



8976 Wellington Road
Manassas, VA 20109

April 25, 2012

Alex Czuhanych
Engineering Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation Bureau E
625 Broadway, 12th Floor
Albany, NY 12233-7017

Re: Transmittal of Semiannual Data Report – Soil Vapor Monitoring Through February 2012
Comprehensive Operations, Maintenance and Monitoring Program
Order on Consent Index # A7-0502-0104, Site # 704014

Dear Mr. Czuhanych:

Enclosed with this transmittal letter please find our Semiannual Soil Vapor Monitoring Data 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) 257-2587.

Sincerely,

A handwritten signature in black ink that reads "M. E. Meyers".

Mitchell E. Meyers
Program Manager

cc: K. Lynch, NYSDEC Region 7
D. Tuohy, NYSDEC - Albany
J. Deming, NYSDOH - Troy
C. Edwards, Broome County Health Department
C. Pelto, EIT

Mr. Mitchell E. Meyers
IBM Corporate Environmental Affairs
8976 Wellington Road
Manassas, VA 20109

April 25, 2012
File No. 2755.07

Re: Semiannual Data Report
Soil Vapor Monitoring Through February 2012
Comprehensive Operations, Maintenance, and Monitoring Program
Endicott, New York

Dear Mr. Meyers:

This letter is intended to transmit data recorded during completion of the routine soil vapor monitoring program through February 2012 under IBM's Comprehensive Operations, Maintenance, and Monitoring Plan (COM&M Plan).

Sanborn Head & Associates, Inc. (Sanborn Head) prepared this letter for IBM's submittal to the New York Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH), collectively known as the "Agencies". Since the submittal of the last Report¹, sampling has been conducted in December 2011 and February 2012.

Time series plots depicting the history of groundwater and soil vapor observations for TCE are included on the CD along with the analytical laboratory reports for samples collected in December and February.

This submittal marks the end of bi-monthly monitoring. In a letter dated February 17, 2012, NYSDEC approved a monitoring program to include one comprehensive sampling event in August and a second, reduced sampling in February to target specific locations associated with groundwater injection. The next reporting of this monitoring program will be submitted to the Agencies in November 2012.

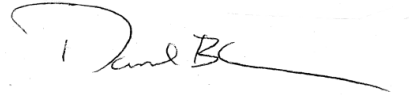
Thank you for the opportunity to provide service to you on this project. Please contact us if you have questions.

¹ Sanborn Head, November 9, 2011, Annual Report – Soil Vapor Monitoring Through August 2011, Comprehensive Operations, Maintenance, and Monitoring Program, Endicott, New York.

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



Erica M. Bradstreet, P.G.
Project Manager
1715 W 13th Street
Houston, Texas 77008



Daniel B. Carr, P.E., P.G.
Principal and Vice President
95 High Street
Portland, Maine 04101

EMB/DBC: emb

Encl. Attachment A – Time Series Plots
Attachment B – Analytical Laboratory Reports

\\PORDATA\2700s\2755.00\Source Files\April 2012 Semiannual Report\20120425_Semi Rpt Ltr.docx

