/m3		**15**			**27**			**16**		<	3.4	U	<	2.2	U	<	4.7	U	<	3.4	U	<	3.5	U	<	2.2	U	<	3.0	U	<	6.6	U
	EN06-37D	21	11-Aug-09	EN0637D081109	Summa Canister	17.8	2.3	0.0	8.3	N	Y	µg/m3		**26**			**31**			**17**		<	3.3	U	<	2.1	U	<	4.5	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
	EN06-37D	21	8-Oct-09	EN0637D100809	Summa Canister	17.0	3.0	0.0	1.68	N	N	µg/m3		**15**			**31**			**16**		<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U
Equipment Blanks	Equipment Blank		14-Oct-08	EB3332101408	Summa Canister				1.96			µg/m3	<	6.6	U	<	5.3	U	<	3.9	U	<	3.9	U	<	2.5	U	<	5.3	U	<	3.9	U	<	4	U	<	2.6	U	<	3.4	U	<	7.5	U
	Equipment Blank		15-Oct-08	EB1440101508	Summa Canister				1.71			µg/m3	<	5.8	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	4.7	U	<	3.4	U	<	3.5	U	<	2.2	U	<	3	U	<	6.6	U
	Equipment Blank		16-Oct-08	EB36429101608	Summa Canister				1.58			µg/m3	<	5.4	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2	U	<	4.3	U	<	3.1	U	<	3.2	U	<	2.1	U	<	2.7	U	<	6	U
	Equipment Blank		15-Dec-08	EB3358121508	Summa Canister				1.49			µg/m3	<	5.0	U	<	4.0	U	<	3.0	U	<	3.0	U	<	1.9	U	<	4.1	U	<	3.0	U	<	3.0	U	<	2.0	U	<	2.6	U	<	5.7	U
	Equipment Blank		16-Dec-08	EB31758121608	Summa Canister				2.11			µg/m3	<	7.2	U	<	5.7	U	<	4.2	U	<	4.2	U	<	2.7	U	<	5.8	U	<	4.2	U	<	4.3	U	<	2.8	U	<	3.7	U	<	8.1	U
	Equipment Blank		17-Dec-08	EB2054121708	Summa Canister				1.55			µg/m3	<	5.2	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2.0	U	<	2.7	U	<	5.9	U
	Equipment Blank		16-Feb-09	EB3338021609	Summa Canister				1.62			µg/m3	<	5.5	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	4.4	U	<	3.2	U	<	3.3	U	<	2.1	U	<	2.8	U	<	6.2	U
	Equipment Blank		17-Feb-09	EB24392021709	Summa Canister				1.44			µg/m3	<	4.9	U	<	3.9	U	<	2.8	U	<	2.8	U	<	1.8	U	<	3.9	U	<	2.8	U	<	2.9	U	<	1.9	U	<	2.5	U	<	5.5	U
	Equipment Blank		18-Feb-09	EB3299021809	Summa Canister				1.62			µg/m3	<	5.5	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	4.4	U	<	3.2	U	<	3.3	U	<	2.1	U	<	2.8	U	<	6.2	U
	Equipment Blank		6-Apr-09	EB1354040609	Summa Canister				1.75			µg/m3	<	5.9	U	<	4.7	U	<	3.5	U	<	3.5	U	<	2.2	U	<	4.8	U	<	3.5	U	<	3.5	U	<	2.3	U	<	3.0	U	<	6.7	U
	Equipment Blank		7-Apr-09	EB3338040709	Summa Canister				1.58			µg/m3	<	5.8	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	4.7	U	<	3.4	U	<	3.5	U	<	2.2	U	<	3.0	U	<	6.6	U
	Equipment Blank		8-Jun-09	EB9383060809	Summa Canister				1.58			µg/m3	<	5.4	U	<	4.2	U	<	3.1	U	<	3.1	U	<	2	U	<	4.3	U	<	3.1	U	<	3.2	U	<	2.1	U	<	2.7	U	<	6	U
	Equipment Blank		9-Jun-09	EB25280060909	Summa Canister				1.71			µg/m3	<	5.8	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	4.7	U	<	3.4	U	<	3.5	U	<	2.2	U	<	3.0	U	<	6.6	U
	Equipment Blank		10-Aug-09	EB35556081009	Summa Canister				1.71			µg/m3	<	5.8	U	<	4.6	U	<	3.4	U	<	3.4	U	<	2.2	U	<	4.7	U	<	3.4	U	<	3.5	U	<	2.2	U	<	3.0	U	<	6.6	U

Table C.1
Summary of Analytical Laboratory Data - Soil Vapor
Semiannual Report - Soil Vapor Monitoring
Comprehensive Operations, Maintenance, & Monitoring Program
Endicott, New York

SV Mon Point Designation	Sampling Point Designation	Sampling Depth	Sampling Date	Field Sample ID	Sample Type	O_2 (%)	CO_2 (%)	CH_4 (%)	Dilution Factor	SF_6 Applied?	He Applied?	Units of VOC Results	Tetrachloroethene		Trichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene		Vinyl Chloride		1,1,1-Trichloroethane		1,1-Dichloroethene		1,1-Dichloroethane		Chloroethane		Methylene Chloride		Freon 113	
Equipment Blanks continued	Equipment Blank		11-Aug-09	EB3356081109	Summa Canister				8.05			µg/m3	<	5.5	U	<	4.3	U	<	3.2	U	<	3.2	U	<	2	U	<	4.4	U	<	3.2	U	<	3.2	U	<	2.1	U	<	2.8	U	<	6.2	U
	Equipment Blank		12-Aug-09	EB3299081209	Summa Canister				8.4			µg/m3	<	5.7	U	<	4.5	U	<	3.3	U	<	3.3	U	<	2.1	U	<	4.6	U	<	3.3	U	<	3.4	U	<	2.2	U	<	2.9	U	<	6.4	U

Notes:
1. This table is a summary of the findings of the program of long-term soil vapor monitoring conducted as part of the Comprehensive Operations, Management, and Monitoring Program associated with IBM's activities in Endicott, New York. The work is being conducted as a required component of Administrative Order on Consent executed by IBM and the State of New York on August 4, 2004. The long-term soil vapor monitoring program is being conducted in accordance with SHA's "Soil Vapor Monitoring Plan", of September 2004. Refer to the report text for additional details.

2. The vapor samples were collected on the dates noted using evacuated canister sampling techniques (Summa® Canisters). The Summa® canister samples were analyzed by Air Toxics LTD., of Folsom, California for the project-specific list of VOCs using EPA Compendium Method TO-15 standard (full-scan) methods at dilution factors noted. The data are reported by the laboratory with the following flags: B= analyte detected in the associated laboratory method blank, J=denotes an estimated value indicating that the compound was detected, but below the limit of quantitation. U = compound was not detected at the specified limit of quantitation. Vapor sampling during the time period noted in this table was performed by SHA.

3. This table is an abbreviated summary of the soil vapor monitoring. Data reported were collected in routine monitoring events during the October 2008 to October 2009 calendar year.

4. As noted on the table by a "Y" entry in the "SF_6 Applied?" and "He Applied?" columns, tracer gas was used during the sample collection process to screen for possible leakage of ambient air into the sample collection apparatus. The ultra pure (98%) tracer gas was applied to the ground surface around the soil vapor implant surface completion either during collection of the Summa Canister sample or after the collection of a sample canister into a Tedlar bag. The canister/Tedlar bag samples were analyzed for SF_6 using proprietary ATL GC Application #8 at Air Toxics, LTD, of Folsom, California during the initial rounds of sampling. Helium tracer gas was analyzed in the field using a helium leak detector. The results of this testing are reported in the table expressed as a percentage of the sample volume. Samples exhibiting greater than one percent SF_6 are flagged as possible low bias that could result from leakage into the sampling apparatus during collection, introduction of the tracer gas through the soil fabric driven by density and pressure gradients, or through other means. The results and flagging may indicate potential low bias for the results of VOC analysis.

APPENDIX C.2

ANALYTICAL LABORATORY REPORTS ON COMPACT DISC (SELECT COPIES)

SHA
IMPROVING EARTH

Air Toxics LTD.
Laboratory Services Since 1989

6/23/2009
Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street

Portland ME 04101

Project Name: GVP
Project #: 2755.03
Workorder #: 0906281A

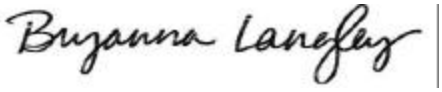
Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 6/12/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 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 you air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

WORK ORDER #: 0906281A

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	06/12/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	06/22/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	EN043S060809	Modified TO-15	5.0 "Hg	5psi
02A	EN043D060809	Modified TO-15	5.5 "Hg	5psi
03A	EN041S060809	Modified TO-15	4.5 "Hg	5psi
04A	EN041D060809	Modified TO-15	5.5 "Hg	5psi
05A	EN0431S060809	Modified TO-15	7.0 "Hg	5psi
06A	EN0431D060809	Modified TO-15	7.0 "Hg	5psi
07A	EN0529S060809	Modified TO-15	6.5 "Hg	5psi
07AA	EN0529S060809 Lab Duplicate	Modified TO-15	6.5 "Hg	5psi
08A	DU3331060809	Modified TO-15	7.5 "Hg	5psi
09A	EN0429D060809	Modified TO-15	6.0 "Hg	5psi
10A	EN049S060809	Modified TO-15	5.5 "Hg	5psi
11A	EN049D060809	Modified TO-15	6.0 "Hg	5psi
12A	EN0411S060809	Modified TO-15	1.0 "Hg	5psi
12AA	EN0411S060809 Lab Duplicate	Modified TO-15	1.0 "Hg	5psi
13A	EN0411D060809	Modified TO-15	5.0 "Hg	5psi
14A	EN0432S060809	Modified TO-15	6.0 "Hg	5psi
15A	EN0432D060809	Modified TO-15	4.5 "Hg	5psi

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0906281A

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	06/12/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	06/22/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
16A	EB9383060809	Modified TO-15	4.5 "Hg	5psi
17A	EN0430S060909	Modified TO-15	6.5 "Hg	5psi
18A	EN0430D060909	Modified TO-15	6.0 "Hg	5psi
19A	EN042S060909	Modified TO-15	4.5 "Hg	5psi
20A	Lab Blank	Modified TO-15	NA	NA
20B	Lab Blank	Modified TO-15	NA	NA
21A	CCV	Modified TO-15	NA	NA
21B	CCV	Modified TO-15	NA	NA
22A	LCS	Modified TO-15	NA	NA
22AA	LCSD	Modified TO-15	NA	NA
22B	LCS	Modified TO-15	NA	NA
22BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 06/23/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Sanborn, Head & Associates
Workorder# 0906281A

Nineteen 1 Liter Summa Canister (100% Certified) samples were received on June 12, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for sample EB9383060809 did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

Analytical Notes

There were no analytical discrepancies.

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 no 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

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN043S060809

Lab ID#: 0906281A-01A

No Detections Were Found.

Client Sample ID: EN043D060809

Lab ID#: 0906281A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	1.2	1.5	4.0	5.2
Trichloroethene	1.2	2.0	6.2	11

Client Sample ID: EN041S060809

Lab ID#: 0906281A-03A

No Detections Were Found.

Client Sample ID: EN041D060809

Lab ID#: 0906281A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.0	3.1	5.5	17
Trichloroethene	1.0	19	5.4	100

Client Sample ID: EN0431S060809

Lab ID#: 0906281A-05A

No Detections Were Found.

Client Sample ID: EN0431D060809

Lab ID#: 0906281A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.1	1.3	5.8	7.3
Trichloroethene	1.1	34	5.7	180

Client Sample ID: EN0529S060809

Lab ID#: 0906281A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0529S060809

Lab ID#: 0906281A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.1	4.2	6.0	23
Trichloroethene	1.1	55	5.9	300

Client Sample ID: EN0529S060809 Lab Duplicate

Lab ID#: 0906281A-07AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.1	4.0	6.0	22
Trichloroethene	1.1	54	5.9	290

Client Sample ID: DU3331060809

Lab ID#: 0906281A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.90	5.3	4.9	29
Trichloroethene	0.90	78	4.8	420

Client Sample ID: EN0429D060809

Lab ID#: 0906281A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.84	0.91	3.3	3.6
1,1,1-Trichloroethane	0.84	20	4.6	110
Trichloroethene	0.84	250	4.5	1300

Client Sample ID: EN049S060809

Lab ID#: 0906281A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethane	3.3	4.4	13	18
cis-1,2-Dichloroethene	3.3	3.4	13	14
1,1,1-Trichloroethane	3.3	37	18	200
Trichloroethene	3.3	780	18	4200
Tetrachloroethene	3.3	16	22	110

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN049D060809

Lab ID#: 0906281A-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	3.4	24	13	96
1,1-Dichloroethane	3.4	32	14	130
cis-1,2-Dichloroethene	3.4	120	13	460
1,1,1-Trichloroethane	3.4	92	18	500
Trichloroethene	3.4	1100	18	6100
Tetrachloroethene	3.4	67	23	460

Client Sample ID: EN0411S060809

Lab ID#: 0906281A-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.70	1.0	3.8	5.5
Trichloroethene	0.70	15	3.7	80

Client Sample ID: EN0411S060809 Lab Duplicate

Lab ID#: 0906281A-12AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	2.8	14	15	76

Client Sample ID: EN0411D060809

Lab ID#: 0906281A-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.6	7.1	8.8	38
Trichloroethene	1.6	260	8.6	1400
Tetrachloroethene	1.6	5.3	11	36

Client Sample ID: EN0432S060809

Lab ID#: 0906281A-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	42	4.5	230

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0432D060809

Lab ID#: 0906281A-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.79	1.7	4.3	9.1
Trichloroethene	0.79	140	4.2	750
Tetrachloroethene	0.79	2.7	5.4	18

Client Sample ID: EB9383060809

Lab ID#: 0906281A-16A

No Detections Were Found.

Client Sample ID: EN0430S060909

Lab ID#: 0906281A-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.86	1.6	4.7	8.5
Trichloroethene	0.86	230	4.6	1200

Client Sample ID: EN0430D060909

Lab ID#: 0906281A-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	0.84	1.1	3.3	4.4
Freon 113	0.84	1.2	6.4	8.9
1,1-Dichloroethane	0.84	1.8	3.4	7.2
cis-1,2-Dichloroethene	0.84	5.3	3.3	21
1,1,1-Trichloroethane	0.84	15	4.6	82
Trichloroethene	0.84	130	4.5	710
Tetrachloroethene	0.84	4.7	5.7	32

Client Sample ID: EN042S060909

Lab ID#: 0906281A-19A

No Detections Were Found.

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN043S060809

Lab ID#: 0906281A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062006**	**Date of Collection: 6/8/09 8:07:00 AM**	
Dil. Factor:	**2.58**	**Date of Analysis: 6/20/09 12:12 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
Chloroethane	1.3	Not Detected	3.4	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Freon 113	1.3	Not Detected	9.9	Not Detected
Methylene Chloride	1.3	Not Detected	4.5	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.2	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Trichloroethene	1.3	Not Detected	6.9	Not Detected
Tetrachloroethene	1.3	Not Detected	8.8	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN043D060809

Lab ID#: 0906281A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062007**	**Date of Collection: 6/8/09 8:07:00 AM**	
Dil. Factor:	**2.31**	**Date of Analysis: 6/20/09 12:55 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
Chloroethane	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Freon 113	1.2	Not Detected	8.8	Not Detected
Methylene Chloride	1.2	1.5	4.0	5.2
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.3	Not Detected
Trichloroethene	1.2	2.0	6.2	11
Tetrachloroethene	1.2	Not Detected	7.8	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN041S060809

Lab ID#: 0906281A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062008**	**Date of Collection: 6/8/09 10:29:00 AM**	
Dil. Factor:	**3.08**	**Date of Analysis: 6/20/09 01:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.5	Not Detected	3.9	Not Detected
Chloroethane	1.5	Not Detected	4.1	Not Detected
1,1-Dichloroethene	1.5	Not Detected	6.1	Not Detected
Freon 113	1.5	Not Detected	12	Not Detected
Methylene Chloride	1.5	Not Detected	5.4	Not Detected
1,1-Dichloroethane	1.5	Not Detected	6.2	Not Detected
cis-1,2-Dichloroethene	1.5	Not Detected	6.1	Not Detected
1,1,1-Trichloroethane	1.5	Not Detected	8.4	Not Detected
Trichloroethene	1.5	Not Detected	8.3	Not Detected
Tetrachloroethene	1.5	Not Detected	10	Not Detected
trans-1,2-Dichloroethene	1.5	Not Detected	6.1	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN041D060809

Lab ID#: 0906281A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062009**	**Date of Collection: 6/8/09 10:29:00 AM**	
Dil. Factor:	**2.03**	**Date of Analysis: 6/20/09 02:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
Chloroethane	1.0	Not Detected	2.7	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Freon 113	1.0	Not Detected	7.8	Not Detected
Methylene Chloride	1.0	Not Detected	3.5	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	1.0	3.1	5.5	17
Trichloroethene	1.0	19	5.4	100
Tetrachloroethene	1.0	Not Detected	6.9	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0431S060809

Lab ID#: 0906281A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062010**	**Date of Collection: 6/8/09 12:42:00 PM**	
Dil. Factor:	**3.01**	**Date of Analysis: 6/20/09 03:18 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.5	Not Detected	3.8	Not Detected
Chloroethane	1.5	Not Detected	4.0	Not Detected
1,1-Dichloroethene	1.5	Not Detected	6.0	Not Detected
Freon 113	1.5	Not Detected	12	Not Detected
Methylene Chloride	1.5	Not Detected	5.2	Not Detected
1,1-Dichloroethane	1.5	Not Detected	6.1	Not Detected
cis-1,2-Dichloroethene	1.5	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.5	Not Detected	8.2	Not Detected
Trichloroethene	1.5	Not Detected	8.1	Not Detected
Tetrachloroethene	1.5	Not Detected	10	Not Detected
trans-1,2-Dichloroethene	1.5	Not Detected	6.0	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0431D060809

Lab ID#: 0906281A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062011**	**Date of Collection: 6/8/09 12:42:00 PM**	
Dil. Factor:	**2.12**	**Date of Analysis: 6/20/09 04:03 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.1	Not Detected	2.7	Not Detected
Chloroethane	1.1	Not Detected	2.8	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Freon 113	1.1	Not Detected	8.1	Not Detected
Methylene Chloride	1.1	Not Detected	3.7	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.3	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	1.1	1.3	5.8	7.3
Trichloroethene	1.1	34	5.7	180
Tetrachloroethene	1.1	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0529S060809

Lab ID#: 0906281A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062012**	**Date of Collection: 6/8/09 2:33:00 PM**	
Dil. Factor:	**2.21**	**Date of Analysis: 6/20/09 05:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
Chloroethane	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Freon 113	1.1	Not Detected	8.5	Not Detected
Methylene Chloride	1.1	Not Detected	3.8	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.5	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
1,1,1-Trichloroethane	1.1	4.2	6.0	23
Trichloroethene	1.1	55	5.9	300
Tetrachloroethene	1.1	Not Detected	7.5	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0529S060809 Lab Duplicate

Lab ID#: 0906281A-07AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062013**	**Date of Collection: 6/8/09 2:33:00 PM**	
Dil. Factor:	**2.21**	**Date of Analysis: 6/20/09 06:23 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
Chloroethane	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Freon 113	1.1	Not Detected	8.5	Not Detected
Methylene Chloride	1.1	Not Detected	3.8	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.5	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
1,1,1-Trichloroethane	1.1	4.0	6.0	22
Trichloroethene	1.1	54	5.9	290
Tetrachloroethene	1.1	Not Detected	7.5	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU3331060809

Lab ID#: 0906281A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062006**	**Date of Collection: 6/8/09 2:33:00 PM**	
Dil. Factor:	**1.79**	**Date of Analysis: 6/20/09 11:29 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.90	5.3	4.9	29
Trichloroethene	0.90	78	4.8	420
Tetrachloroethene	0.90	Not Detected	6.1	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0429D060809

Lab ID#: 0906281A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062007**	**Date of Collection: 6/8/09 2:39:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 6/20/09 12:05 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	0.91	3.3	3.6
1,1,1-Trichloroethane	0.84	20	4.6	110
Trichloroethene	0.84	250	4.5	1300
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN049S060809

Lab ID#: 0906281A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062010**	**Date of Collection: 6/8/09 3:15:00 PM**	
Dil. Factor:	**6.56**	**Date of Analysis: 6/20/09 01:52 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.3	Not Detected	8.4	Not Detected
Chloroethane	3.3	Not Detected	8.6	Not Detected
1,1-Dichloroethene	3.3	Not Detected	13	Not Detected
Freon 113	3.3	Not Detected	25	Not Detected
Methylene Chloride	3.3	Not Detected	11	Not Detected
1,1-Dichloroethane	3.3	4.4	13	18
cis-1,2-Dichloroethene	3.3	3.4	13	14
1,1,1-Trichloroethane	3.3	37	18	200
Trichloroethene	3.3	780	18	4200
Tetrachloroethene	3.3	16	22	110
trans-1,2-Dichloroethene	3.3	Not Detected	13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN049D060809

Lab ID#: 0906281A-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062009**	**Date of Collection: 6/8/09 3:15:00 PM**	
Dil. Factor:	**6.72**	**Date of Analysis: 6/20/09 01:17 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.4	Not Detected	8.6	Not Detected
Chloroethane	3.4	Not Detected	8.9	Not Detected
1,1-Dichloroethene	3.4	24	13	96
Freon 113	3.4	Not Detected	26	Not Detected
Methylene Chloride	3.4	Not Detected	12	Not Detected
1,1-Dichloroethane	3.4	32	14	130
cis-1,2-Dichloroethene	3.4	120	13	460
1,1,1-Trichloroethane	3.4	92	18	500
Trichloroethene	3.4	1100	18	6100
Tetrachloroethene	3.4	67	23	460
trans-1,2-Dichloroethene	3.4	Not Detected	13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0411S060809

Lab ID#: 0906281A-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062014**	**Date of Collection: 6/8/09 4:25:00 PM**	
Dil. Factor:	**1.39**	**Date of Analysis: 6/20/09 04:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.70	Not Detected	1.8	Not Detected
Chloroethane	0.70	Not Detected	1.8	Not Detected
1,1-Dichloroethene	0.70	Not Detected	2.8	Not Detected
Freon 113	0.70	Not Detected	5.3	Not Detected
Methylene Chloride	0.70	Not Detected	2.4	Not Detected
1,1-Dichloroethane	0.70	Not Detected	2.8	Not Detected
cis-1,2-Dichloroethene	0.70	Not Detected	2.8	Not Detected
1,1,1-Trichloroethane	0.70	1.0	3.8	5.5
Trichloroethene	0.70	15	3.7	80
Tetrachloroethene	0.70	Not Detected	4.7	Not Detected
trans-1,2-Dichloroethene	0.70	Not Detected	2.8	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0411S060809 Lab Duplicate