ATTACHMENT A
TIME SERIES PLOTS

Figure A.1
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

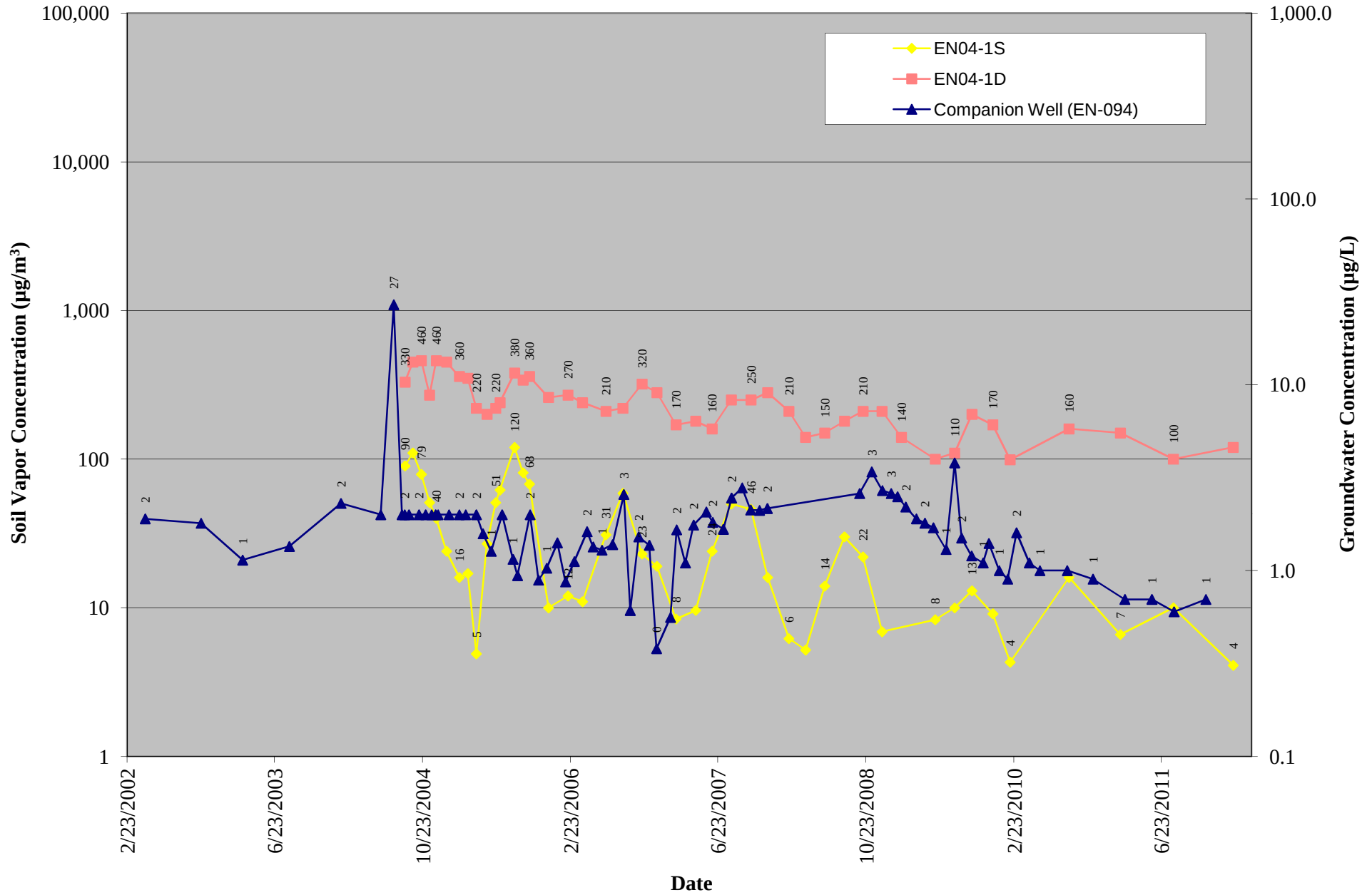


Figure A.2
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

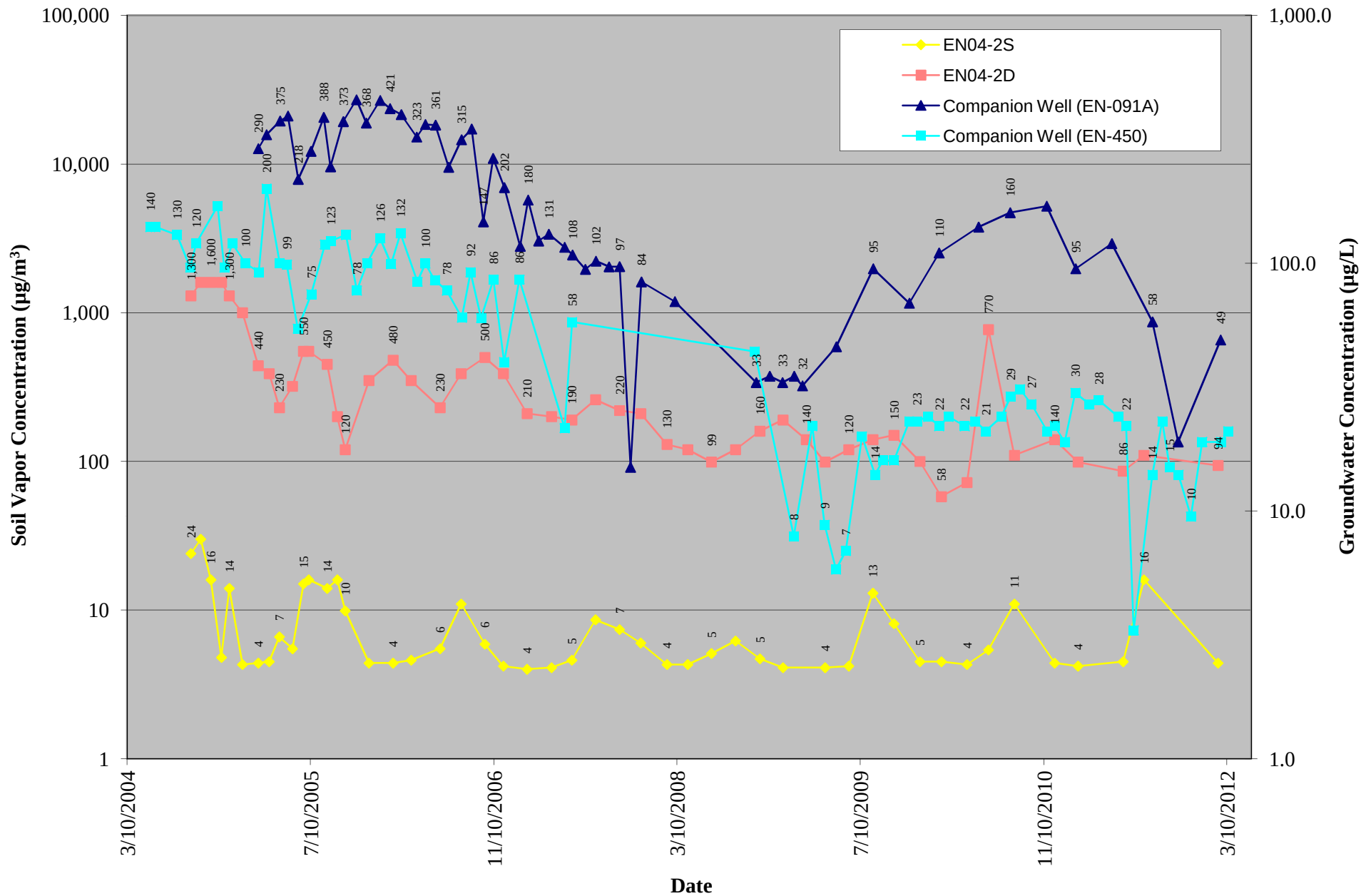


Figure A.3
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

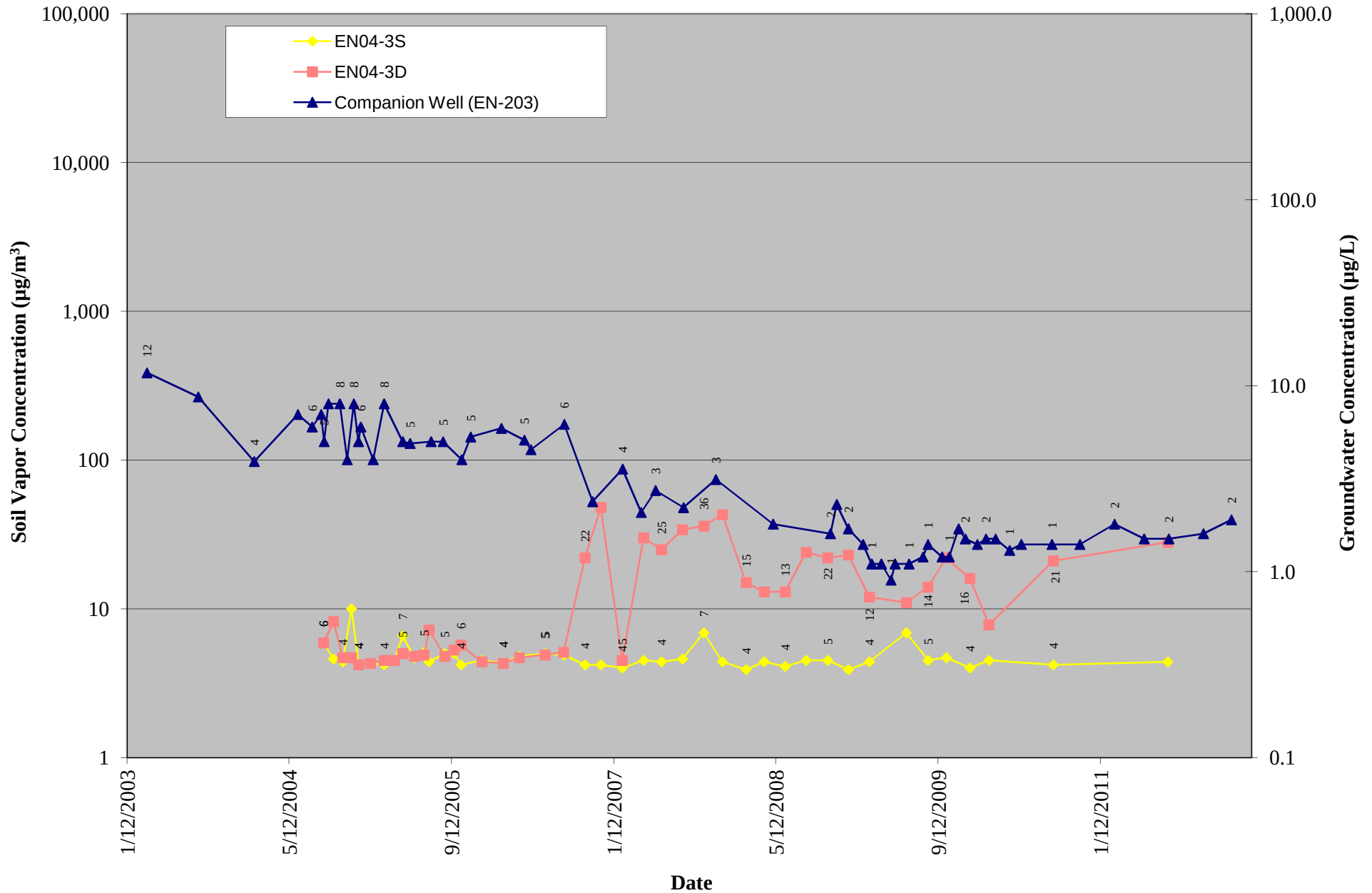


Figure A.4