Lab ID#: 0906281A-12AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062011**	**Date of Collection: 6/8/09 4:25:00 PM**	
Dil. Factor:	**5.56**	**Date of Analysis: 6/20/09 02:28 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.8	Not Detected	7.1	Not Detected
Chloroethane	2.8	Not Detected	7.3	Not Detected
1,1-Dichloroethene	2.8	Not Detected	11	Not Detected
Freon 113	2.8	Not Detected	21	Not Detected
Methylene Chloride	2.8	Not Detected	9.6	Not Detected
1,1-Dichloroethane	2.8	Not Detected	11	Not Detected
cis-1,2-Dichloroethene	2.8	Not Detected	11	Not Detected
1,1,1-Trichloroethane	2.8	Not Detected	15	Not Detected
Trichloroethene	2.8	14	15	76
Tetrachloroethene	2.8	Not Detected	19	Not Detected
trans-1,2-Dichloroethene	2.8	Not Detected	11	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0411D060809

Lab ID#: 0906281A-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062012**	**Date of Collection: 6/8/09 4:25:00 PM**	
Dil. Factor:	**3.22**	**Date of Analysis: 6/20/09 03:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.6	Not Detected	4.1	Not Detected
Chloroethane	1.6	Not Detected	4.2	Not Detected
1,1-Dichloroethene	1.6	Not Detected	6.4	Not Detected
Freon 113	1.6	Not Detected	12	Not Detected
Methylene Chloride	1.6	Not Detected	5.6	Not Detected
1,1-Dichloroethane	1.6	Not Detected	6.5	Not Detected
cis-1,2-Dichloroethene	1.6	Not Detected	6.4	Not Detected
1,1,1-Trichloroethane	1.6	7.1	8.8	38
Trichloroethene	1.6	260	8.6	1400
Tetrachloroethene	1.6	5.3	11	36
trans-1,2-Dichloroethene	1.6	Not Detected	6.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0432S060809

Lab ID#: 0906281A-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062013**	**Date of Collection: 6/8/09 5:19:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 6/20/09 03:40 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	42	4.5	230
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0432D060809

Lab ID#: 0906281A-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062015**	**Date of Collection: 6/8/09 5:19:00 PM**	
Dil. Factor:	**1.58**	**Date of Analysis: 6/20/09 05:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.79	Not Detected	2.0	Not Detected
Chloroethane	0.79	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Freon 113	0.79	Not Detected	6.0	Not Detected
Methylene Chloride	0.79	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.79	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.79	1.7	4.3	9.1
Trichloroethene	0.79	140	4.2	750
Tetrachloroethene	0.79	2.7	5.4	18
trans-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EB9383060809

Lab ID#: 0906281A-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062016**	**Date of Collection: 6/8/09 6:58:00 PM**	
Dil. Factor:	**1.58**	**Date of Analysis: 6/20/09 05:40 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.79	Not Detected	2.0	Not Detected
Chloroethane	0.79	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Freon 113	0.79	Not Detected	6.0	Not Detected
Methylene Chloride	0.79	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.79	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Trichloroethene	0.79	Not Detected	4.2	Not Detected
Tetrachloroethene	0.79	Not Detected	5.4	Not Detected
trans-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	123	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0430S060909

Lab ID#: 0906281A-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062020**	**Date of Collection: 6/9/09 7:39:00 AM**	
Dil. Factor:	**1.71**	**Date of Analysis: 6/20/09 08:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.86	1.6	4.7	8.5
Trichloroethene	0.86	230	4.6	1200
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	120	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0430D060909

Lab ID#: 0906281A-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062018**	**Date of Collection: 6/9/09 7:39:00 AM**	
Dil. Factor:	**1.68**	**Date of Analysis: 6/20/09 06:55 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	1.1	3.3	4.4
Freon 113	0.84	1.2	6.4	8.9
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	1.8	3.4	7.2
cis-1,2-Dichloroethene	0.84	5.3	3.3	21
1,1,1-Trichloroethane	0.84	15	4.6	82
Trichloroethene	0.84	130	4.5	710
Tetrachloroethene	0.84	4.7	5.7	32
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN042S060909

Lab ID#: 0906281A-19A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062019**	**Date of Collection: 6/9/09 8:00:00 AM**	
Dil. Factor:	**1.58**	**Date of Analysis: 6/20/09 07:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.79	Not Detected	2.0	Not Detected
Chloroethane	0.79	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Freon 113	0.79	Not Detected	6.0	Not Detected
Methylene Chloride	0.79	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.79	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Trichloroethene	0.79	Not Detected	4.2	Not Detected
Tetrachloroethene	0.79	Not Detected	5.4	Not Detected
trans-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0906281A-20A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 11:21 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0906281A-20B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 10:45 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0906281A-21A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 09:32 AM**	

Compound	**%Recovery**
Vinyl Chloride	85
Chloroethane	85
1,1-Dichloroethene	96
Freon 113	100
Methylene Chloride	97
1,1-Dichloroethane	92
cis-1,2-Dichloroethene	95
1,1,1-Trichloroethane	106
Trichloroethene	113
Tetrachloroethene	97
trans-1,2-Dichloroethene	91

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0906281A-21B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 08:47 AM**	

Compound	%Recovery
Vinyl Chloride	103
Chloroethane	98
1,1-Dichloroethene	113
Freon 113	100
Methylene Chloride	108
1,1-Dichloroethane	108
cis-1,2-Dichloroethene	111
1,1,1-Trichloroethane	112
Trichloroethene	119
Tetrachloroethene	115
trans-1,2-Dichloroethene	109

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0906281A-22A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 10:06 AM**	

Compound	**%Recovery**
Vinyl Chloride	75
Chloroethane	70
1,1-Dichloroethene	93
Freon 113	98
Methylene Chloride	93
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	96
Trichloroethene	80
Tetrachloroethene	86
trans-1,2-Dichloroethene	80

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0906281A-22AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 10:46 AM**	

Compound	**%Recovery**
Vinyl Chloride	76
Chloroethane	76
1,1-Dichloroethene	93
Freon 113	97
Methylene Chloride	93
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	94
Trichloroethene	82
Tetrachloroethene	87
trans-1,2-Dichloroethene	80

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0906281A-22B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 09:23 AM**	

Compound	**%Recovery**
Vinyl Chloride	89
Chloroethane	88
1,1-Dichloroethene	111
Freon 113	103
Methylene Chloride	104
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	109
1,1,1-Trichloroethane	104
Trichloroethene	106
Tetrachloroethene	103
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0906281A-22BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y062004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 09:59 AM**	

Compound	**%Recovery**
Vinyl Chloride	92
Chloroethane	89
1,1-Dichloroethene	111
Freon 113	103
Methylene Chloride	103
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	109
1,1,1-Trichloroethane	103
Trichloroethene	108
Tetrachloroethene	107
trans-1,2-Dichloroethene	99

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

6/23/2009
Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street

Portland ME 04101

Project Name: GVP
Project #: 2755.03
Workorder #: 0906281B

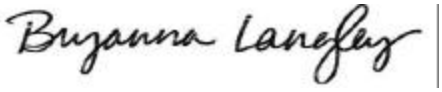
Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 6/12/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 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 you air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

WORK ORDER #: 0906281B

Work Order Summary

CLIENT: Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street
Portland, ME 04101

BILL TO: Accounts Payable
Sanborn, Head & Associates
20 Foundry Street
Concord, NH 03301

PHONE: 207-761-9300
FAX:

DATE RECEIVED: 06/12/2009
DATE COMPLETED: 06/23/2009

P.O. # BCT2755
PROJECT # 2755.03 GVP
CONTACT: Bryanna Langley

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
20A	EN042D060909	Modified TO-15	5.0 "Hg	5psi
21A	EN0533S060909	Modified TO-15	10.0 "Hg	5psi
22A	EN0533D060909	Modified TO-15	8.0 "Hg	5psi
23A	DU3354060909	Modified TO-15	8.0 "Hg	5psi
24A	EN0417D060909	Modified TO-15	7.5 "Hg	5psi
25A	DU3372060909	Modified TO-15	7.5 "Hg	5psi
26A	EN0417S060909	Modified TO-15	7.5 "Hg	5psi
26AA	EN0417S060909 Lab Duplicate	Modified TO-15	7.5 "Hg	5psi
27A	EN0534S060909	Modified TO-15	7.0 "Hg	5psi
28A	EN0534D060909	Modified TO-15	8.5 "Hg	5psi
29A	EN0728S060909	Modified TO-15	9.5 "Hg	5psi
30A	EN0728D060909	Modified TO-15	7.0 "Hg	5psi
30AA	EN0728D060909 Lab Duplicate	Modified TO-15	7.0 "Hg	5psi
31A	EN0637S060909	Modified TO-15	7.5 "Hg	5psi
32A	EN0637D060909	Modified TO-15	6.5 "Hg	5psi
33A	EN0412S060909	Modified TO-15	6.5 "Hg	5psi
34A	EN0412D060909	Modified TO-15	6.0 "Hg	5psi

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0906281B

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	06/12/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	06/23/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
34AA	EN0412D060909 Lab Duplicate	Modified TO-15	6.0 "Hg	5psi
35A	EN047S060909	Modified TO-15	6.0 "Hg	5psi
36A	EN047D060909	Modified TO-15	7.0 "Hg	5psi
37A	EB25280060909	Modified TO-15	6.5 "Hg	5psi
38A	Lab Blank	Modified TO-15	NA	NA
38B	Lab Blank	Modified TO-15	NA	NA
38C	Lab Blank	Modified TO-15	NA	NA
38D	Lab Blank	Modified TO-15	NA	NA
39A	CCV	Modified TO-15	NA	NA
39B	CCV	Modified TO-15	NA	NA
39C	CCV	Modified TO-15	NA	NA
39D	CCV	Modified TO-15	NA	NA
40A	LCS	Modified TO-15	NA	NA
40AA	LCSD	Modified TO-15	NA	NA
40B	LCS	Modified TO-15	NA	NA
40BB	LCSD	Modified TO-15	NA	NA
40C	LCS	Modified TO-15	NA	NA
40CC	LCSD	Modified TO-15	NA	NA
40D	LCS	Modified TO-15	NA	NA
40DD	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 06/23/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15
Sanborn, Head & Associates
Workorder# 0906281B

Eighteen 1 Liter Summa Canister (100% Certified) samples were received on June 12, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

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 no 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

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Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN042D060909

Lab ID#: 0906281B-20A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.80	1.7	4.4	9.3
Trichloroethene	0.80	22	4.3	120
Tetrachloroethene	0.80	12	5.5	79

Client Sample ID: EN0533S060909

Lab ID#: 0906281B-21A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.0	17	5.4	90
Tetrachloroethene	1.0	4.0	6.8	27

Client Sample ID: EN0533D060909

Lab ID#: 0906281B-22A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.2	5.8	21	23
1,1,1-Trichloroethane	5.2	49	28	270
Trichloroethene	5.2	1100	28	5700
Tetrachloroethene	5.2	43	35	290

Client Sample ID: DU3354060909

Lab ID#: 0906281B-23A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	4.6	5.4	18	21
1,1,1-Trichloroethane	4.6	48	25	260
Trichloroethene	4.6	1000	24	5700
Tetrachloroethene	4.6	42	31	280

Client Sample ID: EN0417D060909

Lab ID#: 0906281B-24A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.90	11	4.8	60

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0417D060909

Lab ID#: 0906281B-24A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.90	1.6	6.1	10

Client Sample ID: DU3372060909

Lab ID#: 0906281B-25A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.90	1.0	4.9	5.7
Trichloroethene	0.90	56	4.8	300

Client Sample ID: EN0417S060909

Lab ID#: 0906281B-26A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.90	0.97	4.9	5.3
Trichloroethene	0.90	55	4.8	300

Client Sample ID: EN0417S060909 Lab Duplicate

Lab ID#: 0906281B-26AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.90	0.91	4.9	5.0
Trichloroethene	0.90	56	4.8	300

Client Sample ID: EN0534S060909

Lab ID#: 0906281B-27A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.88	2.2	4.7	12
Tetrachloroethene	0.88	4.7	5.9	32

Client Sample ID: EN0534D060909

Lab ID#: 0906281B-28A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.94	3.5	5.1	19

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0534D060909

Lab ID#: 0906281B-28A

Trichloroethene	0.94	51	5.0	280
Tetrachloroethene	0.94	3.4	6.3	23

Client Sample ID: EN0728S060909

Lab ID#: 0906281B-29A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.98	1.6	5.3	8.7
Tetrachloroethene	0.98	32	6.6	220

Client Sample ID: EN0728D060909

Lab ID#: 0906281B-30A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.88	9.9	3.5	39
Trichloroethene	0.88	17	4.7	92
Tetrachloroethene	0.88	180	5.9	1200
trans-1,2-Dichloroethene	0.88	2.8	3.5	11

Client Sample ID: EN0728D060909 Lab Duplicate

Lab ID#: 0906281B-30AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	1.8	9.3	6.9	37
Trichloroethene	1.8	18	9.4	94
Tetrachloroethene	1.8	200	12	1400
trans-1,2-Dichloroethene	1.8	2.7	6.9	11

Client Sample ID: EN0637S060909

Lab ID#: 0906281B-31A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.90	13	6.1	89

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Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0637D060909

Lab ID#: 0906281B-32A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.86	4.1	3.4	16
Trichloroethene	0.86	5.1	4.6	27
Tetrachloroethene	0.86	2.3	5.8	15

Client Sample ID: EN0412S060909

Lab ID#: 0906281B-33A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.86	4.1	4.7	22
Trichloroethene	0.86	130	4.6	700

Client Sample ID: EN0412D060909

Lab ID#: 0906281B-34A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.4	6.2	8.6	16
Methylene Chloride	3.4	68	12	240
1,1-Dichloroethane	3.4	4.4	14	18
cis-1,2-Dichloroethene	3.4	600	13	2400
1,1,1-Trichloroethane	3.4	3.6	18	20
Trichloroethene	3.4	130	18	720
Tetrachloroethene	3.4	39	23	270
trans-1,2-Dichloroethene	3.4	16	13	65

Client Sample ID: EN0412D060909 Lab Duplicate

Lab ID#: 0906281B-34AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	6.7	74	23	260
cis-1,2-Dichloroethene	6.7	640	26	2500
Trichloroethene	6.7	140	36	730
Tetrachloroethene	6.7	41	45	280
trans-1,2-Dichloroethene	6.7	18	26	72

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Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN047S060909

Lab ID#: 0906281B-35A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.84	2.5	5.7	17

Client Sample ID: EN047D060909

Lab ID#: 0906281B-36A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	2.3	2.3	9.2	9.2
cis-1,2-Dichloroethene	2.3	8.5	9.2	34
1,1,1-Trichloroethane	2.3	47	13	260
Trichloroethene	2.3	760	12	4100

Client Sample ID: EB25280060909

Lab ID#: 0906281B-37A

No Detections Were Found.

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Client Sample ID: EN042D060909

Lab ID#: 0906281B-20A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061907**	**Date of Collection: 6/9/09 8:00:00 AM**	
Dil. Factor:	**1.61**	**Date of Analysis: 6/19/09 12:12 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.80	1.7	4.4	9.3
Trichloroethene	0.80	22	4.3	120
Tetrachloroethene	0.80	12	5.5	79
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0533S060909

Lab ID#: 0906281B-21A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061908**	**Date of Collection: 6/9/09 10:27:00 AM**	
Dil. Factor:	**2.01**	**Date of Analysis: 6/19/09 12:48 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
Chloroethane	1.0	Not Detected	2.6	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Freon 113	1.0	Not Detected	7.7	Not Detected
Methylene Chloride	1.0	Not Detected	3.5	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Trichloroethene	1.0	17	5.4	90
Tetrachloroethene	1.0	4.0	6.8	27
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0533D060909

Lab ID#: 0906281B-22A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061909**	**Date of Collection: 6/9/09 10:27:00 AM**	
Dil. Factor:	**10.4**	**Date of Analysis: 6/19/09 01:28 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	5.2	Not Detected	13	Not Detected
Chloroethane	5.2	Not Detected	14	Not Detected
1,1-Dichloroethene	5.2	Not Detected	21	Not Detected
Freon 113	5.2	Not Detected	40	Not Detected
Methylene Chloride	5.2	Not Detected	18	Not Detected
1,1-Dichloroethane	5.2	Not Detected	21	Not Detected
cis-1,2-Dichloroethene	5.2	5.8	21	23
1,1,1-Trichloroethane	5.2	49	28	270
Trichloroethene	5.2	1100	28	5700
Tetrachloroethene	5.2	43	35	290
trans-1,2-Dichloroethene	5.2	Not Detected	21	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU3354060909

Lab ID#: 0906281B-23A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061910**	**Date of Collection:**	**6/9/09 10:27:00 AM**
Dil. Factor:	**9.15**	**Date of Analysis:**	**6/19/09 02:04 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	4.6	Not Detected	12	Not Detected
Chloroethane	4.6	Not Detected	12	Not Detected
1,1-Dichloroethene	4.6	Not Detected	18	Not Detected
Freon 113	4.6	Not Detected	35	Not Detected
Methylene Chloride	4.6	Not Detected	16	Not Detected
1,1-Dichloroethane	4.6	Not Detected	18	Not Detected
cis-1,2-Dichloroethene	4.6	5.4	18	21
1,1,1-Trichloroethane	4.6	48	25	260
Trichloroethene	4.6	1000	24	5700
Tetrachloroethene	4.6	42	31	280
trans-1,2-Dichloroethene	4.6	Not Detected	18	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0417D060909

Lab ID#: 0906281B-24A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061911**	**Date of Collection:**	**6/9/09 10:07:00 AM**
Dil. Factor:	**1.79**	**Date of Analysis:**	**6/19/09 02:41 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Trichloroethene	0.90	11	4.8	60
Tetrachloroethene	0.90	1.6	6.1	10
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU3372060909

Lab ID#: 0906281B-25A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061913**	**Date of Collection:**	**6/9/09 10:07:00 AM**
Dil. Factor:	**1.79**	**Date of Analysis:**	**6/19/09 04:00 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.90	1.0	4.9	5.7
Trichloroethene	0.90	56	4.8	300
Tetrachloroethene	0.90	Not Detected	6.1	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0417S060909

Lab ID#: 0906281B-26A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061914**	**Date of Collection: 6/9/09 10:07:00 AM**	
Dil. Factor:	**1.79**	**Date of Analysis: 6/19/09 04:51 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.90	0.97	4.9	5.3
Trichloroethene	0.90	55	4.8	300
Tetrachloroethene	0.90	Not Detected	6.1	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0417S060909 Lab Duplicate

Lab ID#: 0906281B-26AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061915**	**Date of Collection: 6/9/09 10:07:00 AM**	
Dil. Factor:	**1.79**	**Date of Analysis: 6/19/09 05:29 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.90	0.91	4.9	5.0
Trichloroethene	0.90	56	4.8	300
Tetrachloroethene	0.90	Not Detected	6.1	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0534S060909

Lab ID#: 0906281B-27A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061916**	**Date of Collection: 6/9/09 1:18:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 6/19/09 06:05 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	2.2	4.7	12
Tetrachloroethene	0.88	4.7	5.9	32
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0534D060909

Lab ID#: 0906281B-28A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061917**	**Date of Collection: 6/9/09 1:18:00 PM**	
Dil. Factor:	**1.87**	**Date of Analysis: 6/19/09 07:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.94	Not Detected	2.4	Not Detected
Chloroethane	0.94	Not Detected	2.5	Not Detected
1,1-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Freon 113	0.94	Not Detected	7.2	Not Detected
Methylene Chloride	0.94	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.94	Not Detected	3.8	Not Detected
cis-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
1,1,1-Trichloroethane	0.94	3.5	5.1	19
Trichloroethene	0.94	51	5.0	280
Tetrachloroethene	0.94	3.4	6.3	23
trans-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0728S060909

Lab ID#: 0906281B-29A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062014**	**Date of Collection: 6/9/09 3:01:00 PM**	
Dil. Factor:	**1.96**	**Date of Analysis: 6/20/09 07:11 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.98	Not Detected	2.5	Not Detected
Chloroethane	0.98	Not Detected	2.6	Not Detected
1,1-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Freon 113	0.98	Not Detected	7.5	Not Detected
Methylene Chloride	0.98	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.98	Not Detected	4.0	Not Detected
cis-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
1,1,1-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Trichloroethene	0.98	1.6	5.3	8.7
Tetrachloroethene	0.98	32	6.6	220
trans-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0728D060909

Lab ID#: 0906281B-30A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062016**	**Date of Collection: 6/9/09 3:01:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 6/20/09 08:38 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	9.9	3.5	39
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	17	4.7	92
Tetrachloroethene	0.88	180	5.9	1200
trans-1,2-Dichloroethene	0.88	2.8	3.5	11

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0728D060909 Lab Duplicate

Lab ID#: 0906281B-30AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062015**	**Date of Collection: 6/9/09 3:01:00 PM**	
Dil. Factor:	**3.50**	**Date of Analysis: 6/20/09 07:52 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.8	Not Detected	4.5	Not Detected
Chloroethane	1.8	Not Detected	4.6	Not Detected
1,1-Dichloroethene	1.8	Not Detected	6.9	Not Detected
Freon 113	1.8	Not Detected	13	Not Detected
Methylene Chloride	1.8	Not Detected	6.1	Not Detected
1,1-Dichloroethane	1.8	Not Detected	7.1	Not Detected
cis-1,2-Dichloroethene	1.8	9.3	6.9	37
1,1,1-Trichloroethane	1.8	Not Detected	9.5	Not Detected
Trichloroethene	1.8	18	9.4	94
Tetrachloroethene	1.8	200	12	1400
trans-1,2-Dichloroethene	1.8	2.7	6.9	11

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0637S060909

Lab ID#: 0906281B-31A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062107**	**Date of Collection: 6/9/09 3:27:00 PM**	
Dil. Factor:	**1.79**	**Date of Analysis: 6/21/09 01:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Trichloroethene	0.90	Not Detected	4.8	Not Detected
Tetrachloroethene	0.90	13	6.1	89
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0637D060909

Lab ID#: 0906281B-32A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062108**	**Date of Collection: 6/9/09 3:27:00 PM**	
Dil. Factor:	**1.71**	**Date of Analysis: 6/21/09 02:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	4.1	3.4	16
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Trichloroethene	0.86	5.1	4.6	27
Tetrachloroethene	0.86	2.3	5.8	15
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0412S060909