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

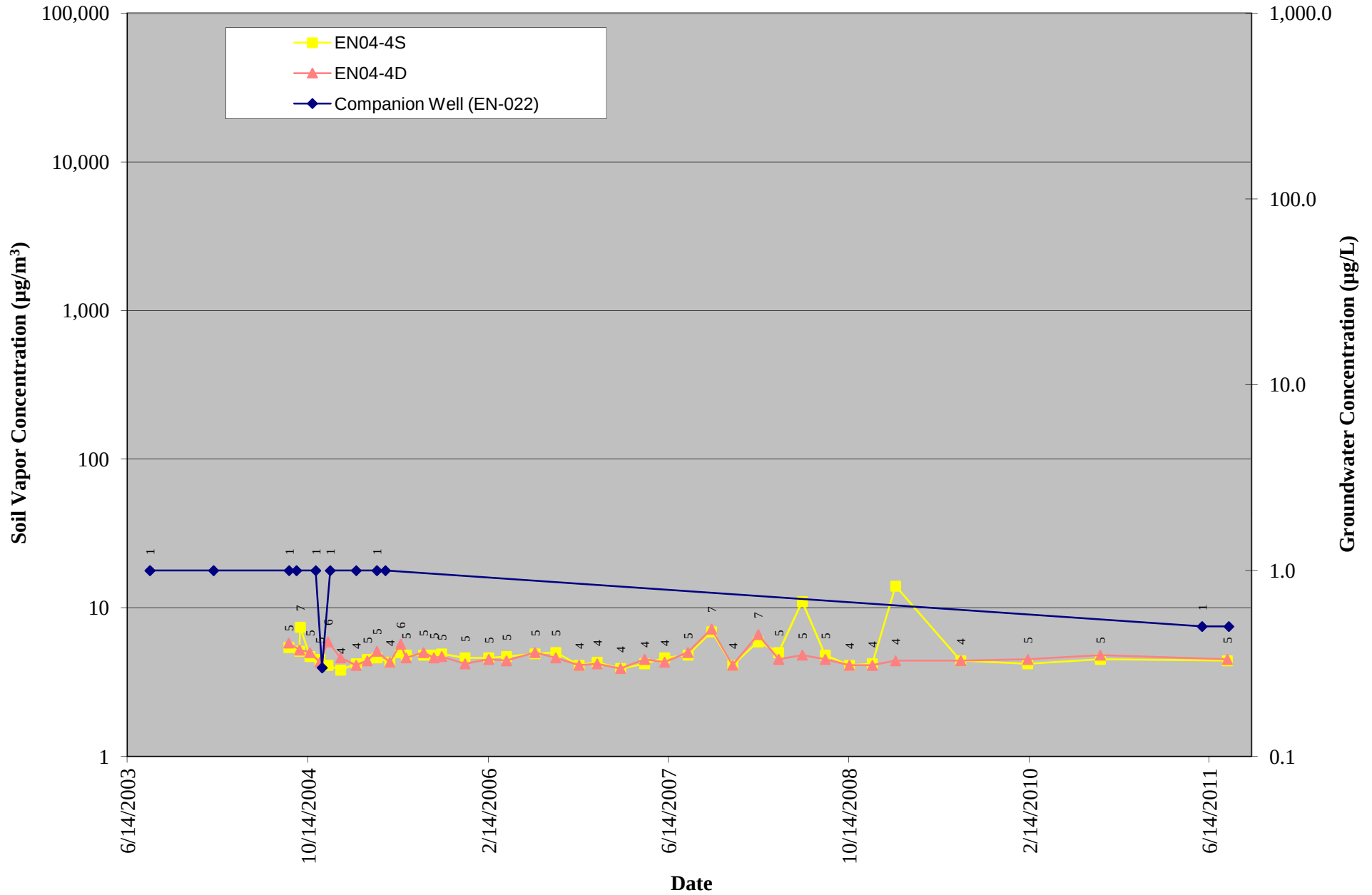


Figure A.5
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

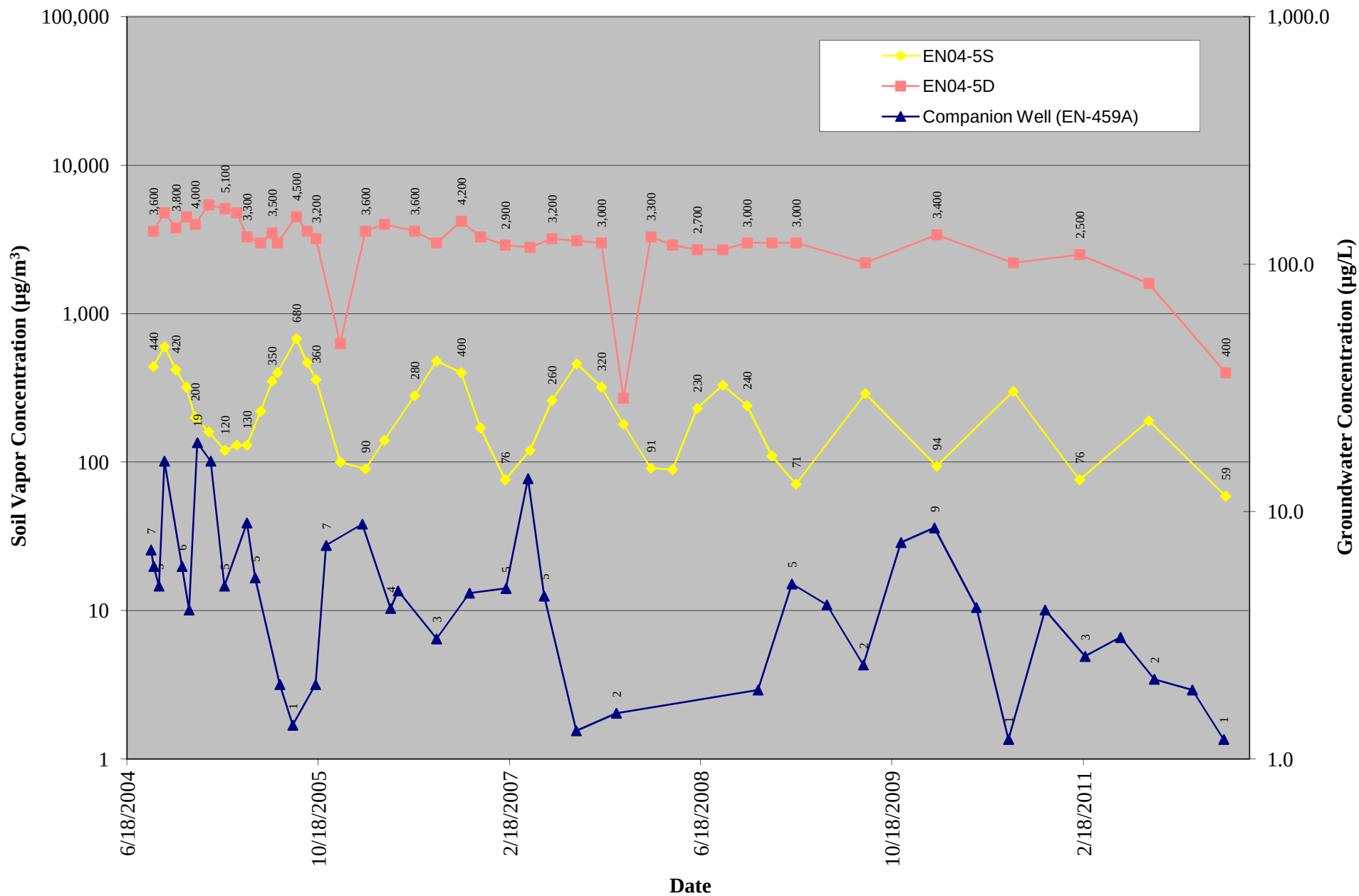


Figure A.6
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

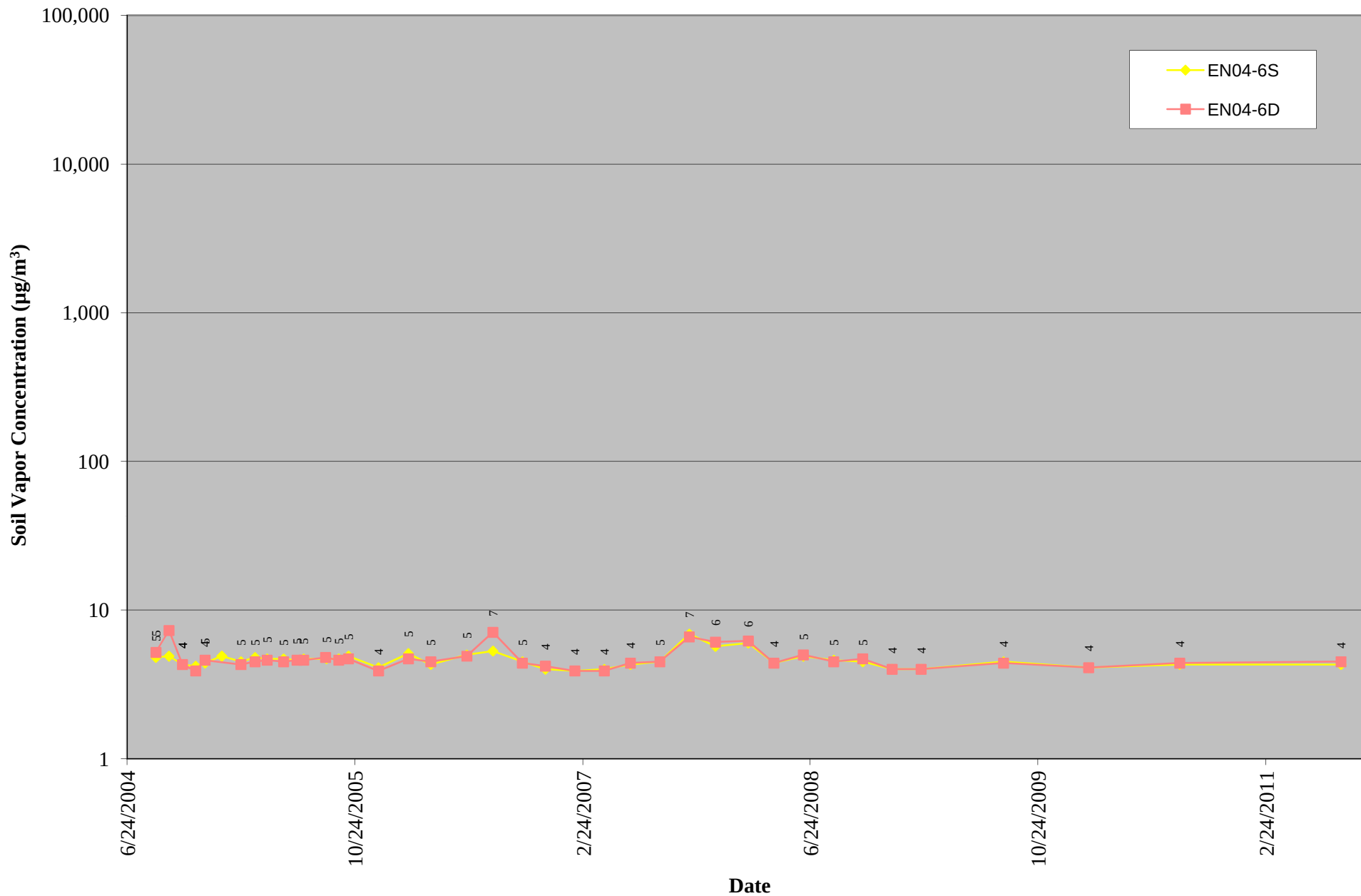


Figure A.7
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

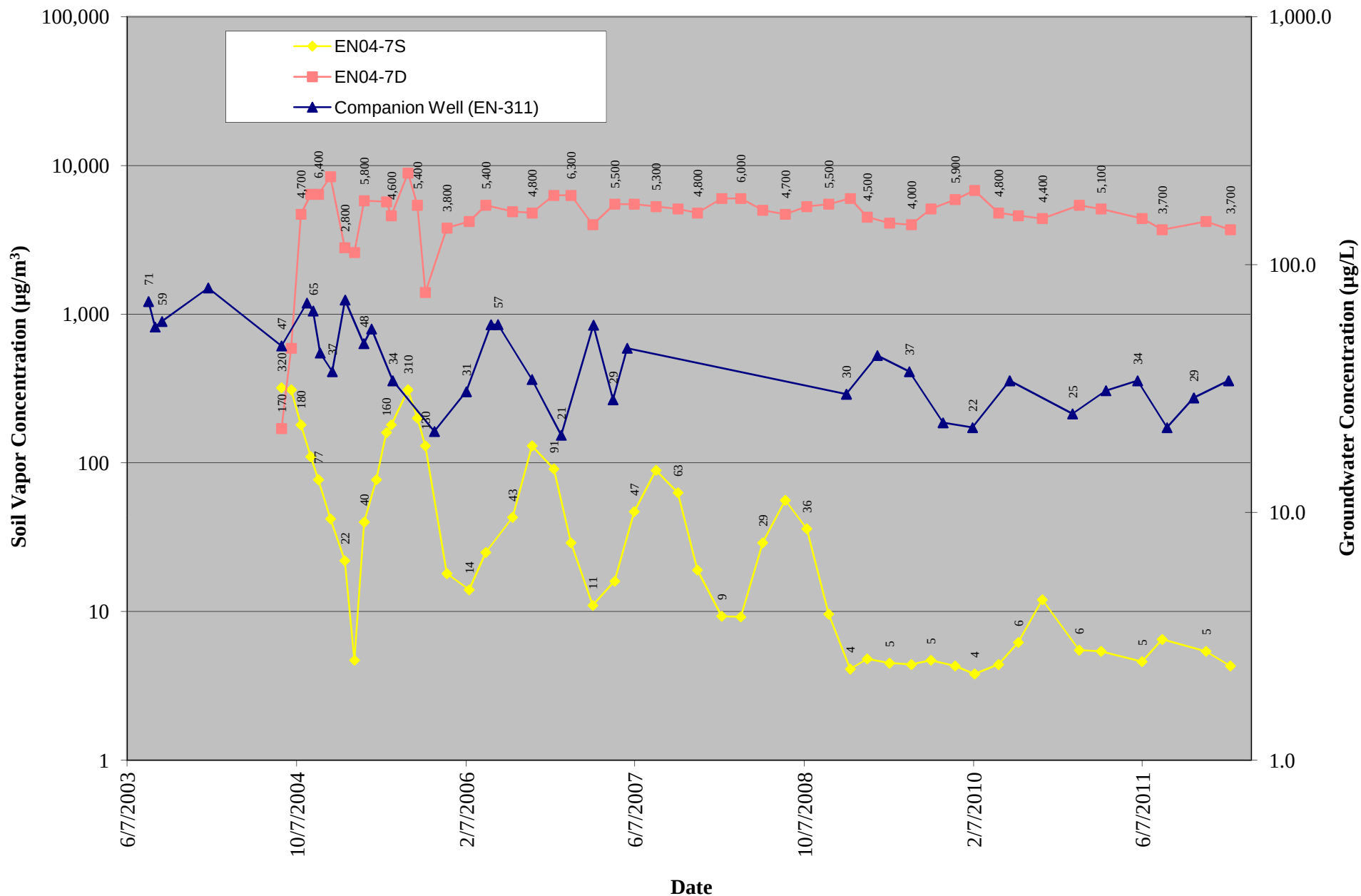


Figure A.8
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

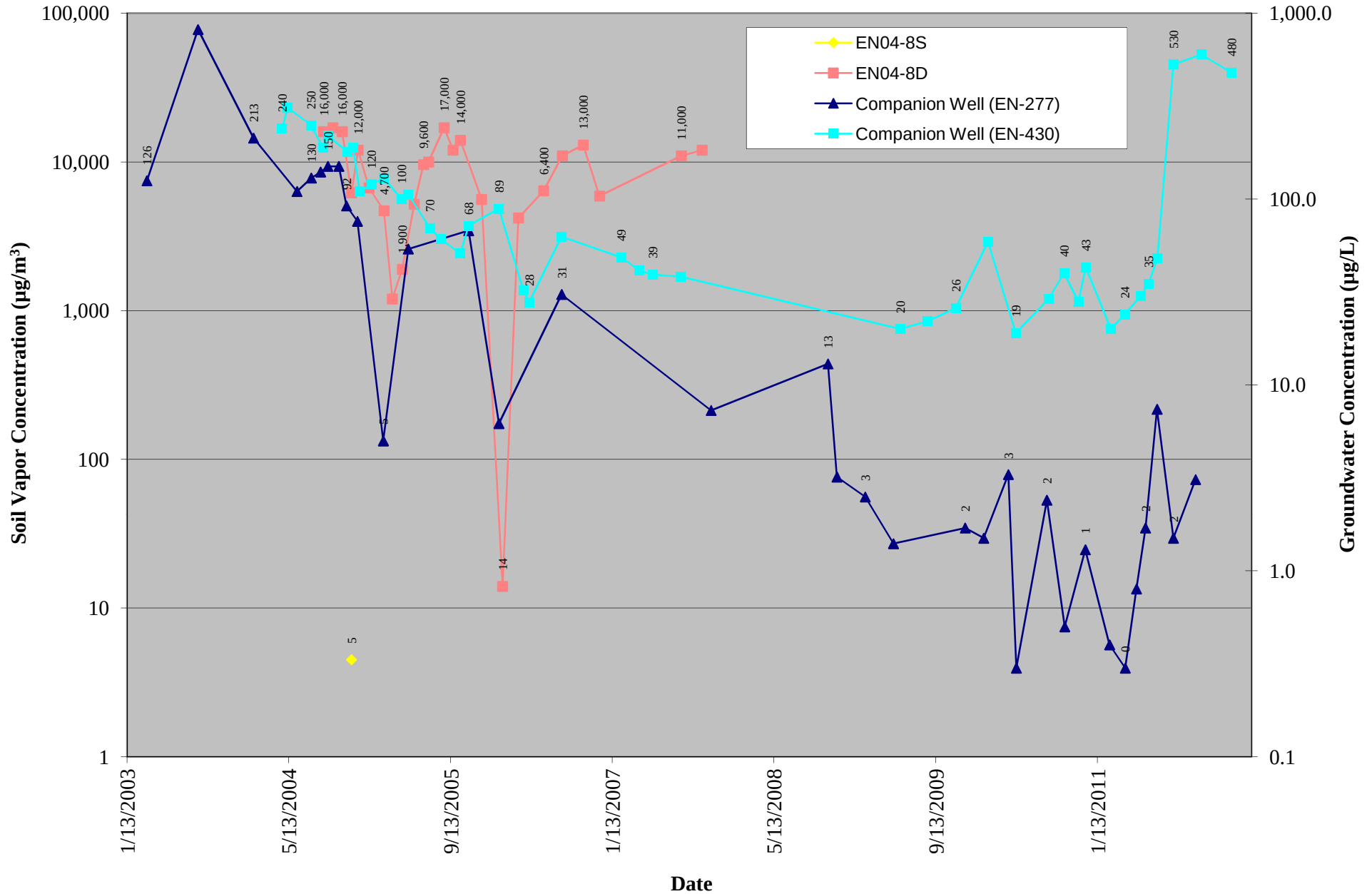


Figure A.9
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

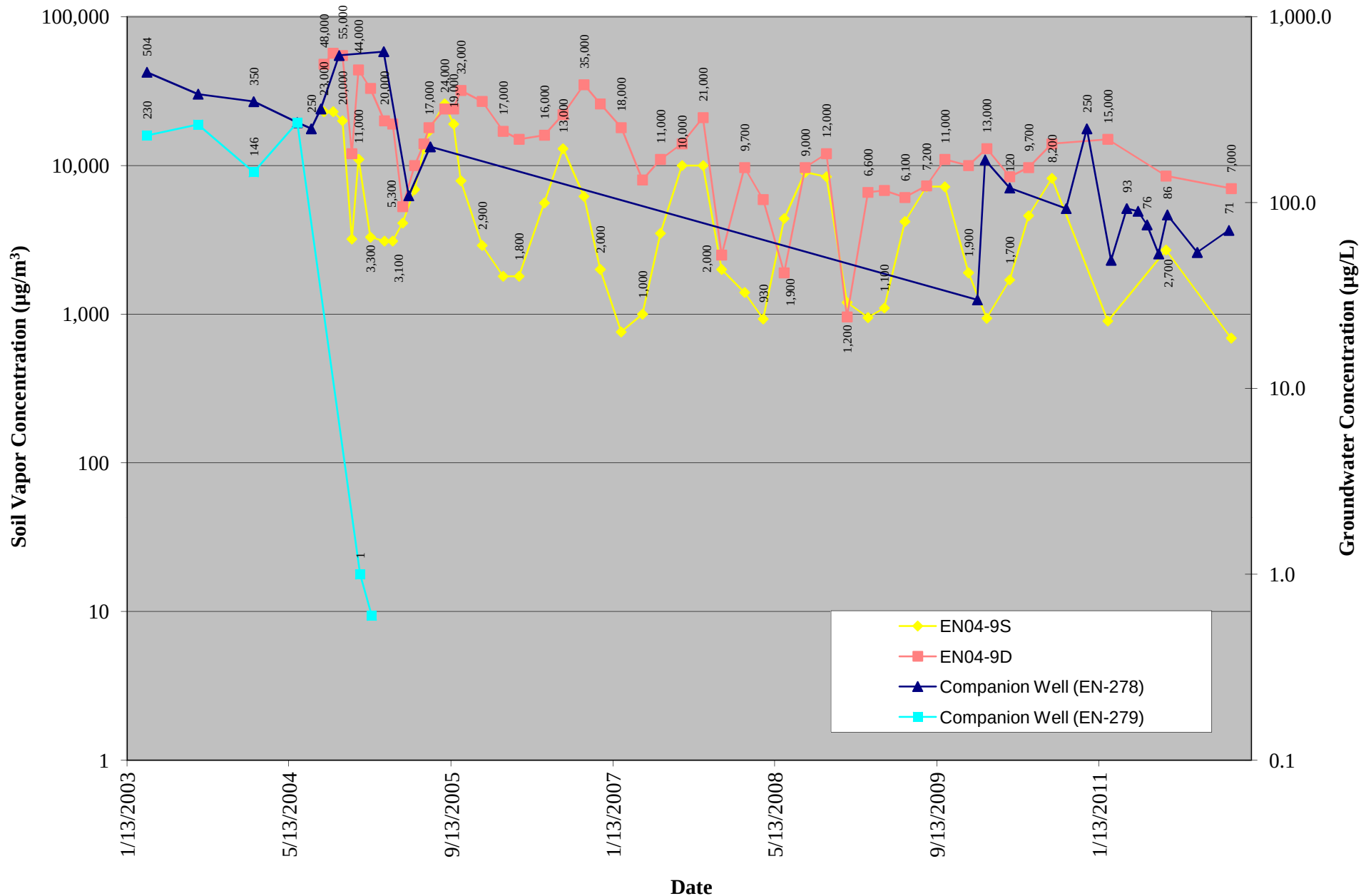


Figure A.10
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

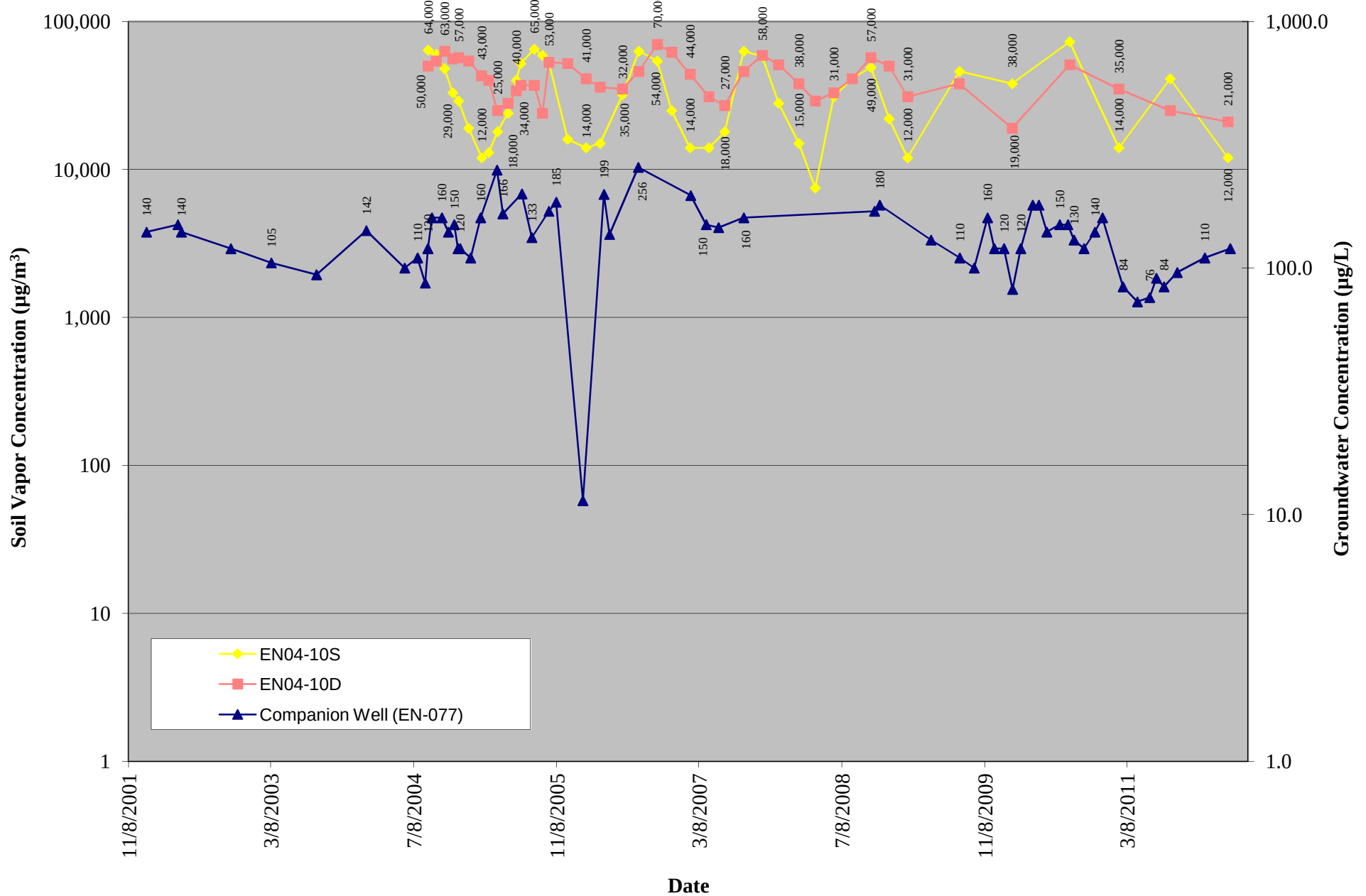