Lab ID#: 0906281B-33A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062109**	**Date of Collection: 6/9/09 5:15:00 PM**	
Dil. Factor:	**1.71**	**Date of Analysis: 6/21/09 02:43 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.86	4.1	4.7	22
Trichloroethene	0.86	130	4.6	700
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0412D060909

Lab ID#: 0906281B-34A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062018**	**Date of Collection: 6/9/09 5:15:00 PM**	
Dil. Factor:	**6.72**	**Date of Analysis: 6/20/09 07:56 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.4	6.2	8.6	16
Chloroethane	3.4	Not Detected	8.9	Not Detected
1,1-Dichloroethene	3.4	Not Detected	13	Not Detected
Freon 113	3.4	Not Detected	26	Not Detected
Methylene Chloride	3.4	68	12	240
1,1-Dichloroethane	3.4	4.4	14	18
cis-1,2-Dichloroethene	3.4	600	13	2400
1,1,1-Trichloroethane	3.4	3.6	18	20
Trichloroethene	3.4	130	18	720
Tetrachloroethene	3.4	39	23	270
trans-1,2-Dichloroethene	3.4	16	13	65

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0412D060909 Lab Duplicate

Lab ID#: 0906281B-34AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062017**	**Date of Collection: 6/9/09 5:15:00 PM**	
Dil. Factor:	**13.4**	**Date of Analysis: 6/20/09 07:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	6.7	Not Detected	17	Not Detected
Chloroethane	6.7	Not Detected	18	Not Detected
1,1-Dichloroethene	6.7	Not Detected	26	Not Detected
Freon 113	6.7	Not Detected	51	Not Detected
Methylene Chloride	6.7	74	23	260
1,1-Dichloroethane	6.7	Not Detected	27	Not Detected
cis-1,2-Dichloroethene	6.7	640	26	2500
1,1,1-Trichloroethane	6.7	Not Detected	36	Not Detected
Trichloroethene	6.7	140	36	730
Tetrachloroethene	6.7	41	45	280
trans-1,2-Dichloroethene	6.7	18	26	72

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN047S060909

Lab ID#: 0906281B-35A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062110**	**Date of Collection: 6/9/09 5:32:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 6/21/09 03:22 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
Tetrachloroethene	0.84	2.5	5.7	17
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN047D060909

Lab ID#: 0906281B-36A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062111**	**Date of Collection: 6/9/09 5:32:00 PM**	
Dil. Factor:	**4.67**	**Date of Analysis: 6/21/09 04:08 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.3	Not Detected	6.0	Not Detected
Chloroethane	2.3	Not Detected	6.2	Not Detected
1,1-Dichloroethene	2.3	2.3	9.2	9.2
Freon 113	2.3	Not Detected	18	Not Detected
Methylene Chloride	2.3	Not Detected	8.1	Not Detected
1,1-Dichloroethane	2.3	Not Detected	9.4	Not Detected
cis-1,2-Dichloroethene	2.3	8.5	9.2	34
1,1,1-Trichloroethane	2.3	47	13	260
Trichloroethene	2.3	760	12	4100
Tetrachloroethene	2.3	Not Detected	16	Not Detected
trans-1,2-Dichloroethene	2.3	Not Detected	9.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EB25280060909

Lab ID#: 0906281B-37A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062112**	**Date of Collection: 6/9/09 8:06:00 PM**	
Dil. Factor:	**1.71**	**Date of Analysis: 6/21/09 04:47 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	120	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0906281B-38A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061905**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/09 10:25 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0906281B-38B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 11:21 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0906281B-38C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 10:57 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0906281B-38D

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062106**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/09 12:30 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0906281B-39A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/09 08:18 AM**	

Compound	**%Recovery**
Vinyl Chloride	108
Chloroethane	102
1,1-Dichloroethene	110
Freon 113	102
Methylene Chloride	104
1,1-Dichloroethane	107
cis-1,2-Dichloroethene	110
1,1,1-Trichloroethane	108
Trichloroethene	118
Tetrachloroethene	115
trans-1,2-Dichloroethene	108

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0906281B-39B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 09:32 AM**	

Compound	**%Recovery**
Vinyl Chloride	85
Chloroethane	85
1,1-Dichloroethene	96
Freon 113	100
Methylene Chloride	97
1,1-Dichloroethane	92
cis-1,2-Dichloroethene	95
1,1,1-Trichloroethane	106
Trichloroethene	113
Tetrachloroethene	97
trans-1,2-Dichloroethene	91

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0906281B-39C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 08:43 AM**	

Compound	**%Recovery**
Vinyl Chloride	96
Chloroethane	96
1,1-Dichloroethene	99
Freon 113	106
Methylene Chloride	97
1,1-Dichloroethane	95
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	98
Trichloroethene	98
Tetrachloroethene	100
trans-1,2-Dichloroethene	105

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0906281B-39D

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/09 09:00 AM**	

Compound	**%Recovery**
Vinyl Chloride	96
Chloroethane	95
1,1-Dichloroethene	100
Freon 113	102
Methylene Chloride	94
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	104
Trichloroethene	102
Tetrachloroethene	97
trans-1,2-Dichloroethene	99

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0906281B-40A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/09 08:54 AM**	

Compound	**%Recovery**
Vinyl Chloride	91
Chloroethane	89
1,1-Dichloroethene	107
Freon 113	99
Methylene Chloride	100
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	108
1,1,1-Trichloroethane	101
Trichloroethene	104
Tetrachloroethene	102
trans-1,2-Dichloroethene	97

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0906281B-40AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/09 09:30 AM**	

Compound	%Recovery
Vinyl Chloride	88
Chloroethane	85
1,1-Dichloroethene	104
Freon 113	97
Methylene Chloride	97
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	105
1,1,1-Trichloroethane	98
Trichloroethene	102
Tetrachloroethene	102
trans-1,2-Dichloroethene	94

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0906281B-40B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 10:06 AM**	

Compound	**%Recovery**
Vinyl Chloride	75
Chloroethane	70
1,1-Dichloroethene	93
Freon 113	98
Methylene Chloride	93
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	96
Trichloroethene	80
Tetrachloroethene	86
trans-1,2-Dichloroethene	80

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0906281B-40BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**r062004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 10:46 AM**	

Compound	**%Recovery**
Vinyl Chloride	76
Chloroethane	76
1,1-Dichloroethene	93
Freon 113	97
Methylene Chloride	93
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	94
Trichloroethene	82
Tetrachloroethene	87
trans-1,2-Dichloroethene	80

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0906281B-40C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 09:22 AM**	

Compound	%Recovery
Vinyl Chloride	80
Chloroethane	82
1,1-Dichloroethene	94
Freon 113	98
Methylene Chloride	89
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	86
Trichloroethene	84
Tetrachloroethene	84
trans-1,2-Dichloroethene	90

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0906281B-40CC

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/09 10:01 AM**	

Compound	%Recovery
Vinyl Chloride	78
Chloroethane	80
1,1-Dichloroethene	92
Freon 113	96
Methylene Chloride	88
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	86
Trichloroethene	84
Tetrachloroethene	84
trans-1,2-Dichloroethene	87

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0906281B-40D

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/09 09:56 AM**	

Compound	**%Recovery**
Vinyl Chloride	80
Chloroethane	79
1,1-Dichloroethene	95
Freon 113	95
Methylene Chloride	88
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	90
Trichloroethene	87
Tetrachloroethene	85
trans-1,2-Dichloroethene	84

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0906281B-40DD

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7062104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/09 10:46 AM**	

Compound	%Recovery
Vinyl Chloride	80
Chloroethane	81
1,1-Dichloroethene	98
Freon 113	97
Methylene Chloride	90
1,1-Dichloroethane	86
cis-1,2-Dichloroethene	95
1,1,1-Trichloroethane	93
Trichloroethene	89
Tetrachloroethene	86
trans-1,2-Dichloroethene	86

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

8/27/2009
Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street

Portland ME 04101

Project Name: GVP
Project #: 2755.03
Workorder #: 0908303A

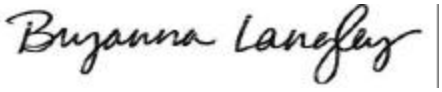
Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 8/14/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 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: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

WORK ORDER #: 0908303A

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	08/14/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/27/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	EN0419S081009	Modified TO-15	6.0 "Hg	5 psi
02A	DU3461081009	Modified TO-15	6.2 "Hg	5 psi
03A	EN0419D081009	Modified TO-15	5.4 "Hg	5 psi
04A	EN0421S081009	Modified TO-15	6.2 "Hg	5 psi
05A	EN0421D081009	Modified TO-15	6.6 "Hg	5 psi
06A	EN0420S081009	Modified TO-15	7.2 "Hg	5 psi
07A	EN0420D081009	Modified TO-15	7.0 "Hg	5 psi
08A	EN041S081109	Modified TO-15	7.2 "Hg	5 psi
09A	EN041D081109	Modified TO-15	7.0 "Hg	5 psi
10A	EN047D081109	Modified TO-15	7.0 "Hg	5 psi
11A	DU3355081109	Modified TO-15	7.6 "Hg	5 psi
12A	EN047S081109	Modified TO-15	5.4 "Hg	5 psi
13A	EN045S081109	Modified TO-15	5.6 "Hg	5 psi
14A	EN045D081109	Modified TO-15	8.0 "Hg	5 psi
14AA	EN045D081109 Lab Duplicate	Modified TO-15	8.0 "Hg	5 psi
15A	EN0636S081109	Modified TO-15	7.4 "Hg	5 psi
16A	EN0636D081109	Modified TO-15	6.2 "Hg	5 psi

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0908303A

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	08/14/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/27/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
17A	EN0635S081109	Modified TO-15	7.0 "Hg	5 psi
18A	EN0635D081109	Modified TO-15	7.0 "Hg	5 psi
19A	EN046S081109	Modified TO-15	6.0 "Hg	5 psi
19AA	EN046S081109 Lab Duplicate	Modified TO-15	6.0 "Hg	5 psi
20A	Lab Blank	Modified TO-15	NA	NA
20B	Lab Blank	Modified TO-15	NA	NA
20C	Lab Blank	Modified TO-15	NA	NA
21A	CCV	Modified TO-15	NA	NA
21B	CCV	Modified TO-15	NA	NA
21C	CCV	Modified TO-15	NA	NA
22A	LCS	Modified TO-15	NA	NA
22AA	LCSD	Modified TO-15	NA	NA
22B	LCS	Modified TO-15	NA	NA
22BB	LCSD	Modified TO-15	NA	NA
22C	LCS	Modified TO-15	NA	NA
22CC	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 08/27/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Sanborn, Head & Associates
Workorder# 0908303A

Nineteen 1 Liter Summa Canister (100% Certified) samples were received on August 14, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for sample EN0635D081109 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

There were no analytical discrepancies.

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 no 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

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0419S081009

Lab ID#: 0908303A-01A

No Detections Were Found.

Client Sample ID: DU3461081009

Lab ID#: 0908303A-02A

No Detections Were Found.

Client Sample ID: EN0419D081009

Lab ID#: 0908303A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.82	2.2	3.2	8.6
1,1,1-Trichloroethane	0.82	8.3	4.4	45
Trichloroethene	0.82	160	4.4	870

Client Sample ID: EN0421S081009

Lab ID#: 0908303A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	1.1	4.5	6.0

Client Sample ID: EN0421D081009

Lab ID#: 0908303A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.86	32	4.6	170

Client Sample ID: EN0420S081009

Lab ID#: 0908303A-06A

No Detections Were Found.

Client Sample ID: EN0420D081009

Lab ID#: 0908303A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.88	1.2	4.8	6.3

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0420D081009

Lab ID#: 0908303A-07A

Trichloroethene	0.88	28	4.7	150

Client Sample ID: EN041S081109

Lab ID#: 0908303A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.88	1.9	4.7	10

Client Sample ID: EN041D081109

Lab ID#: 0908303A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.88	3.1	4.8	17
Trichloroethene	0.88	21	4.7	110
Tetrachloroethene	0.88	4.4	5.9	30

Client Sample ID: EN047D081109

Lab ID#: 0908303A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	3.5	4.7	14	19
cis-1,2-Dichloroethene	3.5	8.8	14	35
1,1,1-Trichloroethane	3.5	42	19	230
Trichloroethene	3.5	730	19	4000

Client Sample ID: DU3355081109

Lab ID#: 0908303A-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	3.6	5.0	14	20
cis-1,2-Dichloroethene	3.6	9.7	14	39
1,1,1-Trichloroethane	3.6	47	20	260
Trichloroethene	3.6	800	19	4300

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN047S081109

Lab ID#: 0908303A-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.82	1.5	5.5	10

Client Sample ID: EN045S081109

Lab ID#: 0908303A-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.82	2.7	4.5	15
Trichloroethene	0.82	54	4.4	290
Tetrachloroethene	0.82	1.6	5.6	11

Client Sample ID: EN045D081109

Lab ID#: 0908303A-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.8	18	10	97
Trichloroethene	1.8	400	9.8	2200
Tetrachloroethene	1.8	4.0	12	27

Client Sample ID: EN045D081109 Lab Duplicate

Lab ID#: 0908303A-14AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.8	18	10	96
Trichloroethene	1.8	400	9.8	2200
Tetrachloroethene	1.8	3.8	12	26

Client Sample ID: EN0636S081109

Lab ID#: 0908303A-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.89	1.6	4.8	8.4

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0636D081109

Lab ID#: 0908303A-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.84	0.98	3.4	3.9
1,1,1-Trichloroethane	0.84	40	4.6	220
Trichloroethene	0.84	43	4.5	230

Client Sample ID: EN0635S081109

Lab ID#: 0908303A-17A

No Detections Were Found.

Client Sample ID: EN0635D081109

Lab ID#: 0908303A-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.88	3.4	4.8	18
Trichloroethene	0.88	18	4.7	99

Client Sample ID: EN046S081109

Lab ID#: 0908303A-19A

No Detections Were Found.

Client Sample ID: EN046S081109 Lab Duplicate

Lab ID#: 0908303A-19AA

No Detections Were Found.

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0419S081009

Lab ID#: 0908303A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082008**	**Date of Collection: 8/10/09 3:18:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 8/20/09 12:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU3461081009

Lab ID#: 0908303A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082019**	**Date of Collection: 8/10/09 3:18:00 PM**	
Dil. Factor:	**1.69**	**Date of Analysis: 8/20/09 08:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.2	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Freon 113	0.84	Not Detected	6.5	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0419D081009

Lab ID#: 0908303A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082106**	**Date of Collection: 8/10/09 3:18:00 PM**	
Dil. Factor:	**1.63**	**Date of Analysis: 8/21/09 09:01 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.2	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	2.2	3.2	8.6
1,1,1-Trichloroethane	0.82	8.3	4.4	45
Trichloroethene	0.82	160	4.4	870
Tetrachloroethene	0.82	Not Detected	5.5	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0421S081009

Lab ID#: 0908303A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082020**	**Date of Collection: 8/10/09 3:50:00 PM**	
Dil. Factor:	**1.69**	**Date of Analysis: 8/20/09 08:41 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.2	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Freon 113	0.84	Not Detected	6.5	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	1.1	4.5	6.0
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0421D081009

Lab ID#: 0908303A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082009**	**Date of Collection: 8/10/09 3:50:00 PM**	
Dil. Factor:	**1.72**	**Date of Analysis: 8/20/09 01:08 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Trichloroethene	0.86	32	4.6	170
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0420S081009

Lab ID#: 0908303A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082010**	**Date of Collection: 8/10/09 4:14:00 PM**	
Dil. Factor:	**1.76**	**Date of Analysis: 8/20/09 01:50 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
Tetrachloroethene	0.88	Not Detected	6.0	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0420D081009

Lab ID#: 0908303A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082109**	**Date of Collection: 8/10/09 4:14:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 8/21/09 11:00 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	1.2	4.8	6.3
Trichloroethene	0.88	28	4.7	150
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN041S081109

Lab ID#: 0908303A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082011**	**Date of Collection: 8/11/09 7:52:00 AM**	
Dil. Factor:	**1.76**	**Date of Analysis: 8/20/09 02:33 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	1.9	4.7	10
Tetrachloroethene	0.88	Not Detected	6.0	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN041D081109

Lab ID#: 0908303A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082012**	**Date of Collection: 8/11/09 7:52:00 AM**	
Dil. Factor:	**1.75**	**Date of Analysis: 8/20/09 03:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	3.1	4.8	17
Trichloroethene	0.88	21	4.7	110
Tetrachloroethene	0.88	4.4	5.9	30
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN047D081109

Lab ID#: 0908303A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082107**	**Date of Collection: 8/11/09 9:42:00 AM**	
Dil. Factor:	**7.00**	**Date of Analysis: 8/21/09 09:41 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.5	Not Detected	8.9	Not Detected
Chloroethane	3.5	Not Detected	9.2	Not Detected
1,1-Dichloroethene	3.5	4.7	14	19
Freon 113	3.5	Not Detected	27	Not Detected
Methylene Chloride	3.5	Not Detected	12	Not Detected
1,1-Dichloroethane	3.5	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	3.5	8.8	14	35
1,1,1-Trichloroethane	3.5	42	19	230
Trichloroethene	3.5	730	19	4000
Tetrachloroethene	3.5	Not Detected	24	Not Detected
trans-1,2-Dichloroethene	3.5	Not Detected	14	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU3355081109

Lab ID#: 0908303A-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082108**	**Date of Collection: 8/11/09 9:42:00 AM**	
Dil. Factor:	**7.16**	**Date of Analysis: 8/21/09 10:21 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.6	Not Detected	9.2	Not Detected
Chloroethane	3.6	Not Detected	9.4	Not Detected
1,1-Dichloroethene	3.6	5.0	14	20
Freon 113	3.6	Not Detected	27	Not Detected
Methylene Chloride	3.6	Not Detected	12	Not Detected
1,1-Dichloroethane	3.6	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	3.6	9.7	14	39
1,1,1-Trichloroethane	3.6	47	20	260
Trichloroethene	3.6	800	19	4300
Tetrachloroethene	3.6	Not Detected	24	Not Detected
trans-1,2-Dichloroethene	3.6	Not Detected	14	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN047S081109

Lab ID#: 0908303A-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082015**	**Date of Collection: 8/11/09 9:42:00 AM**	
Dil. Factor:	**1.63**	**Date of Analysis: 8/20/09 05:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.2	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.4	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
Tetrachloroethene	0.82	1.5	5.5	10
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN045S081109

Lab ID#: 0908303A-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082110**	**Date of Collection: 8/11/09 10:04:00 AM**	
Dil. Factor:	**1.65**	**Date of Analysis: 8/21/09 11:39 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.3	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
Methylene Chloride	0.82	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.82	2.7	4.5	15
Trichloroethene	0.82	54	4.4	290
Tetrachloroethene	0.82	1.6	5.6	11
trans-1,2-Dichloroethene	0.82	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN045D081109

Lab ID#: 0908303A-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082111**	**Date of Collection: 8/11/09 10:04:00 AM**	
Dil. Factor:	**3.66**	**Date of Analysis: 8/21/09 12:18 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.8	Not Detected	4.7	Not Detected
Chloroethane	1.8	Not Detected	4.8	Not Detected
1,1-Dichloroethene	1.8	Not Detected	7.2	Not Detected
Freon 113	1.8	Not Detected	14	Not Detected
Methylene Chloride	1.8	Not Detected	6.4	Not Detected
1,1-Dichloroethane	1.8	Not Detected	7.4	Not Detected
cis-1,2-Dichloroethene	1.8	Not Detected	7.2	Not Detected
1,1,1-Trichloroethane	1.8	18	10	97
Trichloroethene	1.8	400	9.8	2200
Tetrachloroethene	1.8	4.0	12	27
trans-1,2-Dichloroethene	1.8	Not Detected	7.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN045D081109 Lab Duplicate

Lab ID#: 0908303A-14AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082124**	**Date of Collection: 8/11/09 10:04:00 AM**	
Dil. Factor:	**3.66**	**Date of Analysis: 8/21/09 09:55 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.8	Not Detected	4.7	Not Detected
Chloroethane	1.8	Not Detected	4.8	Not Detected
1,1-Dichloroethene	1.8	Not Detected	7.2	Not Detected
Freon 113	1.8	Not Detected	14	Not Detected
Methylene Chloride	1.8	Not Detected	6.4	Not Detected
1,1-Dichloroethane	1.8	Not Detected	7.4	Not Detected
cis-1,2-Dichloroethene	1.8	Not Detected	7.2	Not Detected
1,1,1-Trichloroethane	1.8	18	10	96
Trichloroethene	1.8	400	9.8	2200
Tetrachloroethene	1.8	3.8	12	26
trans-1,2-Dichloroethene	1.8	Not Detected	7.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0636S081109

Lab ID#: 0908303A-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082016**	**Date of Collection: 8/11/09 10:22:00 AM**	
Dil. Factor:	**1.78**	**Date of Analysis: 8/20/09 05:59 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.89	Not Detected	2.3	Not Detected
Chloroethane	0.89	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.89	Not Detected	3.5	Not Detected
Freon 113	0.89	Not Detected	6.8	Not Detected
Methylene Chloride	0.89	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.89	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.89	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.89	1.6	4.8	8.4
Trichloroethene	0.89	Not Detected	4.8	Not Detected
Tetrachloroethene	0.89	Not Detected	6.0	Not Detected
trans-1,2-Dichloroethene	0.89	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0636D081109

Lab ID#: 0908303A-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082017**	**Date of Collection: 8/11/09 10:22:00 AM**	
Dil. Factor:	**1.69**	**Date of Analysis: 8/20/09 06:38 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.2	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Freon 113	0.84	Not Detected	6.5	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	0.98	3.4	3.9
1,1,1-Trichloroethane	0.84	40	4.6	220
Trichloroethene	0.84	43	4.5	230
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0635S081109

Lab ID#: 0908303A-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082112**	**Date of Collection: 8/11/09 1:35:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 8/21/09 01:07 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0635D081109

Lab ID#: 0908303A-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082018**	**Date of Collection: 8/11/09 1:35:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 8/20/09 07:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	3.4	4.8	18
Trichloroethene	0.88	18	4.7	99
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN046S081109

Lab ID#: 0908303A-19A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082113**	**Date of Collection: 8/11/09 1:54:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 8/21/09 01:46 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN046S081109 Lab Duplicate

Lab ID#: 0908303A-19AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082114**	**Date of Collection: 8/11/09 1:54:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 8/21/09 02:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303A-20A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082007**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/09 11:41 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303A-20B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082105**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 08:10 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303A-20C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082123**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 09:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303A-21A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/09 09:41 AM**	

Compound	**%Recovery**
Vinyl Chloride	83
Chloroethane	78
1,1-Dichloroethene	88
Freon 113	90
Methylene Chloride	82
1,1-Dichloroethane	83
cis-1,2-Dichloroethene	87
1,1,1-Trichloroethane	89
Trichloroethene	96
Tetrachloroethene	94
trans-1,2-Dichloroethene	88

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303A-21B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 06:01 AM**	

Compound	**%Recovery**
Vinyl Chloride	101
Chloroethane	99
1,1-Dichloroethene	95
Freon 113	103
Methylene Chloride	93
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	99
Trichloroethene	98
Tetrachloroethene	98
trans-1,2-Dichloroethene	101

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303A-21C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082120**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 06:56 PM**	

Compound	**%Recovery**
Vinyl Chloride	105
Chloroethane	103
1,1-Dichloroethene	98
Freon 113	107
Methylene Chloride	93
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	99
1,1,1-Trichloroethane	103
Trichloroethene	101
Tetrachloroethene	102
trans-1,2-Dichloroethene	100

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303A-22A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/09 10:21 AM**	

Compound	**%Recovery**
Vinyl Chloride	77
Chloroethane	73
1,1-Dichloroethene	93
Freon 113	96
Methylene Chloride	85
1,1-Dichloroethane	81
cis-1,2-Dichloroethene	86
1,1,1-Trichloroethane	84
Trichloroethene	90
Tetrachloroethene	88
trans-1,2-Dichloroethene	82

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303A-22AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**e082006**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/09 10:59 AM**	

Compound	**%Recovery**
Vinyl Chloride	76
Chloroethane	73
1,1-Dichloroethene	91
Freon 113	95
Methylene Chloride	83
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	84
1,1,1-Trichloroethane	83
Trichloroethene	87
Tetrachloroethene	88
trans-1,2-Dichloroethene	82

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303A-22B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 06:40 AM**	

Compound	**%Recovery**
Vinyl Chloride	96
Chloroethane	95
1,1-Dichloroethene	104
Freon 113	111
Methylene Chloride	98
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	108
1,1,1-Trichloroethane	99
Trichloroethene	96
Tetrachloroethene	96
trans-1,2-Dichloroethene	97

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303A-22BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 07:19 AM**	

Compound	**%Recovery**
Vinyl Chloride	96
Chloroethane	96
1,1-Dichloroethene	105
Freon 113	111
Methylene Chloride	100
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	110
1,1,1-Trichloroethane	101
Trichloroethene	97
Tetrachloroethene	97
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303A-22C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082121**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 07:35 PM**	

Compound	**%Recovery**
Vinyl Chloride	102
Chloroethane	100
1,1-Dichloroethene	110
Freon 113	116
Methylene Chloride	103
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	114
1,1,1-Trichloroethane	106
Trichloroethene	102
Tetrachloroethene	101
trans-1,2-Dichloroethene	101

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303A-22CC

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082122**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 08:14 PM**	

Compound	**%Recovery**
Vinyl Chloride	100
Chloroethane	98
1,1-Dichloroethene	109
Freon 113	113
Methylene Chloride	102
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	114
1,1,1-Trichloroethane	104
Trichloroethene	99
Tetrachloroethene	100
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

8/27/2009

Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street

Portland ME 04101

Project Name: GVP
Project #: 2755.03
Workorder #: 0908303B

Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 8/14/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 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: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Bryanna Langley
Project Manager

WORK ORDER #: 0908303B

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	08/14/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/27/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
20A	EN046D081109	Modified TO-15	5.5 "Hg	5 psi
21A	EN0414S081109	Modified TO-15	6.0 "Hg	5 psi
22A	DU31775081109	Modified TO-15	6.0 "Hg	5 psi
23A	EN0414D081109	Modified TO-15	6.5 "Hg	5 psi
24A	EN0417S081109	Modified TO-15	7.0 "Hg	5 psi
25A	EN0417D081109	Modified TO-15	7.0 "Hg	5 psi
26A	EN0432S081209	Modified TO-15	6.0 "Hg	5 psi
27A	EN0432D081209	Modified TO-15	6.5 "Hg	5 psi
28A	DU3456081209	Modified TO-15	6.5 "Hg	5 psi
29A	EN044S081209	Modified TO-15	5.5 "Hg	5 psi
30A	EN044D081209	Modified TO-15	5.5 "Hg	5 psi
31A	EN0411S081209	Modified TO-15	5.5 "Hg	5 psi
32A	EN0411D081209	Modified TO-15	5.0 "Hg	5 psi
32AA	EN0411D081209 Lab Duplicate	Modified TO-15	5.0 "Hg	5 psi
33A	EN0431S081209	Modified TO-15	5.0 "Hg	5 psi
34A	EN0431D081209	Modified TO-15	5.5 "Hg	5 psi
34AA	EN0431D081209 Lab Duplicate	Modified TO-15	5.5 "Hg	5 psi

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0908303B

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	08/14/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/27/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
35A	EN0412S081209	Modified TO-15	6.0 "Hg	5 psi
36A	EN0412D081209	Modified TO-15	6.0 "Hg	5 psi
37A	EN0413S081209	Modified TO-15	6.5 "Hg	5 psi
38A	EN0413D081209	Modified TO-15	7.5 "Hg	5 psi
39A	Lab Blank	Modified TO-15	NA	NA
39B	Lab Blank	Modified TO-15	NA	NA
39C	Lab Blank	Modified TO-15	NA	NA
40A	CCV	Modified TO-15	NA	NA
40B	CCV	Modified TO-15	NA	NA
40C	CCV	Modified TO-15	NA	NA
41A	LCS	Modified TO-15	NA	NA
41AA	LCSD	Modified TO-15	NA	NA
41B	LCS	Modified TO-15	NA	NA
41BB	LCSD	Modified TO-15	NA	NA
41C	LCS	Modified TO-15	NA	NA
41CC	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 08/27/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15
Sanborn, Head & Associates
Workorder# 0908303B

Nineteen 1 Liter Summa Canister (100% Certified) samples were received on August 14, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

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 no 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

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN046D081109

Lab ID#: 0908303B-20A

No Detections Were Found.

Client Sample ID: EN0414S081109

Lab ID#: 0908303B-21A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	3.1	4.5	16
1,1,1-Trichloroethane	0.84	1.1	4.6	5.8

Client Sample ID: DU31775081109

Lab ID#: 0908303B-22A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.84	1.3	4.6	7.0
Trichloroethene	0.84	4.5	4.5	24

Client Sample ID: EN0414D081109

Lab ID#: 0908303B-23A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.86	8.4	4.7	46
Trichloroethene	0.86	180	4.6	960
Tetrachloroethene	0.86	5.2	5.8	36

Client Sample ID: EN0417S081109

Lab ID#: 0908303B-24A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.88	81	4.7	440
1,1,1-Trichloroethane	0.88	1.6	4.8	8.8

Client Sample ID: EN0417D081109

Lab ID#: 0908303B-25A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0417D081109

Lab ID#: 0908303B-25A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.88	13	4.7	69

Client Sample ID: EN0432S081209

Lab ID#: 0908303B-26A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	54	4.5	290

Client Sample ID: EN0432D081209

Lab ID#: 0908303B-27A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.86	76	4.6	410
1,1,1-Trichloroethane	0.86	0.94	4.7	5.1

Client Sample ID: DU3456081209

Lab ID#: 0908303B-28A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.86	120	4.6	670
1,1,1-Trichloroethane	0.86	1.4	4.7	7.7

Client Sample ID: EN044S081209

Lab ID#: 0908303B-29A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.82	2.2	5.6	15

Client Sample ID: EN044D081209

Lab ID#: 0908303B-30A

No Detections Were Found.

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0411S081209

Lab ID#: 0908303B-31A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.82	24	4.4	130
Tetrachloroethene	0.82	0.91	5.6	6.2
1,1,1-Trichloroethane	0.82	2.1	4.5	11

Client Sample ID: EN0411D081209

Lab ID#: 0908303B-32A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.80	1.3	3.2	5.1
1,1,1-Trichloroethane	0.80	7.7	4.4	42
Trichloroethene	0.80	250	4.3	1400
Tetrachloroethene	0.80	10	5.5	70

Client Sample ID: EN0411D081209 Lab Duplicate

Lab ID#: 0908303B-32AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.80	1.3	3.2	5.2
1,1,1-Trichloroethane	0.80	7.6	4.4	42
Trichloroethene	0.80	250	4.3	1300
Tetrachloroethene	0.80	11	5.5	72

Client Sample ID: EN0431S081209

Lab ID#: 0908303B-33A

No Detections Were Found.

Client Sample ID: EN0431D081209

Lab ID#: 0908303B-34A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.82	36	4.4	190
1,1,1-Trichloroethane	0.82	1.8	4.5	10

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0431D081209 Lab Duplicate

Lab ID#: 0908303B-34AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.82	34	4.4	180
1,1,1-Trichloroethane	0.82	1.7	4.5	9.5

Client Sample ID: EN0412S081209

Lab ID#: 0908303B-35A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	0.84	0.98	3.3	3.9
1,1,1-Trichloroethane	0.84	4.0	4.6	22
Trichloroethene	0.84	220	4.5	1200

Client Sample ID: EN0412D081209

Lab ID#: 0908303B-36A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.84	2.4	4.6	13
Trichloroethene	0.84	150	4.5	800

Client Sample ID: EN0413S081209

Lab ID#: 0908303B-37A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	1.1	3.2	4.5	13
1,1,1-Trichloroethane	1.1	34	6.2	180
Trichloroethene	1.1	310	6.1	1700

Client Sample ID: EN0413D081209

Lab ID#: 0908303B-38A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.90	20	4.8	100
1,1,1-Trichloroethane	0.90	1.7	4.9	9.1

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN046D081109

Lab ID#: 0908303B-20A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082107**	**Date of Collection: 8/11/09 1:54:00 PM**	
Dil. Factor:	**8.20**	**Date of Analysis: 8/21/09 09:22 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0414S081109

Lab ID#: 0908303B-21A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082108**	**Date of Collection:**	**8/11/09 3:38:00 PM**
Dil. Factor:	**8.40**	**Date of Analysis:**	**8/21/09 10:01 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Trichloroethene	0.84	3.1	4.5	16
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	0.84	1.1	4.6	5.8
Chloroethane	0.84	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	91	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU31775081109

Lab ID#: 0908303B-22A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082215**	**Date of Collection: 8/11/09 3:38:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 8/22/09 09:56 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	1.3	4.6	7.0
Trichloroethene	0.84	4.5	4.5	24
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0414D081109

Lab ID#: 0908303B-23A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082210**	**Date of Collection: 8/11/09 3:38:00 PM**	
Dil. Factor:	**1.71**	**Date of Analysis: 8/22/09 06:27 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.86	8.4	4.7	46
Trichloroethene	0.86	180	4.6	960
Tetrachloroethene	0.86	5.2	5.8	36
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0417S081109

Lab ID#: 0908303B-24A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082109**	**Date of Collection: 8/11/09 3:56:00 PM**	
Dil. Factor:	**8.75**	**Date of Analysis: 8/21/09 10:33 AM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Trichloroethene	0.88	81	4.7	440
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	0.88	1.6	4.8	8.8
Chloroethane	0.88	Not Detected	2.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0417D081109

Lab ID#: 0908303B-25A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082110**	**Date of Collection: 8/11/09 3:56:00 PM**	
Dil. Factor:	**8.75**	**Date of Analysis: 8/21/09 11:04 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Trichloroethene	0.88	13	4.7	69
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0432S081209

Lab ID#: 0908303B-26A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082111**	**Date of Collection: 8/12/09 8:07:00 AM**	
Dil. Factor:	**8.40**	**Date of Analysis: 8/21/09 11:34 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Trichloroethene	0.84	54	4.5	290
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0432D081209

Lab ID#: 0908303B-27A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082112**	**Date of Collection: 8/12/09 8:07:00 AM**	
Dil. Factor:	**8.55**	**Date of Analysis: 8/21/09 12:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Trichloroethene	0.86	76	4.6	410
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	0.86	0.94	4.7	5.1
Chloroethane	0.86	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	90	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU3456081209

Lab ID#: 0908303B-28A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082113**	**Date of Collection: 8/12/09 8:07:00 AM**	
Dil. Factor:	**8.55**	**Date of Analysis: 8/21/09 12:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Trichloroethene	0.86	120	4.6	670
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	0.86	1.4	4.7	7.7
Chloroethane	0.86	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN044S081209

Lab ID#: 0908303B-29A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082114**	**Date of Collection: 8/12/09 8:26:00 AM**	
Dil. Factor:	**8.20**	**Date of Analysis: 8/21/09 01:12 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
Tetrachloroethene	0.82	2.2	5.6	15
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN044D081209

Lab ID#: 0908303B-30A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082212**	**Date of Collection: 8/12/09 8:26:00 AM**	
Dil. Factor:	**1.64**	**Date of Analysis: 8/22/09 07:48 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0411S081209

Lab ID#: 0908303B-31A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082115**	**Date of Collection: 8/12/09 8:47:00 AM**	
Dil. Factor:	**8.20**	**Date of Analysis: 8/21/09 01:42 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Trichloroethene	0.82	24	4.4	130
Tetrachloroethene	0.82	0.91	5.6	6.2
1,1,1-Trichloroethane	0.82	2.1	4.5	11
Chloroethane	0.82	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0411D081209

Lab ID#: 0908303B-32A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082213**	**Date of Collection: 8/12/09 8:47:00 AM**	
Dil. Factor:	**1.61**	**Date of Analysis: 8/22/09 08:27 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	1.3	3.2	5.1
1,1,1-Trichloroethane	0.80	7.7	4.4	42
Trichloroethene	0.80	250	4.3	1400
Tetrachloroethene	0.80	10	5.5	70
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0411D081209 Lab Duplicate

Lab ID#: 0908303B-32AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082214**	**Date of Collection: 8/12/09 8:47:00 AM**	
Dil. Factor:	**1.61**	**Date of Analysis: 8/22/09 09:17 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	1.3	3.2	5.2
1,1,1-Trichloroethane	0.80	7.6	4.4	42
Trichloroethene	0.80	250	4.3	1300
Tetrachloroethene	0.80	11	5.5	72
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0431S081209

Lab ID#: 0908303B-33A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082116**	**Date of Collection: 8/12/09 3:10:00 PM**	
Dil. Factor:	**8.05**	**Date of Analysis: 8/21/09 02:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Trichloroethene	0.80	Not Detected	4.3	Not Detected
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0431D081209

Lab ID#: 0908303B-34A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082117**	**Date of Collection: 8/12/09 3:13:00 PM**	
Dil. Factor:	**8.20**	**Date of Analysis: 8/21/09 02:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Trichloroethene	0.82	36	4.4	190
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
1,1,1-Trichloroethane	0.82	1.8	4.5	10
Chloroethane	0.82	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0431D081209 Lab Duplicate

Lab ID#: 0908303B-34AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082119**	**Date of Collection: 8/12/09 3:13:00 PM**	
Dil. Factor:	**8.20**	**Date of Analysis: 8/21/09 04:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Trichloroethene	0.82	34	4.4	180
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
1,1,1-Trichloroethane	0.82	1.7	4.5	9.5
Chloroethane	0.82	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	112	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0412S081209

Lab ID#: 0908303B-35A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082307**	**Date of Collection: 8/12/09 12:37:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 8/23/09 04:53 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	0.98	3.3	3.9
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	4.0	4.6	22
Trichloroethene	0.84	220	4.5	1200
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	77	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0412D081209

Lab ID#: 0908303B-36A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082308**	**Date of Collection:**	**8/12/09 12:32:00 PM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**8/23/09 05:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	2.4	4.6	13
Trichloroethene	0.84	150	4.5	800
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	72	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0413S081209

Lab ID#: 0908303B-37A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082309**	**Date of Collection: 8/12/09 1:03:00 PM**	
Dil. Factor:	**2.28**	**Date of Analysis: 8/23/09 06:12 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
Chloroethane	1.1	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.1	3.2	4.5	13
Freon 113	1.1	Not Detected	8.7	Not Detected
Methylene Chloride	1.1	Not Detected	4.0	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.6	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
1,1,1-Trichloroethane	1.1	34	6.2	180
Trichloroethene	1.1	310	6.1	1700
Tetrachloroethene	1.1	Not Detected	7.7	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	81	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	75	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0413D081209

Lab ID#: 0908303B-38A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082118**	**Date of Collection: 8/12/09 12:53:00 PM**	
Dil. Factor:	**8.95**	**Date of Analysis: 8/21/09 03:19 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Trichloroethene	0.90	20	4.8	100
Tetrachloroethene	0.90	Not Detected	6.1	Not Detected
1,1,1-Trichloroethane	0.90	1.7	4.9	9.1
Chloroethane	0.90	Not Detected	2.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303B-39A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082106**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 08:47 AM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methylene Chloride	0.10	Not Detected	0.35	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303B-39B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082205**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/22/09 02:23 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303B-39C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082305**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/23/09 03:09 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	75	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	74	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303B-40A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 06:21 AM**	

Compound	%Recovery
Vinyl Chloride	106
Freon 113	97
1,1-Dichloroethene	100
Methylene Chloride	100
trans-1,2-Dichloroethene	105
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	110
Trichloroethene	105
Tetrachloroethene	111
1,1,1-Trichloroethane	108
Chloroethane	105

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303B-40B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/22/09 12:19 PM**	

Compound	%Recovery
Vinyl Chloride	103
Chloroethane	100
1,1-Dichloroethene	97
Freon 113	105
Methylene Chloride	92
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	103
Trichloroethene	100
Tetrachloroethene	101
trans-1,2-Dichloroethene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303B-40C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082302a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/23/09 12:34 PM**	

Compound	**%Recovery**
Vinyl Chloride	76
Chloroethane	99
1,1-Dichloroethene	82
Freon 113	81
Methylene Chloride	91
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	71
Trichloroethene	97
Tetrachloroethene	118
trans-1,2-Dichloroethene	103

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	72	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	80	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303B-41A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 06:57 AM**	

Compound	**%Recovery**
Vinyl Chloride	107
Freon 113	106
1,1-Dichloroethene	107
Methylene Chloride	107
trans-1,2-Dichloroethene	105
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	108
Trichloroethene	126
Tetrachloroethene	112
1,1,1-Trichloroethane	107
Chloroethane	102

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303B-41AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**z082104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 07:32 AM**	

Compound	**%Recovery**
Vinyl Chloride	107
Freon 113	107
1,1-Dichloroethene	109
Methylene Chloride	105
trans-1,2-Dichloroethene	102
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	106
Trichloroethene	127
Tetrachloroethene	116
1,1,1-Trichloroethane	105
Chloroethane	101

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303B-41B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/22/09 12:58 PM**	

Compound	**%Recovery**
Vinyl Chloride	97
Chloroethane	96
1,1-Dichloroethene	106
Freon 113	113
Methylene Chloride	100
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	112
1,1,1-Trichloroethane	104
Trichloroethene	99
Tetrachloroethene	100
trans-1,2-Dichloroethene	97

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303B-41BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/22/09 01:42 PM**	

Compound	**%Recovery**
Vinyl Chloride	94
Chloroethane	93
1,1-Dichloroethene	104
Freon 113	109
Methylene Chloride	97
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	109
1,1,1-Trichloroethane	102
Trichloroethene	96
Tetrachloroethene	98
trans-1,2-Dichloroethene	94

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303B-41C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/23/09 01:20 PM**	

Compound	%Recovery
Vinyl Chloride	78
Chloroethane	93
1,1-Dichloroethene	94
Freon 113	95
Methylene Chloride	101
1,1-Dichloroethane	111
cis-1,2-Dichloroethene	112
1,1,1-Trichloroethane	83
Trichloroethene	98
Tetrachloroethene	116
trans-1,2-Dichloroethene	103

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	80	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	74	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303B-41CC

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/23/09 02:17 PM**	

Compound	%Recovery
Vinyl Chloride	74
Chloroethane	88
1,1-Dichloroethene	88
Freon 113	90
Methylene Chloride	92
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	103
1,1,1-Trichloroethane	80
Trichloroethene	95
Tetrachloroethene	107
trans-1,2-Dichloroethene	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	77	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	77	70-130

Air Toxics LTD.
Laboratory Services Since 1989

8/26/2009
Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street

Portland ME 04101

Project Name: GVP
Project #: 2755.03
Workorder #: 0908303C

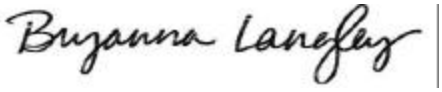
Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 8/14/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 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: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

WORK ORDER #: 0908303C

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	08/14/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/26/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
39A	EN0410D081209	Modified TO-15	6.4 "Hg	5 psi
40A	EN0529S081209	Modified TO-15	6.6 "Hg	5.5 psi
41A	EN0429D081209	Modified TO-15	7.2 "Hg	5 psi
42A	EN0422D081109	Modified TO-15	7.8 "Hg	5 psi
43A	EN049S081209	Modified TO-15	6.4 "Hg	5 psi
44A	DU3325081209	Modified TO-15	6.4 "Hg	5 psi
45A	EN049D081209	Modified TO-15	6.0 "Hg	5 psi
45AA	EN049D081209 Lab Duplicate	Modified TO-15	6.0 "Hg	5 psi
46A	EN0728S081109	Modified TO-15	5.4 "Hg	5 psi
47A	EN0425S081109	Modified TO-15	7.4 "Hg	5 psi
47AA	EN0425S081109 Lab Duplicate	Modified TO-15	7.4 "Hg	5 psi
48A	EN0425D081109	Modified TO-15	6.4 "Hg	5 psi
49A	EN0422S081109	Modified TO-15	7.8 "Hg	5 psi
50A	EN0416S081109	Modified TO-15	6.0 "Hg	5 psi
51A	EN0416D081109	Modified TO-15	7.0 "Hg	5psi
52A	EN0418S081109	Modified TO-15	7.0 "Hg	5 psi
53A	EN0418D081109	Modified TO-15	6.4 "Hg	5 psi

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0908303C

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	08/14/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/26/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
54A	EN0415S081109	Modified TO-15	7.2 "Hg	5 psi
55A	EN0415D081109	Modified TO-15	7.8 "Hg	5 psi
56A	EN0533S081109	Modified TO-15	7.4 "Hg	5 psi
57A	EN0533D081109	Modified TO-15	7.6 "Hg	5 psi
58A	Lab Blank	Modified TO-15	NA	NA
58B	Lab Blank	Modified TO-15	NA	NA
58C	Lab Blank	Modified TO-15	NA	NA
59A	CCV	Modified TO-15	NA	NA
59B	CCV	Modified TO-15	NA	NA
59C	CCV	Modified TO-15	NA	NA
60A	LCS	Modified TO-15	NA	NA
60AA	LCSD	Modified TO-15	NA	NA
60B	LCS	Modified TO-15	NA	NA
60BB	LCSD	Modified TO-15	NA	NA
60C	LCS	Modified TO-15	NA	NA
60CC	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 08/26/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Sanborn, Head & Associates
Workorder# 0908303C

Nineteen 1 Liter Summa Canister (100% Certified) samples were received on August 14, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Sample EN0529S081209 was inadvertently pressurized to 5.5 psi, rather than 5 psi. The analysis proceeded and the reporting limits have been adjusted accordingly.