Figure A.11
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

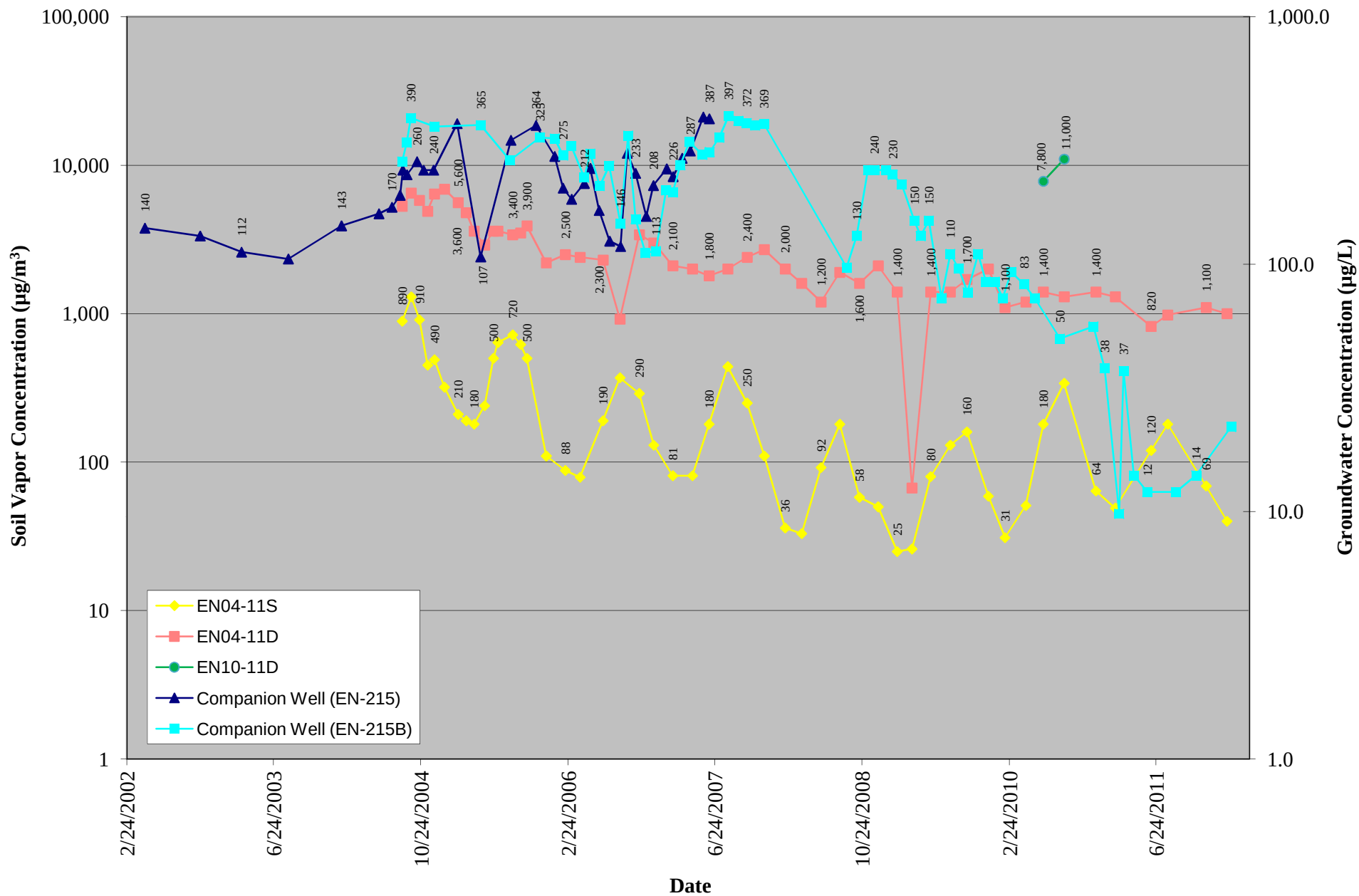


Figure A.12
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

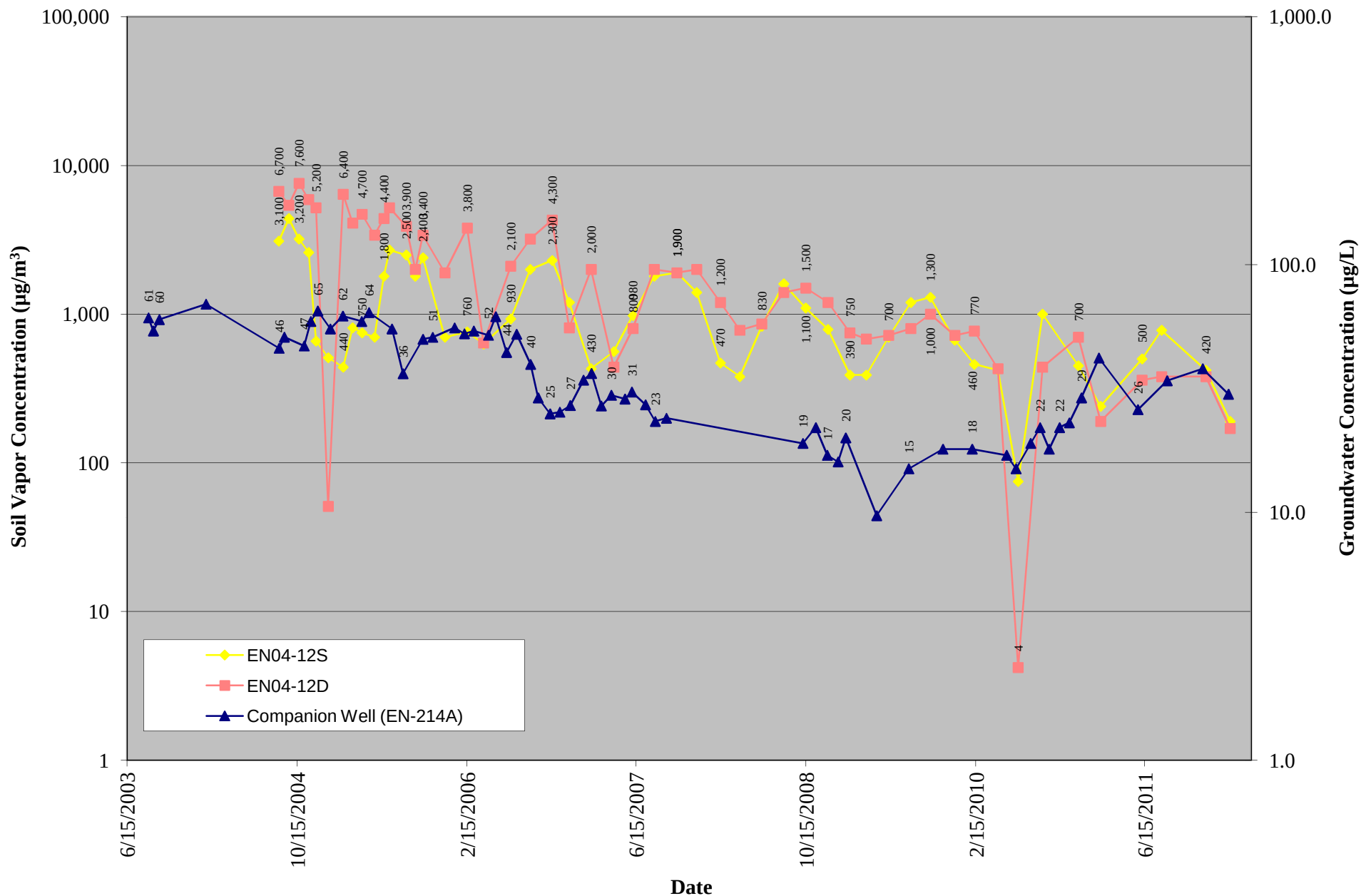


Figure A.13
TCE in Soil Vapor and Groundwater
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 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