Analytical Notes

There were no analytical discrepancies.

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 no 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

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0410D081209

Lab ID#: 0908303C-39A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	34	760	130	3000
1,1-Dichloroethane	34	1100	140	4600
cis-1,2-Dichloroethene	34	2700	130	10000
1,1,1-Trichloroethane	34	1100	180	5900
Trichloroethene	34	7200	180	38000
Tetrachloroethene	34	100	230	700

Client Sample ID: EN0529S081209

Lab ID#: 0908303C-40A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.88	8.2	4.8	45
Trichloroethene	0.88	120	4.7	640

Client Sample ID: EN0429D081209

Lab ID#: 0908303C-41A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.88	1.6	4.8	8.9
Trichloroethene	0.88	28	4.7	150

Client Sample ID: EN0422D081109

Lab ID#: 0908303C-42A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.90	1.2	6.9	9.6
1,1-Dichloroethane	0.90	1.8	3.7	7.4
cis-1,2-Dichloroethene	0.90	190	3.6	760
1,1,1-Trichloroethane	0.90	14	4.9	76
Trichloroethene	0.90	160	4.9	860
Tetrachloroethene	0.90	1.2	6.1	8.0
trans-1,2-Dichloroethene	0.90	13	3.6	52

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN049S081209

Lab ID#: 0908303C-43A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	4.2	51	17	200
Freon 113	4.2	5.0	32	38
1,1-Dichloroethane	4.2	38	17	150
cis-1,2-Dichloroethene	4.2	140	17	540
1,1,1-Trichloroethane	4.2	140	23	740
Trichloroethene	4.2	1300	23	7200
Tetrachloroethene	4.2	80	29	540

Client Sample ID: DU3325081209

Lab ID#: 0908303C-44A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	4.2	51	17	200
Freon 113	4.2	4.8	32	37
1,1-Dichloroethane	4.2	36	17	140
cis-1,2-Dichloroethene	4.2	130	17	530
1,1,1-Trichloroethane	4.2	140	23	740
Trichloroethene	4.2	1400	23	7300
Tetrachloroethene	4.2	83	29	560

Client Sample ID: EN049D081209

Lab ID#: 0908303C-45A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	6.7	72	36	390
Trichloroethene	6.7	1400	36	7300
Tetrachloroethene	6.7	28	45	190

Client Sample ID: EN049D081209 Lab Duplicate

Lab ID#: 0908303C-45AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	6.7	67	36	370
Trichloroethene	6.7	1300	36	7000
Tetrachloroethene	6.7	28	45	190

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0728S081109

Lab ID#: 0908303C-46A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.82	3.8	4.4	20
Tetrachloroethene	0.82	61	5.5	410

Client Sample ID: EN0425S081109

Lab ID#: 0908303C-47A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.89	1.1	4.8	5.7
Tetrachloroethene	0.89	1.1	6.0	7.7

Client Sample ID: EN0425S081109 Lab Duplicate

Lab ID#: 0908303C-47AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.89	1.1	4.8	5.7
Tetrachloroethene	0.89	1.2	6.0	8.0

Client Sample ID: EN0425D081109

Lab ID#: 0908303C-48A

No Detections Were Found.

Client Sample ID: EN0422S081109

Lab ID#: 0908303C-49A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.90	1.4	6.9	10
1,1-Dichloroethane	0.90	0.92	3.7	3.7
cis-1,2-Dichloroethene	0.90	71	3.6	280
1,1,1-Trichloroethane	0.90	9.3	4.9	51
Trichloroethene	0.90	140	4.9	730
Tetrachloroethene	0.90	1.0	6.1	6.8
trans-1,2-Dichloroethene	0.90	5.2	3.6	20

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0416S081109

Lab ID#: 0908303C-50A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	1.4	4.5	7.7
Tetrachloroethene	0.84	1.5	5.7	10

Client Sample ID: EN0416D081109

Lab ID#: 0908303C-51A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	2.3	4.2	9.2	16
1,1,1-Trichloroethane	2.3	37	13	200
Trichloroethene	2.3	730	12	3900
Tetrachloroethene	2.3	32	16	210

Client Sample ID: EN0418S081109

Lab ID#: 0908303C-52A

No Detections Were Found.

Client Sample ID: EN0418D081109

Lab ID#: 0908303C-53A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.85	2.2	3.4	8.6
1,1,1-Trichloroethane	0.85	9.3	4.6	51
Trichloroethene	0.85	170	4.6	940
Tetrachloroethene	0.85	1.2	5.8	8.5

Client Sample ID: EN0415S081109

Lab ID#: 0908303C-54A

No Detections Were Found.

Client Sample ID: EN0415D081109

Lab ID#: 0908303C-55A

No Detections Were Found.

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0533S081109

Lab ID#: 0908303C-56A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.89	1.1	4.8	5.8
Trichloroethene	0.89	22	4.8	120
Tetrachloroethene	0.89	3.0	6.0	21

Client Sample ID: EN0533D081109

Lab ID#: 0908303C-57A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	3.6	5.9	14	23
1,1,1-Trichloroethane	3.6	44	20	240
Trichloroethene	3.6	930	19	5000
Tetrachloroethene	3.6	38	24	260

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0410D081209

Lab ID#: 0908303C-39A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082306**	**Date of Collection: 8/12/09 9:31:00 AM**	
Dil. Factor:	**68.0**	**Date of Analysis: 8/23/09 04:05 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	34	Not Detected	87	Not Detected
Chloroethane	34	Not Detected	90	Not Detected
1,1-Dichloroethene	34	760	130	3000
Freon 113	34	Not Detected	260	Not Detected
Methylene Chloride	34	Not Detected	120	Not Detected
1,1-Dichloroethane	34	1100	140	4600
cis-1,2-Dichloroethene	34	2700	130	10000
1,1,1-Trichloroethane	34	1100	180	5900
Trichloroethene	34	7200	180	38000
Tetrachloroethene	34	100	230	700
trans-1,2-Dichloroethene	34	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	73	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	77	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0529S081209

Lab ID#: 0908303C-40A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082525**	**Date of Collection: 8/12/09 9:55:00 AM**	
Dil. Factor:	**1.76**	**Date of Analysis: 8/26/09 01:13 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	8.2	4.8	45
Trichloroethene	0.88	120	4.7	640
Tetrachloroethene	0.88	Not Detected	6.0	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0429D081209

Lab ID#: 0908303C-41A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082524**	**Date of Collection: 8/12/09 9:49:00 AM**	
Dil. Factor:	**1.76**	**Date of Analysis: 8/26/09 12:34 AM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	1.6	4.8	8.9
Trichloroethene	0.88	28	4.7	150
Tetrachloroethene	0.88	Not Detected	6.0	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0422D081109

Lab ID#: 0908303C-42A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082515**	**Date of Collection: 8/11/09 5:34:00 PM**	
Dil. Factor:	**1.81**	**Date of Analysis: 8/25/09 05:54 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.6	Not Detected
Freon 113	0.90	1.2	6.9	9.6
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	1.8	3.7	7.4
cis-1,2-Dichloroethene	0.90	190	3.6	760
1,1,1-Trichloroethane	0.90	14	4.9	76
Trichloroethene	0.90	160	4.9	860
Tetrachloroethene	0.90	1.2	6.1	8.0
trans-1,2-Dichloroethene	0.90	13	3.6	52

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN049S081209

Lab ID#: 0908303C-43A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082526**	**Date of Collection: 8/12/09 10:33:00 AM**	
Dil. Factor:	**8.50**	**Date of Analysis: 8/26/09 05:42 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	4.2	Not Detected	11	Not Detected
Chloroethane	4.2	Not Detected	11	Not Detected
1,1-Dichloroethene	4.2	51	17	200
Freon 113	4.2	5.0	32	38
Methylene Chloride	4.2	Not Detected	15	Not Detected
1,1-Dichloroethane	4.2	38	17	150
cis-1,2-Dichloroethene	4.2	140	17	540
1,1,1-Trichloroethane	4.2	140	23	740
Trichloroethene	4.2	1300	23	7200
Tetrachloroethene	4.2	80	29	540
trans-1,2-Dichloroethene	4.2	Not Detected	17	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU3325081209

Lab ID#: 0908303C-44A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082527**	**Date of Collection: 8/12/09 10:33:00 AM**	
Dil. Factor:	**8.50**	**Date of Analysis: 8/26/09 06:26 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	4.2	Not Detected	11	Not Detected
Chloroethane	4.2	Not Detected	11	Not Detected
1,1-Dichloroethene	4.2	51	17	200
Freon 113	4.2	4.8	32	37
Methylene Chloride	4.2	Not Detected	15	Not Detected
1,1-Dichloroethane	4.2	36	17	140
cis-1,2-Dichloroethene	4.2	130	17	530
1,1,1-Trichloroethane	4.2	140	23	740
Trichloroethene	4.2	1400	23	7300
Tetrachloroethene	4.2	83	29	560
trans-1,2-Dichloroethene	4.2	Not Detected	17	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN049D081209

Lab ID#: 0908303C-45A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082522**	**Date of Collection: 8/12/09 9:15:00 AM**	
Dil. Factor:	**13.4**	**Date of Analysis: 8/25/09 11:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	6.7	Not Detected	17	Not Detected
Chloroethane	6.7	Not Detected	18	Not Detected
1,1-Dichloroethene	6.7	Not Detected	26	Not Detected
Freon 113	6.7	Not Detected	51	Not Detected
Methylene Chloride	6.7	Not Detected	23	Not Detected
1,1-Dichloroethane	6.7	Not Detected	27	Not Detected
cis-1,2-Dichloroethene	6.7	Not Detected	26	Not Detected
1,1,1-Trichloroethane	6.7	72	36	390
Trichloroethene	6.7	1400	36	7300
Tetrachloroethene	6.7	28	45	190
trans-1,2-Dichloroethene	6.7	Not Detected	26	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN049D081209 Lab Duplicate

Lab ID#: 0908303C-45AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082523**	**Date of Collection: 8/12/09 9:15:00 AM**	
Dil. Factor:	**13.4**	**Date of Analysis: 8/25/09 11:55 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	6.7	Not Detected	17	Not Detected
Chloroethane	6.7	Not Detected	18	Not Detected
1,1-Dichloroethene	6.7	Not Detected	26	Not Detected
Freon 113	6.7	Not Detected	51	Not Detected
Methylene Chloride	6.7	Not Detected	23	Not Detected
1,1-Dichloroethane	6.7	Not Detected	27	Not Detected
cis-1,2-Dichloroethene	6.7	Not Detected	26	Not Detected
1,1,1-Trichloroethane	6.7	67	36	370
Trichloroethene	6.7	1300	36	7000
Tetrachloroethene	6.7	28	45	190
trans-1,2-Dichloroethene	6.7	Not Detected	26	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	109	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0728S081109

Lab ID#: 0908303C-46A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082507**	**Date of Collection: 8/11/09 10:00:00 AM**	
Dil. Factor:	**1.63**	**Date of Analysis: 8/25/09 12:43 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.2	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.4	Not Detected
Trichloroethene	0.82	3.8	4.4	20
Tetrachloroethene	0.82	61	5.5	410
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0425S081109

Lab ID#: 0908303C-47A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082514**	**Date of Collection: 8/11/09 5:17:00 PM**	
Dil. Factor:	**1.78**	**Date of Analysis: 8/25/09 05:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.89	Not Detected	2.3	Not Detected
Chloroethane	0.89	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.89	Not Detected	3.5	Not Detected
Freon 113	0.89	Not Detected	6.8	Not Detected
Methylene Chloride	0.89	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.89	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.89	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.89	Not Detected	4.8	Not Detected
Trichloroethene	0.89	1.1	4.8	5.7
Tetrachloroethene	0.89	1.1	6.0	7.7
trans-1,2-Dichloroethene	0.89	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0425S081109 Lab Duplicate

Lab ID#: 0908303C-47AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082516**	**Date of Collection: 8/11/09 5:17:00 PM**	
Dil. Factor:	**1.78**	**Date of Analysis: 8/25/09 06:33 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.89	Not Detected	2.3	Not Detected
Chloroethane	0.89	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.89	Not Detected	3.5	Not Detected
Freon 113	0.89	Not Detected	6.8	Not Detected
Methylene Chloride	0.89	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.89	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.89	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.89	Not Detected	4.8	Not Detected
Trichloroethene	0.89	1.1	4.8	5.7
Tetrachloroethene	0.89	1.2	6.0	8.0
trans-1,2-Dichloroethene	0.89	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0425D081109

Lab ID#: 0908303C-48A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082512**	**Date of Collection: 8/11/09 5:20:00 PM**	
Dil. Factor:	**1.70**	**Date of Analysis: 8/25/09 03:58 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.85	Not Detected	2.2	Not Detected
Chloroethane	0.85	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.85	Not Detected	3.4	Not Detected
Freon 113	0.85	Not Detected	6.5	Not Detected
Methylene Chloride	0.85	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.85	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.85	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.85	Not Detected	4.6	Not Detected
Trichloroethene	0.85	Not Detected	4.6	Not Detected
Tetrachloroethene	0.85	Not Detected	5.8	Not Detected
trans-1,2-Dichloroethene	0.85	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0422S081109

Lab ID#: 0908303C-49A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082513**	**Date of Collection: 8/11/09 5:31:00 PM**	
Dil. Factor:	**1.81**	**Date of Analysis: 8/25/09 04:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.6	Not Detected
Freon 113	0.90	1.4	6.9	10
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	0.92	3.7	3.7
cis-1,2-Dichloroethene	0.90	71	3.6	280
1,1,1-Trichloroethane	0.90	9.3	4.9	51
Trichloroethene	0.90	140	4.9	730
Tetrachloroethene	0.90	1.0	6.1	6.8
trans-1,2-Dichloroethene	0.90	5.2	3.6	20

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0416S081109

Lab ID#: 0908303C-50A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082509**	**Date of Collection: 8/11/09 3:24:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 8/25/09 02:01 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	1.4	4.5	7.7
Tetrachloroethene	0.84	1.5	5.7	10
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0416D081109

Lab ID#: 0908303C-51A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082510**	**Date of Collection: 8/11/09 3:20:00 PM**	
Dil. Factor:	**4.67**	**Date of Analysis: 8/25/09 02:40 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.3	Not Detected	6.0	Not Detected
Chloroethane	2.3	Not Detected	6.2	Not Detected
1,1-Dichloroethene	2.3	Not Detected	9.2	Not Detected
Freon 113	2.3	Not Detected	18	Not Detected
Methylene Chloride	2.3	Not Detected	8.1	Not Detected
1,1-Dichloroethane	2.3	Not Detected	9.4	Not Detected
cis-1,2-Dichloroethene	2.3	4.2	9.2	16
1,1,1-Trichloroethane	2.3	37	13	200
Trichloroethene	2.3	730	12	3900
Tetrachloroethene	2.3	32	16	210
trans-1,2-Dichloroethene	2.3	Not Detected	9.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0418S081109

Lab ID#: 0908303C-52A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082511**	**Date of Collection: 8/11/09 3:40:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 8/25/09 03:19 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0418D081109

Lab ID#: 0908303C-53A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082315**	**Date of Collection: 8/11/09 3:36:00 PM**	
Dil. Factor:	**1.70**	**Date of Analysis: 8/23/09 10:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.85	Not Detected	2.2	Not Detected
Chloroethane	0.85	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.85	Not Detected	3.4	Not Detected
Freon 113	0.85	Not Detected	6.5	Not Detected
Methylene Chloride	0.85	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.85	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.85	2.2	3.4	8.6
1,1,1-Trichloroethane	0.85	9.3	4.6	51
Trichloroethene	0.85	170	4.6	940
Tetrachloroethene	0.85	1.2	5.8	8.5
trans-1,2-Dichloroethene	0.85	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	72	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	77	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0415S081109

Lab ID#: 0908303C-54A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082314**	**Date of Collection: 8/11/09 12:35:00 PM**	
Dil. Factor:	**1.76**	**Date of Analysis: 8/23/09 10:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
Tetrachloroethene	0.88	Not Detected	6.0	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	72	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	78	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0415D081109

Lab ID#: 0908303C-55A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082313**	**Date of Collection: 8/11/09 12:30:00 PM**	
Dil. Factor:	**1.81**	**Date of Analysis: 8/23/09 09:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.6	Not Detected
Freon 113	0.90	Not Detected	6.9	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.7	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.6	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Trichloroethene	0.90	Not Detected	4.9	Not Detected
Tetrachloroethene	0.90	Not Detected	6.1	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.6	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	71	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	76	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0533S081109

Lab ID#: 0908303C-56A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082312**	**Date of Collection:**	**8/11/09 12:52:00 PM**
Dil. Factor:	**1.78**	**Date of Analysis:**	**8/23/09 08:27 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.89	Not Detected	2.3	Not Detected
Chloroethane	0.89	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.89	Not Detected	3.5	Not Detected
Freon 113	0.89	Not Detected	6.8	Not Detected
Methylene Chloride	0.89	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.89	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.89	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.89	1.1	4.8	5.8
Trichloroethene	0.89	22	4.8	120
Tetrachloroethene	0.89	3.0	6.0	21
trans-1,2-Dichloroethene	0.89	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	79	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	75	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0533D081109

Lab ID#: 0908303C-57A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082508**	**Date of Collection:**	**8/11/09 12:47:00 PM**
Dil. Factor:	**7.16**	**Date of Analysis:**	**8/25/09 01:22 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.6	Not Detected	9.2	Not Detected
Chloroethane	3.6	Not Detected	9.4	Not Detected
1,1-Dichloroethene	3.6	Not Detected	14	Not Detected
Freon 113	3.6	Not Detected	27	Not Detected
Methylene Chloride	3.6	Not Detected	12	Not Detected
1,1-Dichloroethane	3.6	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	3.6	5.9	14	23
1,1,1-Trichloroethane	3.6	44	20	240
Trichloroethene	3.6	930	19	5000
Tetrachloroethene	3.6	38	24	260
trans-1,2-Dichloroethene	3.6	Not Detected	14	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303C-58A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082305**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/23/09 03:09 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	75	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	74	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303C-58B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 09:55 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303C-58C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082521**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 10:29 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303C-59A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082302a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/23/09 12:34 PM**	

Compound	**%Recovery**
Vinyl Chloride	76
Chloroethane	99
1,1-Dichloroethene	82
Freon 113	81
Methylene Chloride	91
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	71
Trichloroethene	97
Tetrachloroethene	118
trans-1,2-Dichloroethene	103

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	72	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	80	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303C-59B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 07:29 AM**	

Compound	**%Recovery**
Vinyl Chloride	96
Chloroethane	107
1,1-Dichloroethene	96
Freon 113	101
Methylene Chloride	91
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	97
1,1,1-Trichloroethane	96
Trichloroethene	99
Tetrachloroethene	98
trans-1,2-Dichloroethene	101

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303C-59C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082518**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 07:59 PM**	

Compound	**%Recovery**
Vinyl Chloride	99
Chloroethane	109
1,1-Dichloroethene	98
Freon 113	105
Methylene Chloride	93
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	100
1,1,1-Trichloroethane	103
Trichloroethene	105
Tetrachloroethene	103
trans-1,2-Dichloroethene	101

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303C-60A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/23/09 01:20 PM**	

Compound	**%Recovery**
Vinyl Chloride	78
Chloroethane	93
1,1-Dichloroethene	94
Freon 113	95
Methylene Chloride	101
1,1-Dichloroethane	111
cis-1,2-Dichloroethene	112
1,1,1-Trichloroethane	83
Trichloroethene	98
Tetrachloroethene	116
trans-1,2-Dichloroethene	103

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	80	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	74	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303C-60AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y082304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/23/09 02:17 PM**	

Compound	%Recovery
Vinyl Chloride	74
Chloroethane	88
1,1-Dichloroethene	88
Freon 113	90
Methylene Chloride	92
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	103
1,1,1-Trichloroethane	80
Trichloroethene	95
Tetrachloroethene	107
trans-1,2-Dichloroethene	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	77	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	77	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303C-60B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 08:08 AM**	

Compound	**%Recovery**
Vinyl Chloride	92
Chloroethane	101
1,1-Dichloroethene	104
Freon 113	107
Methylene Chloride	98
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	109
1,1,1-Trichloroethane	96
Trichloroethene	95
Tetrachloroethene	95
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303C-60BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 08:48 AM**	

Compound	**%Recovery**
Vinyl Chloride	91
Chloroethane	101
1,1-Dichloroethene	104
Freon 113	106
Methylene Chloride	97
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	109
1,1,1-Trichloroethane	97
Trichloroethene	95
Tetrachloroethene	93
trans-1,2-Dichloroethene	96

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303C-60C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082519**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 08:38 PM**	

Compound	**%Recovery**
Vinyl Chloride	92
Chloroethane	101
1,1-Dichloroethene	106
Freon 113	108
Methylene Chloride	99
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	111
1,1,1-Trichloroethane	101
Trichloroethene	98
Tetrachloroethene	96
trans-1,2-Dichloroethene	96

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303C-60CC

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082520**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 09:17 PM**	

Compound	**%Recovery**
Vinyl Chloride	92
Chloroethane	100
1,1-Dichloroethene	106
Freon 113	106
Methylene Chloride	98
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	110
1,1,1-Trichloroethane	99
Trichloroethene	99
Tetrachloroethene	95
trans-1,2-Dichloroethene	94

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics LTD.
Laboratory Services Since 1989

8/27/2009

Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street

Portland ME 04101

Project Name: GVP
Project #: 2755.03
Workorder #: 0908303D

Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 8/14/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 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: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Bryanna Langley
Project Manager

WORK ORDER #: 0908303D

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	08/14/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/27/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
58A	DU2136081109	Modified TO-15	7.4 "Hg	5 psi
59A	EN0637S081109	Modified TO-15	6.4 "Hg	5 psi
60A	EN0637D081109	Modified TO-15	5.8 "Hg	5 psi
61A	EN0728D081109	Modified TO-15	6.2 "Hg	5 psi
62A	EN0426S081009	Modified TO-15	6.4 "Hg	5 psi
63A	EN0426D081009	Modified TO-15	6.6 "Hg	5.3 psi
64A	EN0423S081109	Modified TO-15	6.2 "Hg	5 psi
65A	EN0423D081109	Modified TO-15	7.6 "Hg	5 psi
66A	EN0427S081009	Modified TO-15	7.6 "Hg	5 psi
67A	DU34081081009	Modified TO-15	7.0 "Hg	5 psi
68A	EN0534S081009	Modified TO-15	7.4 "Hg	5 psi
69A	EN0534D081009	Modified TO-15	6.2 "Hg	5 psi
70A	EN0430S081209	Modified TO-15	6.6 "Hg	5 psi
71A	EN0430D081209	Modified TO-15	6.6 "Hg	5 psi
72A	EN043S081209	Modified TO-15	6.0 "Hg	5 psi
73A	EN043D081209	Modified TO-15	6.0 "Hg	5 psi
73AA	EN043D081209 Lab Duplicate	Modified TO-15	6.0 "Hg	5 psi

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0908303D

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	08/14/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/27/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
74A	Lab Blank	Modified TO-15	NA	NA
74B	Lab Blank	Modified TO-15	NA	NA
74C	Lab Blank	Modified TO-15	NA	NA
74D	Lab Blank	Modified TO-15	NA	NA
75A	CCV	Modified TO-15	NA	NA
75B	CCV	Modified TO-15	NA	NA
75C	CCV	Modified TO-15	NA	NA
75D	CCV	Modified TO-15	NA	NA
76A	LCS	Modified TO-15	NA	NA
76AA	LCSD	Modified TO-15	NA	NA
76B	LCS	Modified TO-15	NA	NA
76BB	LCSD	Modified TO-15	NA	NA
76C	LCS	Modified TO-15	NA	NA
76CC	LCSD	Modified TO-15	NA	NA
76D	LCS	Modified TO-15	NA	NA
76DD	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 08/27/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Sanborn, Head & Associates
Workorder# 0908303D

Sixteen 1 Liter Summa Canister (100% Certified) samples were received on August 14, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for sample EN0430D081209 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Sample EN0426D081009 was inadvertently pressurized to 5.3 psi, rather than 5 psi. The analysis proceeded and the reporting limits have been adjusted accordingly.