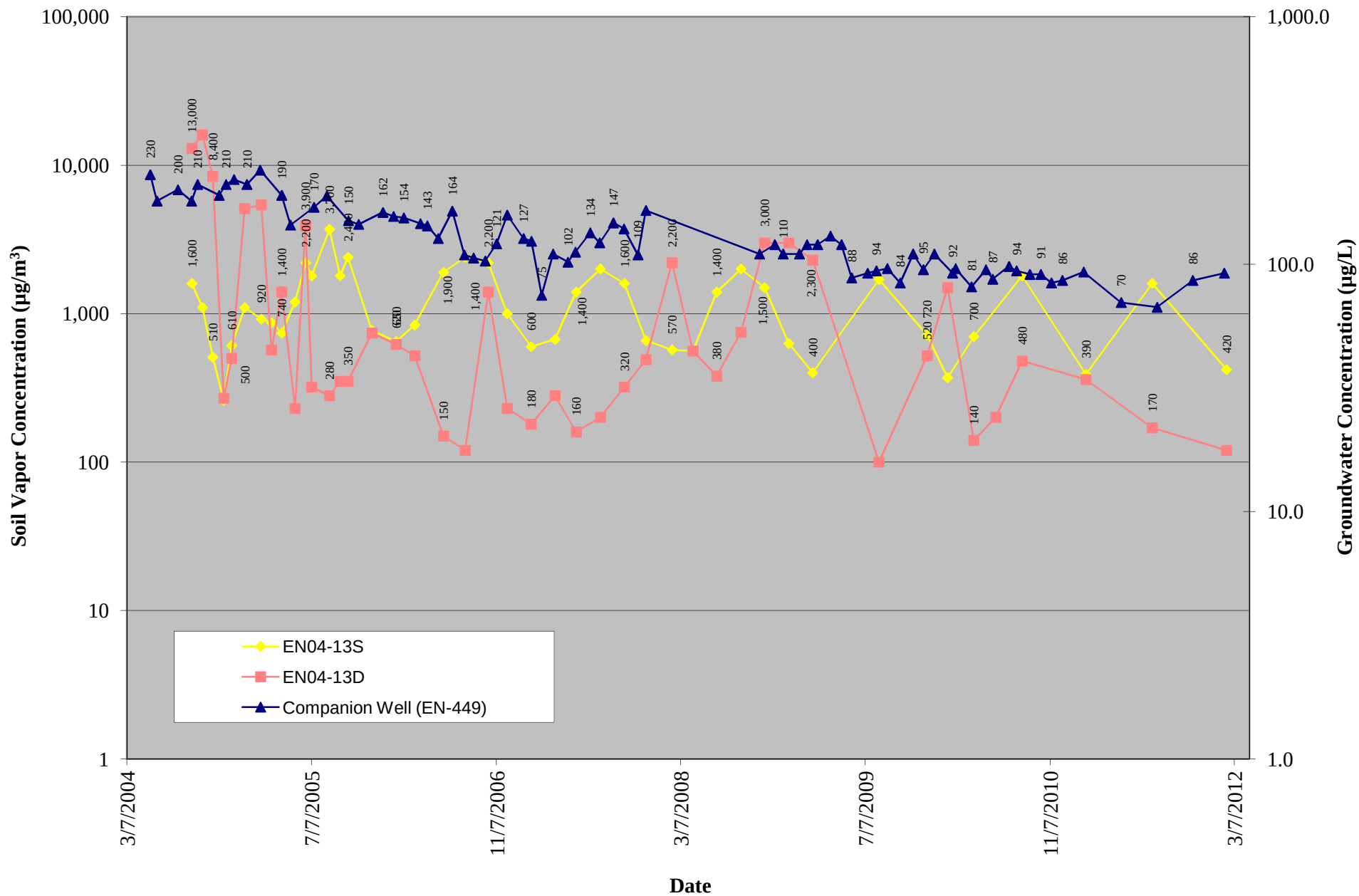


Figure A.14
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

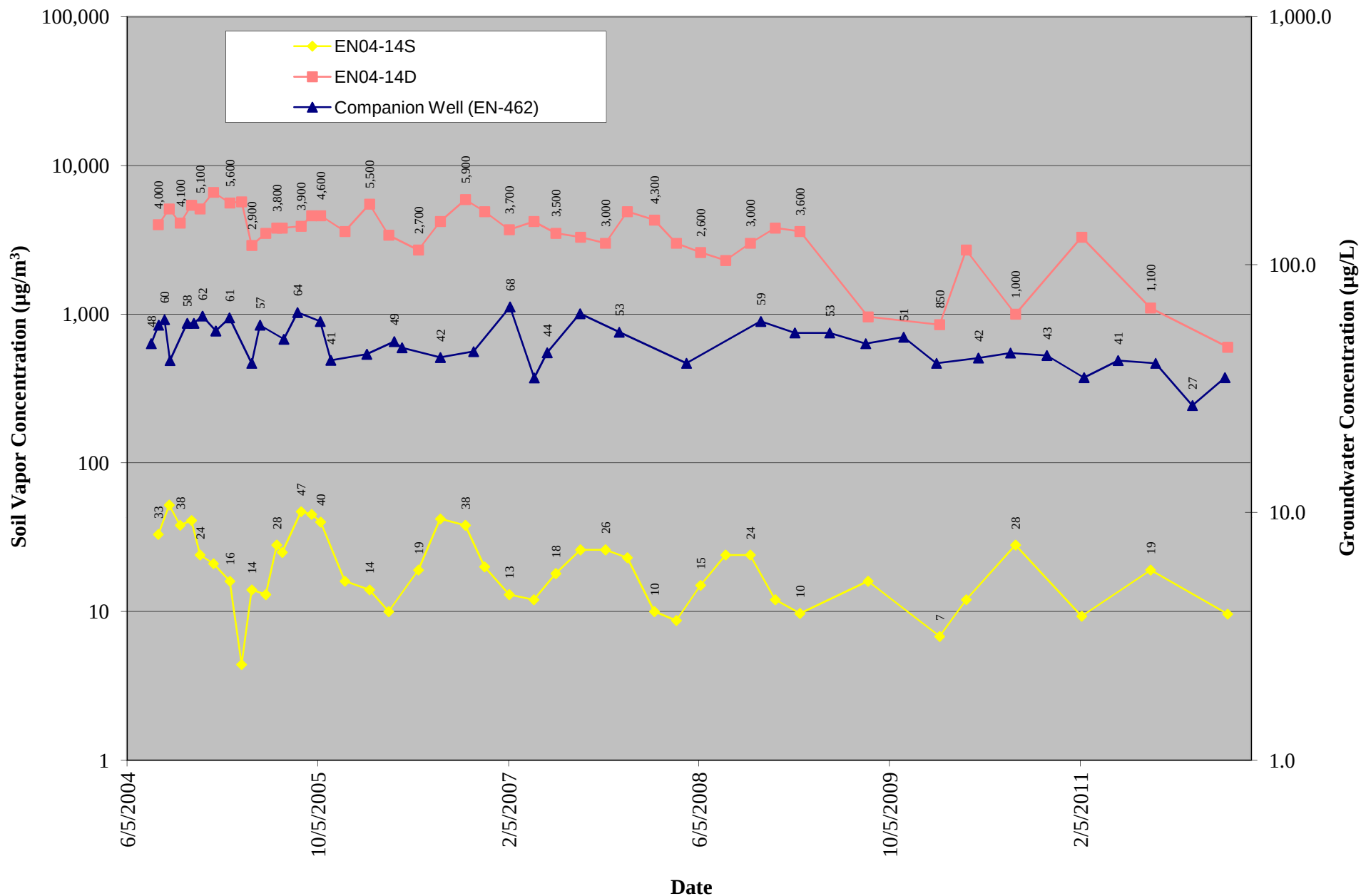


Figure A.15
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
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 Endicott, New York