Analytical Notes

The recovery of 4-Bromofluorobenzene in the LCSD was outside control limits. All results duplicate between the LCS and its duplicate.

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 no 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

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: DU2136081109

Lab ID#: 0908303D-58A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.89	1.4	3.5	5.6
1,1-Dichloroethane	0.89	4.4	3.6	18
cis-1,2-Dichloroethene	0.89	29	3.5	120
Trichloroethene	0.89	68	4.8	360
Tetrachloroethene	0.89	1.9	6.0	13

Client Sample ID: EN0637S081109

Lab ID#: 0908303D-59A

No Detections Were Found.

Client Sample ID: EN0637D081109

Lab ID#: 0908303D-60A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.83	4.4	3.3	17
Trichloroethene	0.83	5.8	4.5	31
Tetrachloroethene	0.83	3.8	5.6	26

Client Sample ID: EN0728D081109

Lab ID#: 0908303D-61A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.84	10	3.4	40
Trichloroethene	0.84	23	4.5	120
Tetrachloroethene	0.84	260	5.7	1700
trans-1,2-Dichloroethene	0.84	4.0	3.4	16

Client Sample ID: EN0426S081009

Lab ID#: 0908303D-62A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.85	1.8	6.5	14
1,1,1-Trichloroethane	0.85	18	4.6	99
Trichloroethene	0.85	240	4.6	1300

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0426S081009

Lab ID#: 0908303D-62A

Tetrachloroethene	0.85	2.6	5.8	17

Client Sample ID: EN0426D081009

Lab ID#: 0908303D-63A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	1.7	3.4	13	26
1,1,1-Trichloroethane	1.7	21	9.5	110
Trichloroethene	1.7	360	9.4	2000
Tetrachloroethene	1.7	2.2	12	14

Client Sample ID: EN0423S081109

Lab ID#: 0908303D-64A

No Detections Were Found.

Client Sample ID: EN0423D081109

Lab ID#: 0908303D-65A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.90	1.4	3.5	5.4
1,1-Dichloroethane	0.90	4.2	3.6	17
cis-1,2-Dichloroethene	0.90	26	3.5	100
Trichloroethene	0.90	67	4.8	360
Tetrachloroethene	0.90	1.9	6.1	13

Client Sample ID: EN0427S081009

Lab ID#: 0908303D-66A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.90	21	4.9	110
Trichloroethene	0.90	140	4.8	740
Tetrachloroethene	0.90	21	6.1	140

Client Sample ID: DU34081081009

Lab ID#: 0908303D-67A

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: DU34081081009

Lab ID#: 0908303D-67A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.88	15	4.8	80
Trichloroethene	0.88	96	4.7	520
Tetrachloroethene	0.88	14	5.9	98

Client Sample ID: EN0534S081009

Lab ID#: 0908303D-68A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.89	2.6	4.8	14

Client Sample ID: EN0534D081009

Lab ID#: 0908303D-69A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	54	4.5	290
Tetrachloroethene	0.84	4.5	5.7	30
1,1,1-Trichloroethane	0.84	4.2	4.6	23

Client Sample ID: EN0430S081209

Lab ID#: 0908303D-70A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	1.5	1.9	6.0	7.5
1,1,1-Trichloroethane	1.5	3.7	8.2	20
Trichloroethene	1.5	420	8.1	2300
Tetrachloroethene	1.5	1.8	10	12

Client Sample ID: EN0430D081209

Lab ID#: 0908303D-71A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.86	1.2	6.6	9.1
1,1-Dichloroethane	0.86	2.2	3.5	8.7
cis-1,2-Dichloroethene	0.86	4.7	3.4	18

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0430D081209

Lab ID#: 0908303D-71A

1,1,1-Trichloroethane	0.86	18	4.7	100
Trichloroethene	0.86	170	4.6	930
Tetrachloroethene	0.86	6.9	5.8	47

Client Sample ID: EN043S081209

Lab ID#: 0908303D-72A

No Detections Were Found.

Client Sample ID: EN043D081209

Lab ID#: 0908303D-73A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	2.6	4.5	14

Client Sample ID: EN043D081209 Lab Duplicate

Lab ID#: 0908303D-73AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	2.7	4.5	14

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU2136081109

Lab ID#: 0908303D-58A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082107**	**Date of Collection: 8/11/09 10:18:00 AM**	
Dil. Factor:	**8.90**	**Date of Analysis: 8/21/09 09:32 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.89	Not Detected	2.3	Not Detected
Freon 113	0.89	Not Detected	6.8	Not Detected
1,1-Dichloroethene	0.89	Not Detected	3.5	Not Detected
Methylene Chloride	0.89	Not Detected	3.1	Not Detected
trans-1,2-Dichloroethene	0.89	1.4	3.5	5.6
1,1-Dichloroethane	0.89	4.4	3.6	18
cis-1,2-Dichloroethene	0.89	29	3.5	120
Trichloroethene	0.89	68	4.8	360
Tetrachloroethene	0.89	1.9	6.0	13
1,1,1-Trichloroethane	0.89	Not Detected	4.8	Not Detected
Chloroethane	0.89	Not Detected	2.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	111	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0637S081109

Lab ID#: 0908303D-59A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082108**	**Date of Collection: 8/11/09 9:29:00 AM**	
Dil. Factor:	**8.50**	**Date of Analysis: 8/21/09 10:25 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.85	Not Detected	2.2	Not Detected
Freon 113	0.85	Not Detected	6.5	Not Detected
1,1-Dichloroethene	0.85	Not Detected	3.4	Not Detected
Methylene Chloride	0.85	Not Detected	3.0	Not Detected
trans-1,2-Dichloroethene	0.85	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.85	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.85	Not Detected	3.4	Not Detected
Trichloroethene	0.85	Not Detected	4.6	Not Detected
Tetrachloroethene	0.85	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	0.85	Not Detected	4.6	Not Detected
Chloroethane	0.85	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0637D081109

Lab ID#: 0908303D-60A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082109**	**Date of Collection: 8/11/09 9:33:00 AM**	
Dil. Factor:	**8.30**	**Date of Analysis: 8/21/09 10:58 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.83	Not Detected	2.1	Not Detected
Freon 113	0.83	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.83	Not Detected	3.3	Not Detected
Methylene Chloride	0.83	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.83	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.83	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.83	4.4	3.3	17
Trichloroethene	0.83	5.8	4.5	31
Tetrachloroethene	0.83	3.8	5.6	26
1,1,1-Trichloroethane	0.83	Not Detected	4.5	Not Detected
Chloroethane	0.83	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	112	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0728D081109

Lab ID#: 0908303D-61A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082125**	**Date of Collection: 8/11/09 9:54:00 AM**	
Dil. Factor:	**1.69**	**Date of Analysis: 8/21/09 10:48 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.2	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Freon 113	0.84	Not Detected	6.5	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	10	3.4	40
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	23	4.5	120
Tetrachloroethene	0.84	260	5.7	1700
trans-1,2-Dichloroethene	0.84	4.0	3.4	16

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0426S081009

Lab ID#: 0908303D-62A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082126**	**Date of Collection: 8/10/09 5:10:00 PM**	
Dil. Factor:	**1.70**	**Date of Analysis: 8/21/09 11:27 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.85	Not Detected	2.2	Not Detected
Chloroethane	0.85	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.85	Not Detected	3.4	Not Detected
Freon 113	0.85	1.8	6.5	14
Methylene Chloride	0.85	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.85	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.85	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.85	18	4.6	99
Trichloroethene	0.85	240	4.6	1300
Tetrachloroethene	0.85	2.6	5.8	17
trans-1,2-Dichloroethene	0.85	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0426D081009

Lab ID#: 0908303D-63A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082127**	**Date of Collection: 8/10/09 4:47:00 PM**	
Dil. Factor:	**3.48**	**Date of Analysis: 8/22/09 12:06 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.7	Not Detected	4.4	Not Detected
Chloroethane	1.7	Not Detected	4.6	Not Detected
1,1-Dichloroethene	1.7	Not Detected	6.9	Not Detected
Freon 113	1.7	3.4	13	26
Methylene Chloride	1.7	Not Detected	6.0	Not Detected
1,1-Dichloroethane	1.7	Not Detected	7.0	Not Detected
cis-1,2-Dichloroethene	1.7	Not Detected	6.9	Not Detected
1,1,1-Trichloroethane	1.7	21	9.5	110
Trichloroethene	1.7	360	9.4	2000
Tetrachloroethene	1.7	2.2	12	14
trans-1,2-Dichloroethene	1.7	Not Detected	6.9	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0423S081109

Lab ID#: 0908303D-64A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082110**	**Date of Collection: 8/11/09 9:14:00 AM**	
Dil. Factor:	**8.45**	**Date of Analysis: 8/21/09 11:29 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.2	Not Detected
Freon 113	0.84	Not Detected	6.5	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0423D081109

Lab ID#: 0908303D-65A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082111**	**Date of Collection:**	**8/11/09 10:18:00 AM**
Dil. Factor:	**8.95**	**Date of Analysis:**	**8/21/09 12:00 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
trans-1,2-Dichloroethene	0.90	1.4	3.5	5.4
1,1-Dichloroethane	0.90	4.2	3.6	17
cis-1,2-Dichloroethene	0.90	26	3.5	100
Trichloroethene	0.90	67	4.8	360
Tetrachloroethene	0.90	1.9	6.1	13
1,1,1-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	113	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0427S081009

Lab ID#: 0908303D-66A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082206**	**Date of Collection: 8/10/09 5:40:00 PM**	
Dil. Factor:	**1.79**	**Date of Analysis: 8/22/09 03:33 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.90	21	4.9	110
Trichloroethene	0.90	140	4.8	740
Tetrachloroethene	0.90	21	6.1	140
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU34081081009

Lab ID#: 0908303D-67A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082207**	**Date of Collection: 8/10/09 5:40:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 8/22/09 04:12 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	15	4.8	80
Trichloroethene	0.88	96	4.7	520
Tetrachloroethene	0.88	14	5.9	98
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0534S081009

Lab ID#: 0908303D-68A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082112**	**Date of Collection: 8/10/09 5:00:00 PM**	
Dil. Factor:	**8.90**	**Date of Analysis: 8/21/09 12:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.89	Not Detected	2.3	Not Detected
Freon 113	0.89	Not Detected	6.8	Not Detected
1,1-Dichloroethene	0.89	Not Detected	3.5	Not Detected
Methylene Chloride	0.89	Not Detected	3.1	Not Detected
trans-1,2-Dichloroethene	0.89	Not Detected	3.5	Not Detected
1,1-Dichloroethane	0.89	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.89	Not Detected	3.5	Not Detected
Trichloroethene	0.89	2.6	4.8	14
Tetrachloroethene	0.89	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	0.89	Not Detected	4.8	Not Detected
Chloroethane	0.89	Not Detected	2.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	115	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0534D081009

Lab ID#: 0908303D-69A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082113**	**Date of Collection: 8/10/09 4:31:00 PM**	
Dil. Factor:	**8.45**	**Date of Analysis: 8/21/09 01:03 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.2	Not Detected
Freon 113	0.84	Not Detected	6.5	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	54	4.5	290
Tetrachloroethene	0.84	4.5	5.7	30
1,1,1-Trichloroethane	0.84	4.2	4.6	23
Chloroethane	0.84	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	78	70-130
4-Bromofluorobenzene	116	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0430S081209

Lab ID#: 0908303D-70A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082506**	**Date of Collection: 8/12/09 11:01:00 AM**	
Dil. Factor:	**3.01**	**Date of Analysis: 8/25/09 11:24 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.5	Not Detected	3.8	Not Detected
Chloroethane	1.5	Not Detected	4.0	Not Detected
1,1-Dichloroethene	1.5	Not Detected	6.0	Not Detected
Freon 113	1.5	Not Detected	12	Not Detected
Methylene Chloride	1.5	Not Detected	5.2	Not Detected
1,1-Dichloroethane	1.5	Not Detected	6.1	Not Detected
cis-1,2-Dichloroethene	1.5	1.9	6.0	7.5
1,1,1-Trichloroethane	1.5	3.7	8.2	20
Trichloroethene	1.5	420	8.1	2300
Tetrachloroethene	1.5	1.8	10	12
trans-1,2-Dichloroethene	1.5	Not Detected	6.0	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0430D081209

Lab ID#: 0908303D-71A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082209**	**Date of Collection: 8/12/09 11:01:00 AM**	
Dil. Factor:	**1.72**	**Date of Analysis: 8/22/09 05:44 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	1.2	6.6	9.1
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	2.2	3.5	8.7
cis-1,2-Dichloroethene	0.86	4.7	3.4	18
1,1,1-Trichloroethane	0.86	18	4.7	100
Trichloroethene	0.86	170	4.6	930
Tetrachloroethene	0.86	6.9	5.8	47
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN043S081209

Lab ID#: 0908303D-72A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082114**	**Date of Collection: 8/12/09 11:18:00 AM**	
Dil. Factor:	**8.40**	**Date of Analysis: 8/21/09 01:34 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	113	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN043D081209

Lab ID#: 0908303D-73A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082115**	**Date of Collection:**	**8/12/09 11:18:00 AM**
Dil. Factor:	**8.40**	**Date of Analysis:**	**8/21/09 02:06 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Trichloroethene	0.84	2.6	4.5	14
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	79	70-130
4-Bromofluorobenzene	114	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN043D081209 Lab Duplicate

Lab ID#: 0908303D-73AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082116**	**Date of Collection: 8/12/09 11:18:00 AM**	
Dil. Factor:	**8.40**	**Date of Analysis: 8/21/09 02:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Trichloroethene	0.84	2.7	4.5	14
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	80	70-130
4-Bromofluorobenzene	113	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303D-74A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082106**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 08:54 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methylene Chloride	0.10	Not Detected	0.35	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303D-74B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082123**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 09:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303D-74C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082205**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/22/09 02:23 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303D-74D

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 09:55 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303D-75A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 06:30 AM**	

Compound	%Recovery
Vinyl Chloride	104
Freon 113	111
1,1-Dichloroethene	96
Methylene Chloride	96
trans-1,2-Dichloroethene	97
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	98
Trichloroethene	104
Tetrachloroethene	114
1,1,1-Trichloroethane	111
Chloroethane	105

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	112	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303D-75B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082120**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 06:56 PM**	

Compound	%Recovery
Vinyl Chloride	105
Chloroethane	103
1,1-Dichloroethene	98
Freon 113	107
Methylene Chloride	93
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	99
1,1,1-Trichloroethane	103
Trichloroethene	101
Tetrachloroethene	102
trans-1,2-Dichloroethene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303D-75C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/22/09 12:19 PM**	

Compound	**%Recovery**
Vinyl Chloride	103
Chloroethane	100
1,1-Dichloroethene	97
Freon 113	105
Methylene Chloride	92
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	103
Trichloroethene	100
Tetrachloroethene	101
trans-1,2-Dichloroethene	100

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303D-75D

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 07:29 AM**	

Compound	%Recovery
Vinyl Chloride	96
Chloroethane	107
1,1-Dichloroethene	96
Freon 113	101
Methylene Chloride	91
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	97
1,1,1-Trichloroethane	96
Trichloroethene	99
Tetrachloroethene	98
trans-1,2-Dichloroethene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303D-76A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 07:06 AM**	

Compound	%Recovery
Vinyl Chloride	97
Freon 113	116
1,1-Dichloroethene	104
Methylene Chloride	102
trans-1,2-Dichloroethene	95
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	99
Trichloroethene	101
Tetrachloroethene	105
1,1,1-Trichloroethane	106
Chloroethane	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303D-76AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 07:39 AM**	

Compound	**%Recovery**
Vinyl Chloride	95
Freon 113	114
1,1-Dichloroethene	105
Methylene Chloride	102
trans-1,2-Dichloroethene	95
1,1-Dichloroethane	95
cis-1,2-Dichloroethene	100
Trichloroethene	104
Tetrachloroethene	125
1,1,1-Trichloroethane	106
Chloroethane	98

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	135 Q	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303D-76B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082121**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 07:35 PM**	

Compound	%Recovery
Vinyl Chloride	102
Chloroethane	100
1,1-Dichloroethene	110
Freon 113	116
Methylene Chloride	103
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	114
1,1,1-Trichloroethane	106
Trichloroethene	102
Tetrachloroethene	101
trans-1,2-Dichloroethene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303D-76BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082122**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 08:14 PM**	

Compound	**%Recovery**
Vinyl Chloride	100
Chloroethane	98
1,1-Dichloroethene	109
Freon 113	113
Methylene Chloride	102
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	114
1,1,1-Trichloroethane	104
Trichloroethene	99
Tetrachloroethene	100
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303D-76C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/22/09 12:58 PM**	

Compound	**%Recovery**
Vinyl Chloride	97
Chloroethane	96
1,1-Dichloroethene	106
Freon 113	113
Methylene Chloride	100
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	112
1,1,1-Trichloroethane	104
Trichloroethene	99
Tetrachloroethene	100
trans-1,2-Dichloroethene	97

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303D-76CC

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/22/09 01:42 PM**	

Compound	%Recovery
Vinyl Chloride	94
Chloroethane	93
1,1-Dichloroethene	104
Freon 113	109
Methylene Chloride	97
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	109
1,1,1-Trichloroethane	102
Trichloroethene	96
Tetrachloroethene	98
trans-1,2-Dichloroethene	94

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303D-76D

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 08:08 AM**	

Compound	%Recovery
Vinyl Chloride	92
Chloroethane	101
1,1-Dichloroethene	104
Freon 113	107
Methylene Chloride	98
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	109
1,1,1-Trichloroethane	96
Trichloroethene	95
Tetrachloroethene	95
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303D-76DD

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/25/09 08:48 AM**	

Compound	**%Recovery**
Vinyl Chloride	91
Chloroethane	101
1,1-Dichloroethene	104
Freon 113	106
Methylene Chloride	97
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	109
1,1,1-Trichloroethane	97
Trichloroethene	95
Tetrachloroethene	93
trans-1,2-Dichloroethene	96

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

8/28/2009
Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street

Portland ME 04101

Project Name: GVP
Project #: 2755.03
Workorder #: 0908303E

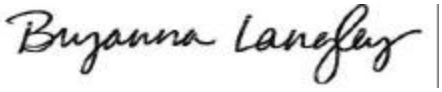
Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 8/14/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 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: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0908303E

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	08/14/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/27/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
74A	EN042S081209	Modified TO-15	5.5 "Hg	5psi
75A	EN042D081209	Modified TO-15	5.0 "Hg	5 psi
76A	EN0410S081309	Modified TO-15	5.5 "Hg	5 psi
77A	EB35556081009	Modified TO-15	6.5 "Hg	5 psi
78A	EB3356081109	Modified TO-15	5.0 "Hg	5 psi
79A	EB3299081209	Modified TO-15	6.0 "Hg	5 psi
80A	Lab Blank	Modified TO-15	NA	NA
80B	Lab Blank	Modified TO-15	NA	NA
81A	CCV	Modified TO-15	NA	NA
81B	CCV	Modified TO-15	NA	NA
82A	LCS	Modified TO-15	NA	NA
82AA	LCSD	Modified TO-15	NA	NA
82B	LCS	Modified TO-15	NA	NA
82BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 08/28/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Sanborn, Head & Associates
Workorder# 0908303E

Six 1 Liter Summa Canister (100% Certified) samples were received on August 14, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The recovery of 4-Bromofluorobenzene in the LCSD was outside control limits. All results duplicate between the LCS and its duplicate.

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 no 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

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN042S081209

Lab ID#: 0908303E-74A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.82	2.4	4.4	13

Client Sample ID: EN042D081209

Lab ID#: 0908303E-75A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.80	3.2	4.4	18
Trichloroethene	0.80	26	4.3	140
Tetrachloroethene	0.80	4.0	5.5	27

Client Sample ID: EN0410S081309

Lab ID#: 0908303E-76A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	33	360	130	1400
1,1-Dichloroethane	33	1000	130	4200
cis-1,2-Dichloroethene	33	2300	130	9200
1,1,1-Trichloroethane	33	1700	180	9400
Trichloroethene	33	8500	180	46000
Tetrachloroethene	33	83	220	560

Client Sample ID: EB35556081009

Lab ID#: 0908303E-77A

No Detections Were Found.

Client Sample ID: EB3356081109

Lab ID#: 0908303E-78A

No Detections Were Found.

Client Sample ID: EB3299081209

Lab ID#: 0908303E-79A

No Detections Were Found.