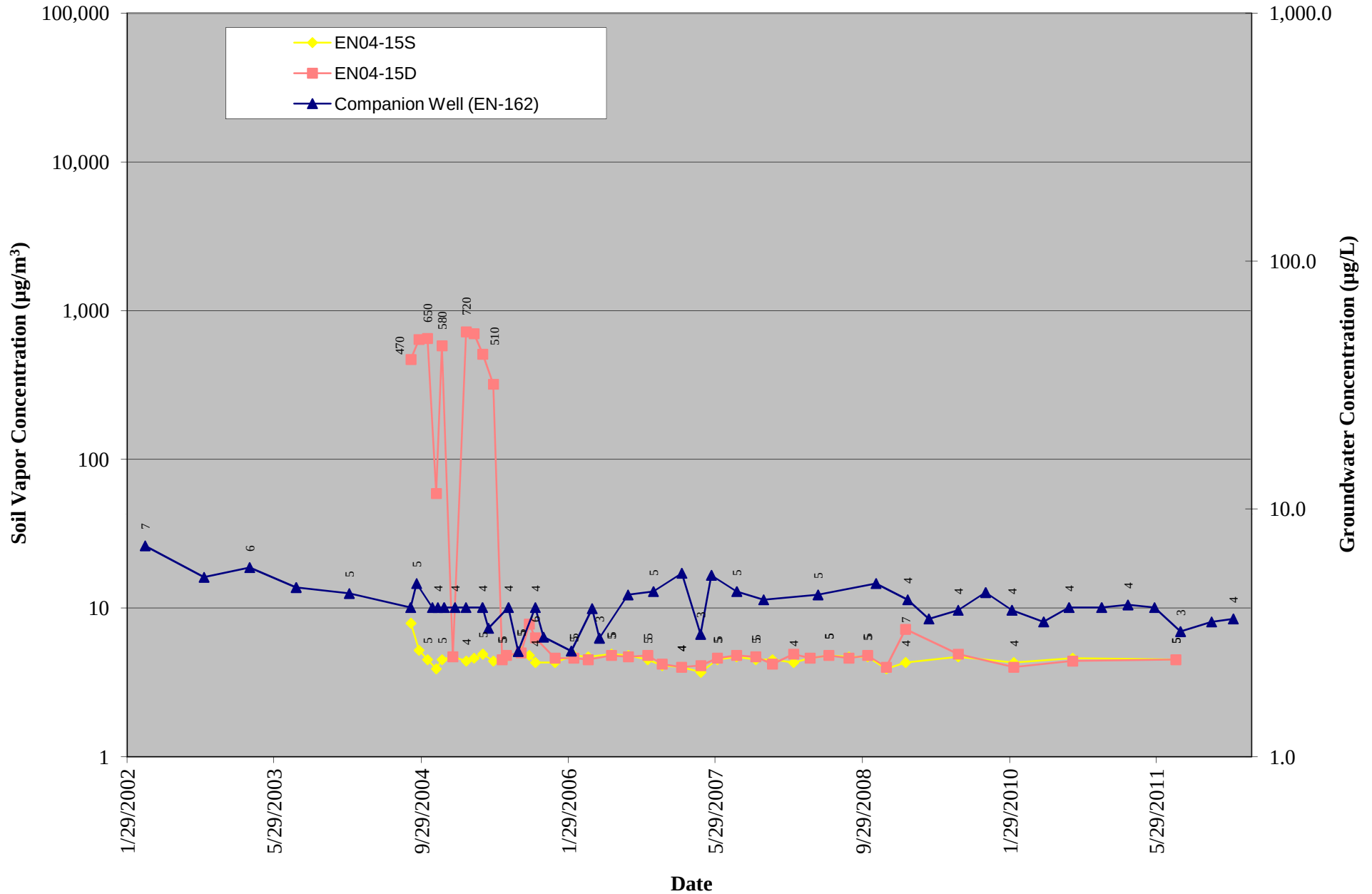


Figure A.16
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

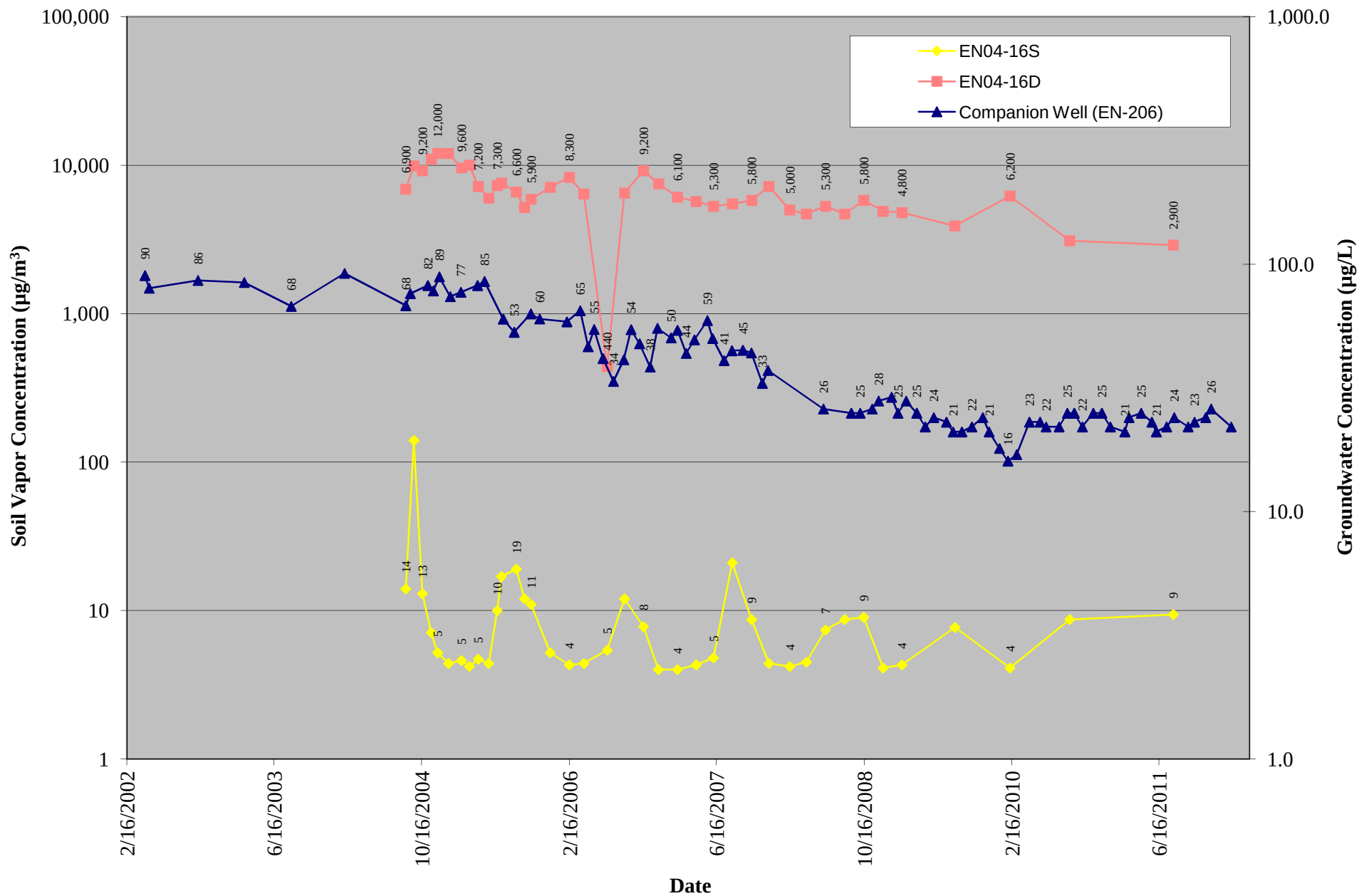


Figure A.17
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

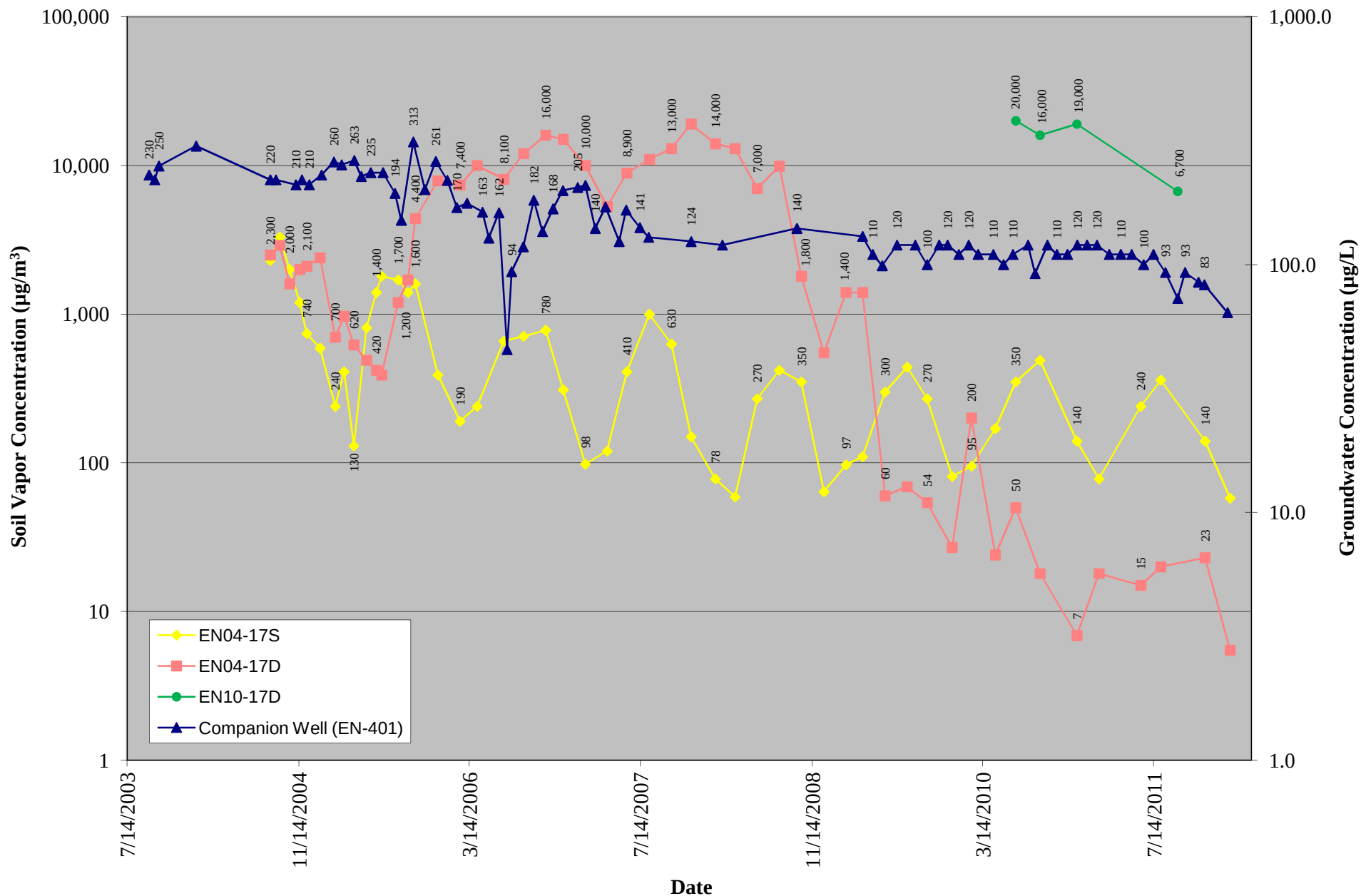


Figure A.18
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

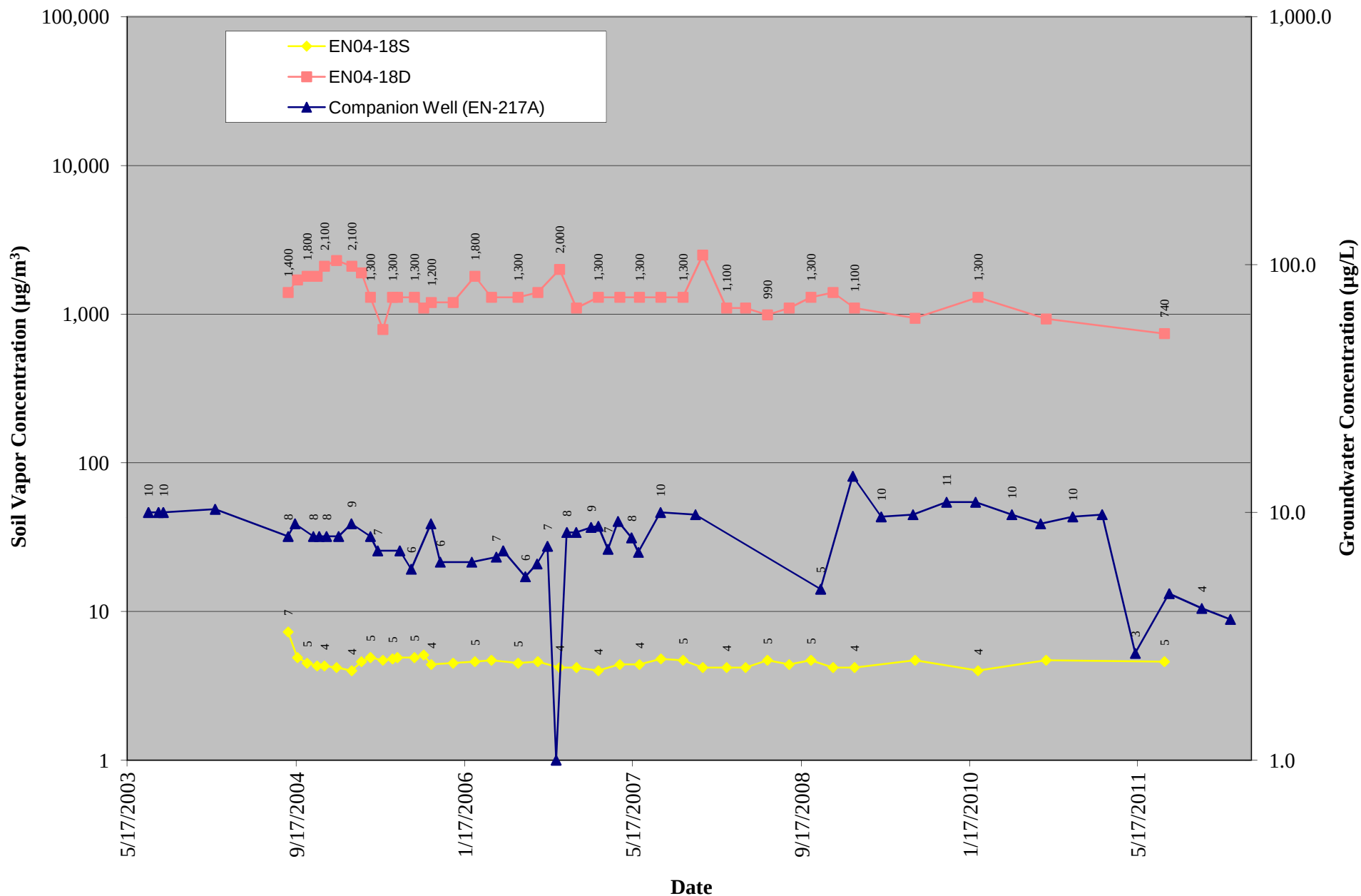


Figure A.19
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
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 Endicott, New York