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN042S081209

Lab ID#: 0908303E-74A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082115**	**Date of Collection: 8/12/09 1:41:00 PM**	
Dil. Factor:	**1.64**	**Date of Analysis: 8/21/09 03:05 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Trichloroethene	0.82	2.4	4.4	13
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN042D081209

Lab ID#: 0908303E-75A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082116**	**Date of Collection: 8/12/09 1:41:00 PM**	
Dil. Factor:	**1.61**	**Date of Analysis: 8/21/09 03:46 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.80	3.2	4.4	18
Trichloroethene	0.80	26	4.3	140
Tetrachloroethene	0.80	4.0	5.5	27
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0410S081309

Lab ID#: 0908303E-76A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082117**	**Date of Collection: 8/13/09 8:32:00 AM**	
Dil. Factor:	**65.6**	**Date of Analysis: 8/21/09 04:58 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	33	Not Detected	84	Not Detected
Chloroethane	33	Not Detected	86	Not Detected
1,1-Dichloroethene	33	360	130	1400
Freon 113	33	Not Detected	250	Not Detected
Methylene Chloride	33	Not Detected	110	Not Detected
1,1-Dichloroethane	33	1000	130	4200
cis-1,2-Dichloroethene	33	2300	130	9200
1,1,1-Trichloroethane	33	1700	180	9400
Trichloroethene	33	8500	180	46000
Tetrachloroethene	33	83	220	560
trans-1,2-Dichloroethene	33	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130

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Laboratory Services Since 1989

Client Sample ID: EB35556081009

Lab ID#: 0908303E-77A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082118**	**Date of Collection: 8/10/09 6:30:00 PM**	
Dil. Factor:	**1.71**	**Date of Analysis: 8/21/09 05:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EB3356081109

Lab ID#: 0908303E-78A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082117**	**Date of Collection: 8/11/09 6:20:00 PM**	
Dil. Factor:	**8.05**	**Date of Analysis: 8/21/09 03:29 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Trichloroethene	0.80	Not Detected	4.3	Not Detected
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	111	70-130
4-Bromofluorobenzene	109	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EB3299081209

Lab ID#: 0908303E-79A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082118**	**Date of Collection: 8/12/09 5:40:00 PM**	
Dil. Factor:	**8.40**	**Date of Analysis: 8/21/09 04:01 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	123	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303E-80A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082105**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 08:10 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0908303E-80B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082106**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 08:54 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methylene Chloride	0.10	Not Detected	0.35	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303E-81A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 06:01 AM**	

Compound	**%Recovery**
Vinyl Chloride	101
Chloroethane	99
1,1-Dichloroethene	95
Freon 113	103
Methylene Chloride	93
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	99
Trichloroethene	98
Tetrachloroethene	98
trans-1,2-Dichloroethene	101

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0908303E-81B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 06:30 AM**	

Compound	**%Recovery**
Vinyl Chloride	104
Freon 113	111
1,1-Dichloroethene	96
Methylene Chloride	96
trans-1,2-Dichloroethene	97
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	98
Trichloroethene	104
Tetrachloroethene	114
1,1,1-Trichloroethane	111
Chloroethane	105

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	112	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303E-82A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 06:40 AM**	

Compound	**%Recovery**
Vinyl Chloride	96
Chloroethane	95
1,1-Dichloroethene	104
Freon 113	111
Methylene Chloride	98
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	108
1,1,1-Trichloroethane	99
Trichloroethene	96
Tetrachloroethene	96
trans-1,2-Dichloroethene	97

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303E-82AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7082104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 07:19 AM**	

Compound	%Recovery
Vinyl Chloride	96
Chloroethane	96
1,1-Dichloroethene	105
Freon 113	111
Methylene Chloride	100
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	110
1,1,1-Trichloroethane	101
Trichloroethene	97
Tetrachloroethene	97
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0908303E-82B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 07:06 AM**	

Compound	%Recovery
Vinyl Chloride	97
Freon 113	116
1,1-Dichloroethene	104
Methylene Chloride	102
trans-1,2-Dichloroethene	95
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	99
Trichloroethene	101
Tetrachloroethene	105
1,1,1-Trichloroethane	106
Chloroethane	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	108	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0908303E-82BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s082104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/21/09 07:39 AM**	

Compound	%Recovery
Vinyl Chloride	95
Freon 113	114
1,1-Dichloroethene	105
Methylene Chloride	102
trans-1,2-Dichloroethene	95
1,1-Dichloroethane	95
cis-1,2-Dichloroethene	100
Trichloroethene	104
Tetrachloroethene	125
1,1,1-Trichloroethane	106
Chloroethane	98

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	135 Q	70-130

10/22/2009
Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street

Portland ME 04101

Project Name: GVP
Project #: 2755.03
Workorder #: 0910255A

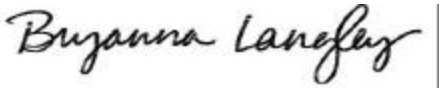
Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 10/9/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 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: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0910255A

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	10/09/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	10/22/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	EN047S100609	Modified TO-15	7.0 "Hg	5 psi
02A	EN047D100609	Modified TO-15	5.5 "Hg	5 psi
03A	EN0411S100609	Modified TO-15	6.0 "Hg	5 psi
03AA	EN0411S100609 Lab Duplicate	Modified TO-15	6.0 "Hg	5 psi
04A	EN0411D100609	Modified TO-15	6.0 "Hg	5 psi
05A	EN0432S100609	Modified TO-15	6.0 "Hg	5 psi
06A	EN0432D100609	Modified TO-15	6.5 "Hg	5 psi
07A	EN0431S100609	Modified TO-15	7.0 "Hg	5 psi
08A	EN0431D100609	Modified TO-15	7.0 "Hg	5 psi
09A	EN043S100609	Modified TO-15	7.0 "Hg	5 psi
10A	EN043D100609	Modified TO-15	5.5 "Hg	5 psi
11A	DU6599100609	Modified TO-15	5.0 "Hg	5 psi
12A	EN0529S100609	Modified TO-15	6.0 "Hg	5 psi
13A	EN0429D100609	Modified TO-15	5.0 "Hg	5 psi
14A	EN049S100609	Modified TO-15	6.0 "Hg	5 psi
15A	EN049D100609	Modified TO-15	5.5 "Hg	5 psi
16A	EN042S100709	Modified TO-15	7.0 "Hg	5 psi

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0910255A

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	10/09/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	10/22/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
17A	EN042D100709	Modified TO-15	5.0 "Hg	5 psi
18A	EN041S100709	Modified TO-15	7.0 "Hg	5 psi
19A	EN041D100709	Modified TO-15	6.0 "Hg	5 psi
19AA	EN041D100709 Lab Duplicate	Modified TO-15	6.0 "Hg	5 psi
20A	Lab Blank	Modified TO-15	NA	NA
20B	Lab Blank	Modified TO-15	NA	NA
21A	CCV	Modified TO-15	NA	NA
21B	CCV	Modified TO-15	NA	NA
22A	LCS	Modified TO-15	NA	NA
22AA	LCSD	Modified TO-15	NA	NA
22B	LCS	Modified TO-15	NA	NA
22BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 10/22/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Sanborn, Head & Associates
Workorder# 0910255A

Nineteen 1 Liter Summa Canister (100% Certified) samples were received on October 09, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for sample EN049D100609 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

There were no analytical discrepancies.

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

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN047S100609

Lab ID#: 0910255A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.88	4.2	5.9	28

Client Sample ID: EN047D100609

Lab ID#: 0910255A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	3.3	8.1	13	32
1,1,1-Trichloroethane	3.3	43	18	230
Trichloroethene	3.3	950	18	5100

Client Sample ID: EN0411S100609

Lab ID#: 0910255A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.84	1.1	4.6	6.1
Trichloroethene	0.84	29	4.5	160
Tetrachloroethene	0.84	1.0	5.7	6.8

Client Sample ID: EN0411S100609 Lab Duplicate

Lab ID#: 0910255A-03AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.84	1.3	4.6	7.0
Trichloroethene	0.84	28	4.5	150
Tetrachloroethene	0.84	1.2	5.7	8.0

Client Sample ID: EN0411D100609

Lab ID#: 0910255A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.84	1.4	3.3	5.5
1,1,1-Trichloroethane	0.84	6.7	4.6	37
Trichloroethene	0.84	310	4.5	1700
Tetrachloroethene	0.84	6.5	5.7	44

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0432S100609

Lab ID#: 0910255A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	54	4.5	290

Client Sample ID: EN0432D100609

Lab ID#: 0910255A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.86	1.7	4.7	9.1
Trichloroethene	0.86	170	4.6	900

Client Sample ID: EN0431S100609

Lab ID#: 0910255A-07A

No Detections Were Found.

Client Sample ID: EN0431D100609

Lab ID#: 0910255A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.88	1.4	4.8	7.5
Trichloroethene	0.88	35	4.7	190

Client Sample ID: EN043S100609

Lab ID#: 0910255A-09A

No Detections Were Found.

Client Sample ID: EN043D100609

Lab ID#: 0910255A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.82	4.1	4.4	22

Client Sample ID: DU6599100609

Lab ID#: 0910255A-11A

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: DU6599100609

Lab ID#: 0910255A-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.80	4.4	4.3	24

Client Sample ID: EN0529S100609

Lab ID#: 0910255A-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.84	7.5	4.6	41
Trichloroethene	0.84	120	4.5	640

Client Sample ID: EN0429D100609

Lab ID#: 0910255A-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	3.2	37	18	200
Trichloroethene	3.2	640	17	3500

Client Sample ID: EN049S100609

Lab ID#: 0910255A-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	5.6	60	30	330
Trichloroethene	5.6	1300	30	7200
Tetrachloroethene	5.6	28	38	190

Client Sample ID: EN049D100609

Lab ID#: 0910255A-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	8.2	110	32	420
Freon 113	8.2	11	63	86
1,1-Dichloroethane	8.2	62	33	250
cis-1,2-Dichloroethene	8.2	220	32	880
1,1,1-Trichloroethane	8.2	190	45	1000
Trichloroethene	8.2	2100	44	11000

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN049D100609

Lab ID#: 0910255A-15A

Tetrachloroethene	8.2	130	56	870

Client Sample ID: EN042S100709

Lab ID#: 0910255A-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.88	1.5	4.7	8.1
Tetrachloroethene	0.88	1.3	5.9	8.7

Client Sample ID: EN042D100709

Lab ID#: 0910255A-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.80	3.6	4.4	20
Trichloroethene	0.80	28	4.3	150
Tetrachloroethene	0.80	3.7	5.5	25

Client Sample ID: EN041S100709

Lab ID#: 0910255A-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.88	2.5	4.7	13

Client Sample ID: EN041D100709

Lab ID#: 0910255A-19A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.84	5.0	4.6	27
Trichloroethene	0.84	37	4.5	200
Tetrachloroethene	0.84	2.4	5.7	16

Client Sample ID: EN041D100709 Lab Duplicate

Lab ID#: 0910255A-19AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN041D100709 Lab Duplicate

Lab ID#: 0910255A-19AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.84	4.5	4.6	25
Trichloroethene	0.84	36	4.5	190
Tetrachloroethene	0.84	2.2	5.7	15

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN047S100609

Lab ID#: 0910255A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101719**	**Date of Collection: 10/6/09 12:05:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 10/17/09 06:43 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
Tetrachloroethene	0.88	4.2	5.9	28
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN047D100609

Lab ID#: 0910255A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101824**	**Date of Collection: 10/6/09 12:05:00 PM**	
Dil. Factor:	**6.56**	**Date of Analysis: 10/18/09 07:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.3	Not Detected	8.4	Not Detected
Chloroethane	3.3	Not Detected	8.6	Not Detected
1,1-Dichloroethene	3.3	Not Detected	13	Not Detected
Freon 113	3.3	Not Detected	25	Not Detected
Methylene Chloride	3.3	Not Detected	11	Not Detected
1,1-Dichloroethane	3.3	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	3.3	8.1	13	32
1,1,1-Trichloroethane	3.3	43	18	230
Trichloroethene	3.3	950	18	5100
Tetrachloroethene	3.3	Not Detected	22	Not Detected
trans-1,2-Dichloroethene	3.3	Not Detected	13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0411S100609

Lab ID#: 0910255A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101720**	**Date of Collection: 10/6/09 1:30:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 10/17/09 07:22 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	1.1	4.6	6.1
Trichloroethene	0.84	29	4.5	160
Tetrachloroethene	0.84	1.0	5.7	6.8
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0411S100609 Lab Duplicate

Lab ID#: 0910255A-03AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101721**	**Date of Collection: 10/6/09 1:30:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 10/17/09 07:47 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	1.3	4.6	7.0
Trichloroethene	0.84	28	4.5	150
Tetrachloroethene	0.84	1.2	5.7	8.0
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	111	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0411D100609

Lab ID#: 0910255A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101722**	**Date of Collection: 10/6/09 1:05:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 10/17/09 08:27 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	1.4	3.3	5.5
1,1,1-Trichloroethane	0.84	6.7	4.6	37
Trichloroethene	0.84	310	4.5	1700
Tetrachloroethene	0.84	6.5	5.7	44
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0432S100609

Lab ID#: 0910255A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101723**	**Date of Collection: 10/6/09 1:05:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 10/17/09 08:55 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	54	4.5	290
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0432D100609

Lab ID#: 0910255A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101724**	**Date of Collection: 10/6/09 3:53:00 PM**	
Dil. Factor:	**1.71**	**Date of Analysis: 10/17/09 09:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.86	1.7	4.7	9.1
Trichloroethene	0.86	170	4.6	900
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0431S100609

Lab ID#: 0910255A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101725**	**Date of Collection: 10/6/09 3:55:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 10/17/09 09:46 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0431D100609

Lab ID#: 0910255A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101726**	**Date of Collection: 10/6/09 2:06:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 10/17/09 10:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	1.4	4.8	7.5
Trichloroethene	0.88	35	4.7	190
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN043S100609

Lab ID#: 0910255A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101727**	**Date of Collection: 10/6/09 2:06:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 10/17/09 10:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN043D100609

Lab ID#: 0910255A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101808**	**Date of Collection: 10/6/09 3:30:00 PM**	
Dil. Factor:	**1.64**	**Date of Analysis: 10/18/09 11:18 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Trichloroethene	0.82	4.1	4.4	22
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU6599100609

Lab ID#: 0910255A-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101809**	**Date of Collection: 10/6/09 4:26:00 PM**	
Dil. Factor:	**1.61**	**Date of Analysis: 10/18/09 11:45 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Trichloroethene	0.80	4.4	4.3	24
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0529S100609

Lab ID#: 0910255A-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101810**	**Date of Collection: 10/6/09 4:26:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 10/18/09 12:17 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	7.5	4.6	41
Trichloroethene	0.84	120	4.5	640
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0429D100609

Lab ID#: 0910255A-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101811**	**Date of Collection: 10/6/09 10:12:00 AM**	
Dil. Factor:	**6.44**	**Date of Analysis: 10/18/09 12:49 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.2	Not Detected	8.2	Not Detected
Chloroethane	3.2	Not Detected	8.5	Not Detected
1,1-Dichloroethene	3.2	Not Detected	13	Not Detected
Freon 113	3.2	Not Detected	25	Not Detected
Methylene Chloride	3.2	Not Detected	11	Not Detected
1,1-Dichloroethane	3.2	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	3.2	Not Detected	13	Not Detected
1,1,1-Trichloroethane	3.2	37	18	200
Trichloroethene	3.2	640	17	3500
Tetrachloroethene	3.2	Not Detected	22	Not Detected
trans-1,2-Dichloroethene	3.2	Not Detected	13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN049S100609

Lab ID#: 0910255A-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101812**	**Date of Collection: 10/6/09 10:12:00 AM**	
Dil. Factor:	**11.2**	**Date of Analysis: 10/18/09 01:27 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	5.6	Not Detected	14	Not Detected
Chloroethane	5.6	Not Detected	15	Not Detected
1,1-Dichloroethene	5.6	Not Detected	22	Not Detected
Freon 113	5.6	Not Detected	43	Not Detected
Methylene Chloride	5.6	Not Detected	19	Not Detected
1,1-Dichloroethane	5.6	Not Detected	23	Not Detected
cis-1,2-Dichloroethene	5.6	Not Detected	22	Not Detected
1,1,1-Trichloroethane	5.6	60	30	330
Trichloroethene	5.6	1300	30	7200
Tetrachloroethene	5.6	28	38	190
trans-1,2-Dichloroethene	5.6	Not Detected	22	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN049D100609

Lab ID#: 0910255A-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101813**	**Date of Collection: 10/6/09 9:45:00 AM**	
Dil. Factor:	**16.4**	**Date of Analysis: 10/18/09 01:55 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	8.2	Not Detected	21	Not Detected
Chloroethane	8.2	Not Detected	22	Not Detected
1,1-Dichloroethene	8.2	110	32	420
Freon 113	8.2	11	63	86
Methylene Chloride	8.2	Not Detected	28	Not Detected
1,1-Dichloroethane	8.2	62	33	250
cis-1,2-Dichloroethene	8.2	220	32	880
1,1,1-Trichloroethane	8.2	190	45	1000
Trichloroethene	8.2	2100	44	11000
Tetrachloroethene	8.2	130	56	870
trans-1,2-Dichloroethene	8.2	Not Detected	32	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN042S100709

Lab ID#: 0910255A-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101814**	**Date of Collection: 10/7/09 9:48:00 AM**	
Dil. Factor:	**1.75**	**Date of Analysis: 10/18/09 02:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	1.5	4.7	8.1
Tetrachloroethene	0.88	1.3	5.9	8.7
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN042D100709

Lab ID#: 0910255A-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101815**	**Date of Collection: 10/7/09 12:20:00 PM**	
Dil. Factor:	**1.61**	**Date of Analysis: 10/18/09 02:59 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.80	3.6	4.4	20
Trichloroethene	0.80	28	4.3	150
Tetrachloroethene	0.80	3.7	5.5	25
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN041S100709

Lab ID#: 0910255A-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101816**	**Date of Collection: 10/7/09 12:20:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 10/18/09 03:35 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	2.5	4.7	13
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN041D100709

Lab ID#: 0910255A-19A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101817**	**Date of Collection: 10/7/09 1:35:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 10/18/09 04:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	5.0	4.6	27
Trichloroethene	0.84	37	4.5	200
Tetrachloroethene	0.84	2.4	5.7	16
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN041D100709 Lab Duplicate

Lab ID#: 0910255A-19AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101818**	**Date of Collection: 10/7/09 1:35:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 10/18/09 04:29 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	4.5	4.6	25
Trichloroethene	0.84	36	4.5	190
Tetrachloroethene	0.84	2.2	5.7	15
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0910255A-20A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101717**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/17/09 05:12 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0910255A-20B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101807**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/18/09 10:42 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0910255A-21A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101711**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/17/09 01:23 PM**	

Compound	%Recovery
Vinyl Chloride	106
Chloroethane	102
1,1-Dichloroethene	112
Freon 113	113
Methylene Chloride	98
1,1-Dichloroethane	107
cis-1,2-Dichloroethene	118
1,1,1-Trichloroethane	110
Trichloroethene	118
Tetrachloroethene	109
trans-1,2-Dichloroethene	115

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	111	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0910255A-21B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/18/09 07:40 AM**	

Compound	%Recovery
Vinyl Chloride	93
Chloroethane	93
1,1-Dichloroethene	98
Freon 113	102
Methylene Chloride	85
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	105
1,1,1-Trichloroethane	97
Trichloroethene	112
Tetrachloroethene	110
trans-1,2-Dichloroethene	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0910255A-22A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101713**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/17/09 02:19 PM**	

Compound	%Recovery
Vinyl Chloride	98
Chloroethane	102
1,1-Dichloroethene	118
Freon 113	120
Methylene Chloride	98
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	116
1,1,1-Trichloroethane	107
Trichloroethene	108
Tetrachloroethene	108
trans-1,2-Dichloroethene	109

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0910255A-22AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101714**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/17/09 02:47 PM**	

Compound	**%Recovery**
Vinyl Chloride	97
Chloroethane	98
1,1-Dichloroethene	119
Freon 113	123
Methylene Chloride	97
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	113
1,1,1-Trichloroethane	103
Trichloroethene	111
Tetrachloroethene	103
trans-1,2-Dichloroethene	107

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0910255A-22B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/18/09 08:10 AM**	

Compound	%Recovery
Vinyl Chloride	94
Chloroethane	94
1,1-Dichloroethene	116
Freon 113	118
Methylene Chloride	94
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	108
1,1,1-Trichloroethane	102
Trichloroethene	107
Tetrachloroethene	106
trans-1,2-Dichloroethene	105

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0910255A-22BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/18/09 08:41 AM**	

Compound	**%Recovery**
Vinyl Chloride	96
Chloroethane	95
1,1-Dichloroethene	117
Freon 113	122
Methylene Chloride	97
1,1-Dichloroethane	107
cis-1,2-Dichloroethene	109
1,1,1-Trichloroethane	104
Trichloroethene	109
Tetrachloroethene	104
trans-1,2-Dichloroethene	112

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

10/22/2009
Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street

Portland ME 04101

Project Name: GVP
Project #: 2755.03
Workorder #: 0910255B

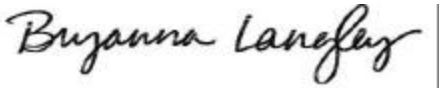
Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 10/9/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 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: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

WORK ORDER #: 0910255B

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	10/09/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	10/22/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
20A	EN0430D100709	Modified TO-15	6.5 "Hg	5 psi
21A	DU3830100709	Modified TO-15	6.0 "Hg	5 psi
22A	EN0430S100709	Modified TO-15	5.5 "Hg	5 psi
22AA	EN0430S100709 Lab Duplicate	Modified TO-15	5.5 "Hg	5 psi
23A	EN0412S100709	Modified TO-15	5.0 "Hg	5 psi
24A	EN0412D100709	Modified TO-15	5.5 "Hg	5 psi
25A	EN0417D100709	Modified TO-15	5.5 "Hg	5 psi
26A	EN0417S100709	Modified TO-15	6.5 "Hg	5 psi
27A	EN0534D100709	Modified TO-15	0.0 "Hg	5 psi
28A	DU3358100709	Modified TO-15	7.5 "Hg	5 psi
29A	EN0534S100709	Modified TO-15	5.0 "Hg	5 psi
30A	EN0533S100709	Modified TO-15	5.0 "Hg	5 psi
31A	EN0533D100709	Modified TO-15	5.0 "Hg	5 psi
32A	EN0728S100809	Modified TO-15	6.0 "Hg	5 psi
33A	EN0728D100809	Modified TO-15	4.5 "Hg	5 psi
34A	EN0637S100809	Modified TO-15	7.0 "Hg	5 psi
34AA	EN0637S100809 Lab Duplicate	Modified TO-15	7.0 "Hg	5 psi

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0910255B

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	BCT2755
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	10/09/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	10/22/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
35A	EN0637D100809	Modified TO-15	6.0 "Hg	5 psi
36A	EB3370100809	Modified TO-15	2.0 "Hg	5 psi
37A	Lab Blank	Modified TO-15	NA	NA
37B	Lab Blank	Modified TO-15	NA	NA
37C	Lab Blank	Modified TO-15	NA	NA
38A	CCV	Modified TO-15	NA	NA
38B	CCV	Modified TO-15	NA	NA
38C	CCV	Modified TO-15	NA	NA
39A	LCS	Modified TO-15	NA	NA
39AA	LCSD	Modified TO-15	NA	NA
39B	LCS	Modified TO-15	NA	NA
39BB	LCSD	Modified TO-15	NA	NA
39C	LCS	Modified TO-15	NA	NA
39CC	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 10/22/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Sanborn, Head & Associates
Workorder# 0910255B

Seventeen 1 Liter Summa Canister (100% Certified) samples were received on October 09, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Summa canister for sample EN0534D100709 was leaking upon arrival. The client was notified and the analysis proceeded. Reported analyte concentrations are considered to be estimated.

Analytical Notes

There were no analytical discrepancies.

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 no 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

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0430D100709

Lab ID#: 0910255B-20A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethane	1.7	5.7	6.9	23
cis-1,2-Dichloroethene	1.7	6.4	6.8	25
1,1,1-Trichloroethane	1.7	25	9.3	140
Trichloroethene	1.7	280	9.2	1500
Tetrachloroethene	1.7	10	12	68

Client Sample ID: DU3830100709

Lab ID#: 0910255B-21A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.84	1.4	6.4	11
1,1-Dichloroethane	0.84	6.2	3.4	25
cis-1,2-Dichloroethene	0.84	7.0	3.3	28
1,1,1-Trichloroethane	0.84	27	4.6	150
Trichloroethene	0.84	280	4.5	1500
Tetrachloroethene	0.84	10	5.7	72

Client Sample ID: EN0430S100709

Lab ID#: 0910255B-22A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.4	2.3	7.8	13
Trichloroethene	1.4	350	7.7	1900

Client Sample ID: EN0430S100709 Lab Duplicate

Lab ID#: 0910255B-22AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.4	2.3	7.8	13
Trichloroethene	1.4	350	7.7	1900

Client Sample ID: EN0412S100709

Lab ID#: 0910255B-23A

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0412S100709

Lab ID#: 0910255B-23A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.80	5.3	4.4	29
Trichloroethene	0.80	240	4.3	1300

Client Sample ID: EN0412D100709

Lab ID#: 0910255B-24A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.82	4.3	4.5	24
Trichloroethene	0.82	190	4.4	1000

Client Sample ID: EN0417D100709

Lab ID#: 0910255B-25A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.82	10	4.4	54

Client Sample ID: EN0417S100709

Lab ID#: 0910255B-26A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.86	0.92	4.7	5.0
Trichloroethene	0.86	50	4.6	270

Client Sample ID: EN0534D100709

Lab ID#: 0910255B-27A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.67	2.8	3.6	15
Trichloroethene	0.67	40	3.6	210
Tetrachloroethene	0.67	3.1	4.5	21

Client Sample ID: DU3358100709

Lab ID#: 0910255B-28A

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: DU3358100709

Lab ID#: 0910255B-28A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.90	4.0	4.9	22
Trichloroethene	0.90	62	4.8	330
Tetrachloroethene	0.90	4.5	6.1	31

Client Sample ID: EN0534S100709

Lab ID#: 0910255B-29A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.80	2.4	4.3	13

Client Sample ID: EN0533S100709

Lab ID#: 0910255B-30A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.2	1.3	6.4	7.1
Trichloroethene	1.2	17	6.3	90
Tetrachloroethene	1.2	2.0	8.0	13

Client Sample ID: EN0533D100709

Lab ID#: 0910255B-31A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	2.1	15	12	82
Trichloroethene	2.1	460	12	2400
Tetrachloroethene	2.1	14	14	94

Client Sample ID: EN0728S100809

Lab ID#: 0910255B-32A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	2.4	4.5	13
Tetrachloroethene	0.84	48	5.7	320

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0728D100809

Lab ID#: 0910255B-33A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.79	9.7	3.1	39
Trichloroethene	0.79	20	4.2	110
Tetrachloroethene	0.79	210	5.4	1400
trans-1,2-Dichloroethene	0.79	2.4	3.1	9.7

Client Sample ID: EN0637S100809

Lab ID#: 0910255B-34A

No Detections Were Found.

Client Sample ID: EN0637S100809 Lab Duplicate

Lab ID#: 0910255B-34AA

No Detections Were Found.

Client Sample ID: EN0637D100809

Lab ID#: 0910255B-35A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.84	4.1	3.3	16
Trichloroethene	0.84	5.8	4.5	31
Tetrachloroethene	0.84	2.2	5.7	15

Client Sample ID: EB3370100809

Lab ID#: 0910255B-36A

No Detections Were Found.

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0430D100709

Lab ID#: 0910255B-20A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t101715**	**Date of Collection:**	**10/7/09 10:00:00 AM**
Dil. Factor:	**3.42**	**Date of Analysis:**	**10/17/09 07:26 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.7	Not Detected	4.4	Not Detected
Chloroethane	1.7	Not Detected	4.5	Not Detected
1,1-Dichloroethene	1.7	Not Detected	6.8	Not Detected
Freon 113	1.7	Not Detected	13	Not Detected
Methylene Chloride	1.7	Not Detected	5.9	Not Detected
1,1-Dichloroethane	1.7	5.7	6.9	23
cis-1,2-Dichloroethene	1.7	6.4	6.8	25
1,1,1-Trichloroethane	1.7	25	9.3	140
Trichloroethene	1.7	280	9.2	1500
Tetrachloroethene	1.7	10	12	68
trans-1,2-Dichloroethene	1.7	Not Detected	6.8	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU3830100709

Lab ID#: 0910255B-21A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t101716**	**Date of Collection:**	**10/7/09 9:45:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**10/17/09 08:16 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	1.4	6.4	11
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	6.2	3.4	25
cis-1,2-Dichloroethene	0.84	7.0	3.3	28
1,1,1-Trichloroethane	0.84	27	4.6	150
Trichloroethene	0.84	280	4.5	1500
Tetrachloroethene	0.84	10	5.7	72
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0430S100709

Lab ID#: 0910255B-22A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102111**	**Date of Collection: 10/7/09 11:45:00 AM**	
Dil. Factor:	**2.87**	**Date of Analysis: 10/21/09 02:51 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.4	Not Detected	3.7	Not Detected
Chloroethane	1.4	Not Detected	3.8	Not Detected
1,1-Dichloroethene	1.4	Not Detected	5.7	Not Detected
Freon 113	1.4	Not Detected	11	Not Detected
Methylene Chloride	1.4	Not Detected	5.0	Not Detected
1,1-Dichloroethane	1.4	Not Detected	5.8	Not Detected
cis-1,2-Dichloroethene	1.4	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.4	2.3	7.8	13
Trichloroethene	1.4	350	7.7	1900
Tetrachloroethene	1.4	Not Detected	9.7	Not Detected
trans-1,2-Dichloroethene	1.4	Not Detected	5.7	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0430S100709 Lab Duplicate

Lab ID#: 0910255B-22AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102112**	**Date of Collection: 10/7/09 11:45:00 AM**	
Dil. Factor:	**2.87**	**Date of Analysis: 10/21/09 03:29 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.4	Not Detected	3.7	Not Detected
Chloroethane	1.4	Not Detected	3.8	Not Detected
1,1-Dichloroethene	1.4	Not Detected	5.7	Not Detected
Freon 113	1.4	Not Detected	11	Not Detected
Methylene Chloride	1.4	Not Detected	5.0	Not Detected
1,1-Dichloroethane	1.4	Not Detected	5.8	Not Detected
cis-1,2-Dichloroethene	1.4	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.4	2.3	7.8	13
Trichloroethene	1.4	350	7.7	1900
Tetrachloroethene	1.4	Not Detected	9.7	Not Detected
trans-1,2-Dichloroethene	1.4	Not Detected	5.7	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0412S100709

Lab ID#: 0910255B-23A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t101718**	**Date of Collection: 10/7/09 11:35:00 AM**	
Dil. Factor:	**1.61**	**Date of Analysis: 10/17/09 09:57 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.80	5.3	4.4	29
Trichloroethene	0.80	240	4.3	1300
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0412D100709

Lab ID#: 0910255B-24A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t101719**	**Date of Collection:**	**10/7/09 11:56:00 AM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**10/17/09 10:33 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.82	4.3	4.5	24
Trichloroethene	0.82	190	4.4	1000
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0417D100709

Lab ID#: 0910255B-25A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102009**	**Date of Collection: 10/7/09 11:59:00 AM**	
Dil. Factor:	**1.64**	**Date of Analysis: 10/20/09 01:12 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
Chloroethane	0.82	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
Methylene Chloride	0.82	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Trichloroethene	0.82	10	4.4	54
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0417S100709

Lab ID#: 0910255B-26A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102010**	**Date of Collection: 10/7/09 2:10:00 PM**	
Dil. Factor:	**1.71**	**Date of Analysis: 10/20/09 02:03 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
1,1,1-Trichloroethane	0.86	0.92	4.7	5.0
Trichloroethene	0.86	50	4.6	270
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0534D100709

Lab ID#: 0910255B-27A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102011**	**Date of Collection: 10/7/09 2:08:00 PM**	
Dil. Factor:	**1.34**	**Date of Analysis: 10/20/09 02:59 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.67	Not Detected	1.7	Not Detected
Chloroethane	0.67	Not Detected	1.8	Not Detected
1,1-Dichloroethene	0.67	Not Detected	2.6	Not Detected
Freon 113	0.67	Not Detected	5.1	Not Detected
Methylene Chloride	0.67	Not Detected	2.3	Not Detected
1,1-Dichloroethane	0.67	Not Detected	2.7	Not Detected
cis-1,2-Dichloroethene	0.67	Not Detected	2.6	Not Detected
1,1,1-Trichloroethane	0.67	2.8	3.6	15
Trichloroethene	0.67	40	3.6	210
Tetrachloroethene	0.67	3.1	4.5	21
trans-1,2-Dichloroethene	0.67	Not Detected	2.6	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: DU3358100709

Lab ID#: 0910255B-28A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102012**	**Date of Collection: 10/7/09 4:03:00 PM**	
Dil. Factor:	**1.79**	**Date of Analysis: 10/20/09 03:36 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.90	4.0	4.9	22
Trichloroethene	0.90	62	4.8	330
Tetrachloroethene	0.90	4.5	6.1	31
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0534S100709

Lab ID#: 0910255B-29A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102013**	**Date of Collection: 10/7/09 5:28:00 PM**	
Dil. Factor:	**1.61**	**Date of Analysis: 10/20/09 04:29 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Trichloroethene	0.80	2.4	4.3	13
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0533S100709

Lab ID#: 0910255B-30A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102014**	**Date of Collection: 10/7/09 5:28:00 PM**	
Dil. Factor:	**2.35**	**Date of Analysis: 10/20/09 05:11 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Freon 113	1.2	Not Detected	9.0	Not Detected
Methylene Chloride	1.2	Not Detected	4.1	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
1,1,1-Trichloroethane	1.2	1.3	6.4	7.1
Trichloroethene	1.2	17	6.3	90
Tetrachloroethene	1.2	2.0	8.0	13
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0533D100709

Lab ID#: 0910255B-31A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102015**	**Date of Collection: 10/7/09 4:25:00 PM**	
Dil. Factor:	**4.29**	**Date of Analysis: 10/20/09 05:48 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.1	Not Detected	5.5	Not Detected
Chloroethane	2.1	Not Detected	5.7	Not Detected
1,1-Dichloroethene	2.1	Not Detected	8.5	Not Detected
Freon 113	2.1	Not Detected	16	Not Detected
Methylene Chloride	2.1	Not Detected	7.4	Not Detected
1,1-Dichloroethane	2.1	Not Detected	8.7	Not Detected
cis-1,2-Dichloroethene	2.1	Not Detected	8.5	Not Detected
1,1,1-Trichloroethane	2.1	15	12	82
Trichloroethene	2.1	460	12	2400
Tetrachloroethene	2.1	14	14	94
trans-1,2-Dichloroethene	2.1	Not Detected	8.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0728S100809

Lab ID#: 0910255B-32A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102016**	**Date of Collection: 10/8/09 4:33:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 10/20/09 06:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	2.4	4.5	13
Tetrachloroethene	0.84	48	5.7	320
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0728D100809

Lab ID#: 0910255B-33A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102107**	**Date of Collection: 10/8/09 4:59:00 PM**	
Dil. Factor:	**1.58**	**Date of Analysis: 10/21/09 11:23 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.79	Not Detected	2.0	Not Detected
Chloroethane	0.79	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Freon 113	0.79	Not Detected	6.0	Not Detected
Methylene Chloride	0.79	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.79	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.79	9.7	3.1	39
1,1,1-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Trichloroethene	0.79	20	4.2	110
Tetrachloroethene	0.79	210	5.4	1400
trans-1,2-Dichloroethene	0.79	2.4	3.1	9.7

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0637S100809

Lab ID#: 0910255B-34A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102108**	**Date of Collection: 10/8/09 5:10:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 10/21/09 12:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0637S100809 Lab Duplicate

Lab ID#: 0910255B-34AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102109**	**Date of Collection: 10/8/09 5:10:00 PM**	
Dil. Factor:	**1.75**	**Date of Analysis: 10/21/09 01:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0637D100809

Lab ID#: 0910255B-35A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102110**	**Date of Collection: 10/8/09 9:25:00 AM**	
Dil. Factor:	**1.68**	**Date of Analysis: 10/21/09 02:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
Methylene Chloride	0.84	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	0.84	4.1	3.3	16
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Trichloroethene	0.84	5.8	4.5	31
Tetrachloroethene	0.84	2.2	5.7	15
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EB3370100809

Lab ID#: 0910255B-36A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102113**	**Date of Collection: 10/8/09 11:19:00 AM**	
Dil. Factor:	**1.44**	**Date of Analysis: 10/21/09 04:05 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.72	Not Detected	1.8	Not Detected
Chloroethane	0.72	Not Detected	1.9	Not Detected
1,1-Dichloroethene	0.72	Not Detected	2.8	Not Detected
Freon 113	0.72	Not Detected	5.5	Not Detected
Methylene Chloride	0.72	Not Detected	2.5	Not Detected
1,1-Dichloroethane	0.72	Not Detected	2.9	Not Detected
cis-1,2-Dichloroethene	0.72	Not Detected	2.8	Not Detected
1,1,1-Trichloroethane	0.72	Not Detected	3.9	Not Detected
Trichloroethene	0.72	Not Detected	3.9	Not Detected
Tetrachloroethene	0.72	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.72	Not Detected	2.8	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0910255B-37A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t101714**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/17/09 06:36 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0910255B-37B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102008**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/20/09 12:15 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0910255B-37C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102106**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/21/09 10:30 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0910255B-38A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t101711**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/17/09 04:17 PM**	

Compound	%Recovery
Vinyl Chloride	107
Chloroethane	105
1,1-Dichloroethene	117
Freon 113	106
Methylene Chloride	101
1,1-Dichloroethane	111
cis-1,2-Dichloroethene	113
1,1,1-Trichloroethane	102
Trichloroethene	114
Tetrachloroethene	115
trans-1,2-Dichloroethene	112

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0910255B-38B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/20/09 08:20 AM**	

Compound	%Recovery
Vinyl Chloride	108
Chloroethane	105
1,1-Dichloroethene	118
Freon 113	107
Methylene Chloride	103
1,1-Dichloroethane	114
cis-1,2-Dichloroethene	115
1,1,1-Trichloroethane	104
Trichloroethene	120
Tetrachloroethene	121
trans-1,2-Dichloroethene	114

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0910255B-38C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/21/09 07:28 AM**	

Compound	**%Recovery**
Vinyl Chloride	108
Chloroethane	106
1,1-Dichloroethene	116
Freon 113	106
Methylene Chloride	101
1,1-Dichloroethane	112
cis-1,2-Dichloroethene	114
1,1,1-Trichloroethane	101
Trichloroethene	116
Tetrachloroethene	116
trans-1,2-Dichloroethene	112

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0910255B-39A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t101712**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/17/09 04:58 PM**	

Compound	%Recovery
Vinyl Chloride	96
Chloroethane	97
1,1-Dichloroethene	118
Freon 113	108
Methylene Chloride	102
1,1-Dichloroethane	107
cis-1,2-Dichloroethene	106
1,1,1-Trichloroethane	96
Trichloroethene	108
Tetrachloroethene	108
trans-1,2-Dichloroethene	104

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0910255B-39AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t101713**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/17/09 05:48 PM**	

Compound	**%Recovery**
Vinyl Chloride	98
Chloroethane	96
1,1-Dichloroethene	120
Freon 113	109
Methylene Chloride	102
1,1-Dichloroethane	109
cis-1,2-Dichloroethene	108
1,1,1-Trichloroethane	96
Trichloroethene	108
Tetrachloroethene	110
trans-1,2-Dichloroethene	105

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0910255B-39B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/20/09 09:04 AM**	

Compound	%Recovery
Vinyl Chloride	93
Chloroethane	92
1,1-Dichloroethene	113
Freon 113	103
Methylene Chloride	96
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	103
1,1,1-Trichloroethane	91
Trichloroethene	104
Tetrachloroethene	105
trans-1,2-Dichloroethene	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0910255B-39BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/20/09 09:44 AM**	

Compound	**%Recovery**
Vinyl Chloride	96
Chloroethane	93
1,1-Dichloroethene	115
Freon 113	105
Methylene Chloride	97
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	105
1,1,1-Trichloroethane	93
Trichloroethene	106
Tetrachloroethene	107
trans-1,2-Dichloroethene	102

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0910255B-39C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/21/09 08:13 AM**	

Compound	%Recovery
Vinyl Chloride	98
Chloroethane	95
1,1-Dichloroethene	117
Freon 113	107
Methylene Chloride	99
1,1-Dichloroethane	108
cis-1,2-Dichloroethene	106
1,1,1-Trichloroethane	94
Trichloroethene	106
Tetrachloroethene	108
trans-1,2-Dichloroethene	104

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0910255B-39CC

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/21/09 08:52 AM**	

Compound	**%Recovery**
Vinyl Chloride	93
Chloroethane	92
1,1-Dichloroethene	113
Freon 113	102
Methylene Chloride	96
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	102
1,1,1-Trichloroethane	91
Trichloroethene	103
Tetrachloroethene	105
trans-1,2-Dichloroethene	100

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

10/22/2009
Ms. Erica Bradstreet
Sanborn, Head & Associates
95 High Street

Portland ME 04101

Project Name: GVP
Project #: 2755.03
Workorder #: 0910310

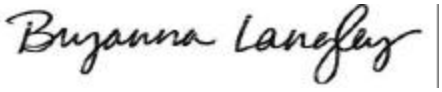
Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 10/9/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 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: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0910310

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 95 High Street Portland, ME 04101	**BILL TO:**	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	207-761-9300	**P.O. #**	2755.02
FAX:		**PROJECT #**	2755.03 GVP
DATE RECEIVED:	10/09/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	10/22/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	EN0839S100809	Modified TO-15	4.5 "Hg	5 psi
02A	EN0940S100809	Modified TO-15	3.5 "Hg	5 psi
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA
05AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 10/22/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Sanborn, Head & Associates
Workorder# 0910310

Two 1 Liter Summa Canister (100% Certified) samples were received on October 09, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

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 no 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

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0839S100809

Lab ID#: 0910310-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.79	1.8	3.1	7.3
Trichloroethene	0.79	4.0	4.2	22
Tetrachloroethene	0.79	40	5.4	270

Client Sample ID: EN0940S100809

Lab ID#: 0910310-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	0.76	6.6	2.6	23
Trichloroethene	0.76	1.3	4.1	7.0
Tetrachloroethene	0.76	33	5.2	220

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0839S100809

Lab ID#: 0910310-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101819**	**Date of Collection: 10/8/09 12:20:00 PM**	
Dil. Factor:	**1.58**	**Date of Analysis: 10/18/09 04:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.79	Not Detected	2.0	Not Detected
Chloroethane	0.79	Not Detected	2.1	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Freon 113	0.79	Not Detected	6.0	Not Detected
Methylene Chloride	0.79	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.79	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.79	1.8	3.1	7.3
1,1,1-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Trichloroethene	0.79	4.0	4.2	22
Tetrachloroethene	0.79	40	5.4	270
trans-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: EN0940S100809

Lab ID#: 0910310-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101820**	**Date of Collection: 10/8/09 12:20:00 PM**	
Dil. Factor:	**1.52**	**Date of Analysis: 10/18/09 05:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.76	Not Detected	1.9	Not Detected
Chloroethane	0.76	Not Detected	2.0	Not Detected
1,1-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Freon 113	0.76	Not Detected	5.8	Not Detected
Methylene Chloride	0.76	6.6	2.6	23
1,1-Dichloroethane	0.76	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
1,1,1-Trichloroethane	0.76	Not Detected	4.1	Not Detected
Trichloroethene	0.76	1.3	4.1	7.0
Tetrachloroethene	0.76	33	5.2	220
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0910310-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101807**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/18/09 10:42 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0910310-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/18/09 07:40 AM**	

Compound	%Recovery
Vinyl Chloride	93
Chloroethane	93
1,1-Dichloroethene	98
Freon 113	102
Methylene Chloride	85
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	105
1,1,1-Trichloroethane	97
Trichloroethene	112
Tetrachloroethene	110
trans-1,2-Dichloroethene	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0910310-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/18/09 08:10 AM**	

Compound	%Recovery
Vinyl Chloride	94
Chloroethane	94
1,1-Dichloroethene	116
Freon 113	118
Methylene Chloride	94
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	108
1,1,1-Trichloroethane	102
Trichloroethene	107
Tetrachloroethene	106
trans-1,2-Dichloroethene	105

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 0910310-05AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**d101804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/18/09 08:41 AM**	

Compound	%Recovery
Vinyl Chloride	96
Chloroethane	95
1,1-Dichloroethene	117
Freon 113	122
Methylene Chloride	97
1,1-Dichloroethane	107
cis-1,2-Dichloroethene	109
1,1,1-Trichloroethane	104
Trichloroethene	109
Tetrachloroethene	104
trans-1,2-Dichloroethene	112

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	102	70-130