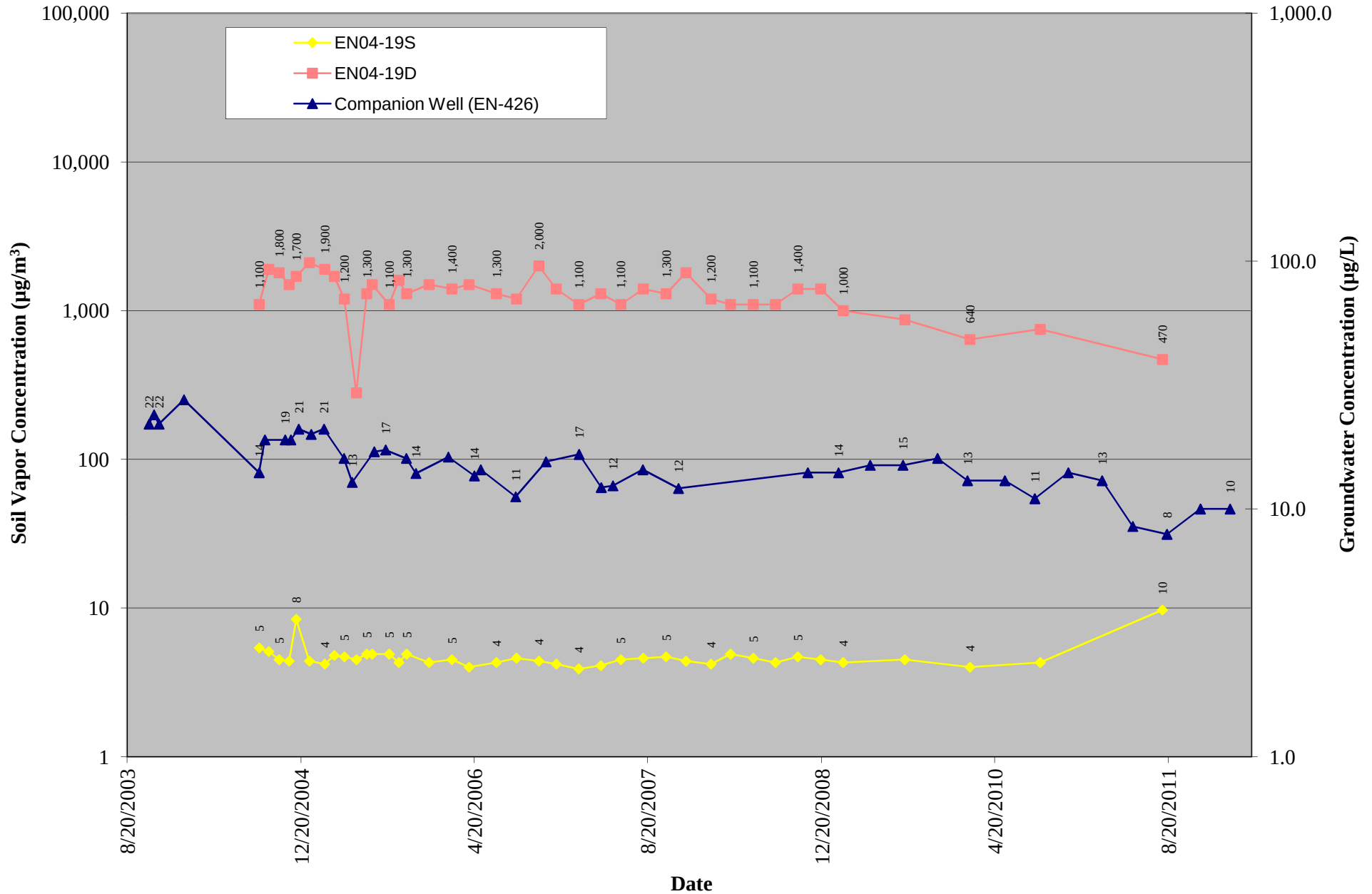


Figure A.20
TCE in Soil Vapor and Groundwater
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 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

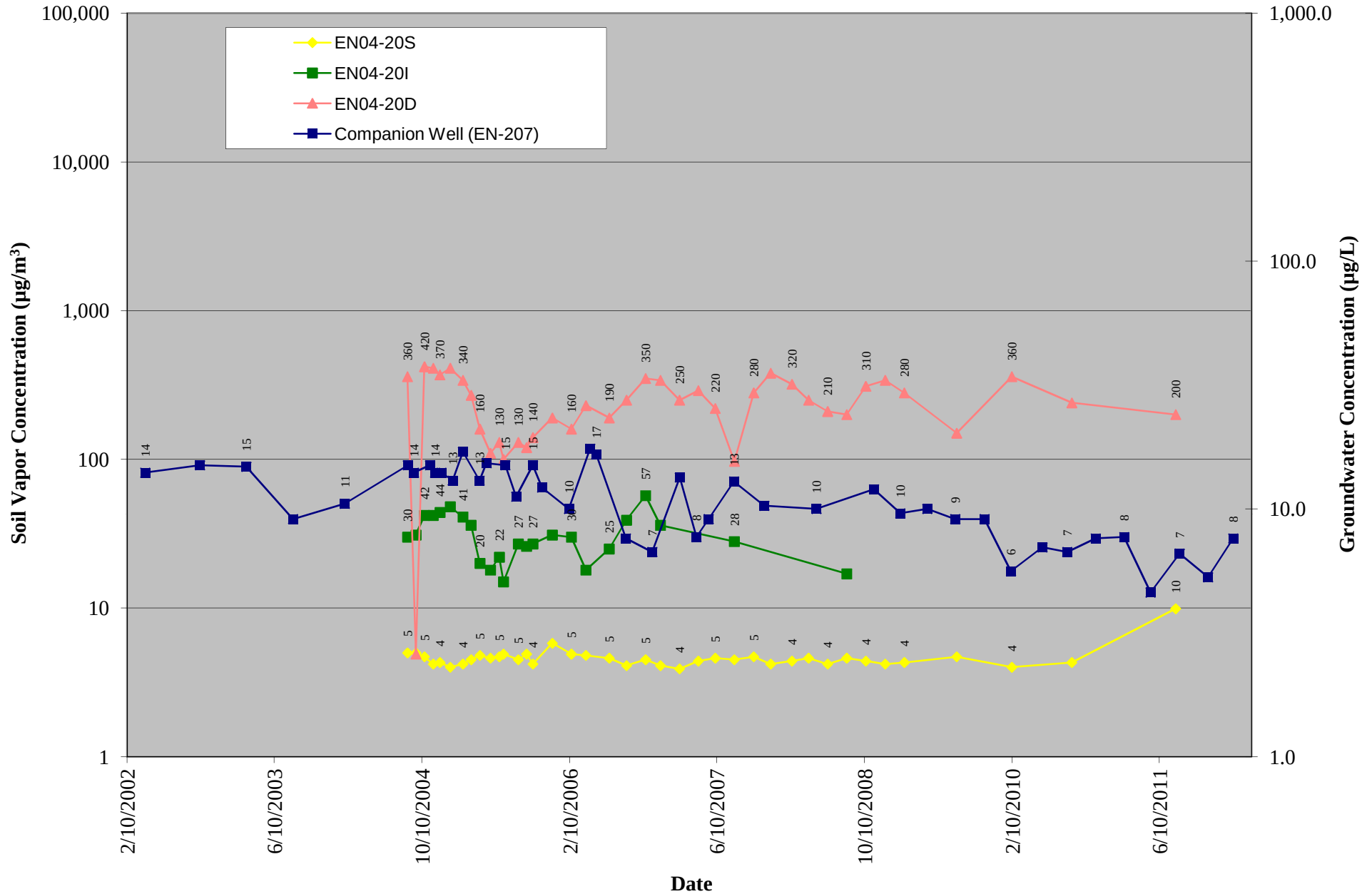


Figure A.21
TCE in Soil Vapor and Groundwater
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 Endicott, New York

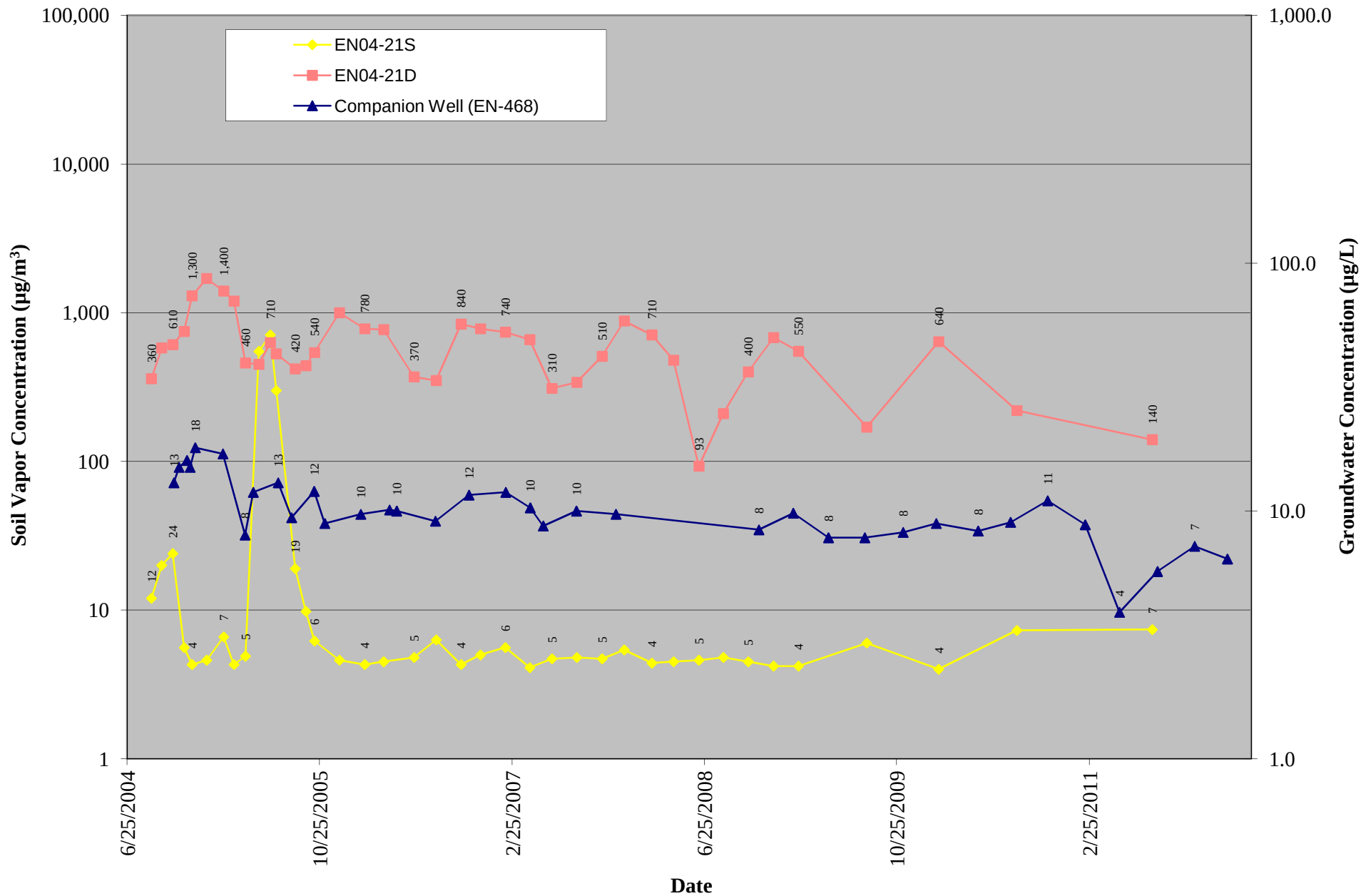


Figure A.22
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
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 Endicott, New York

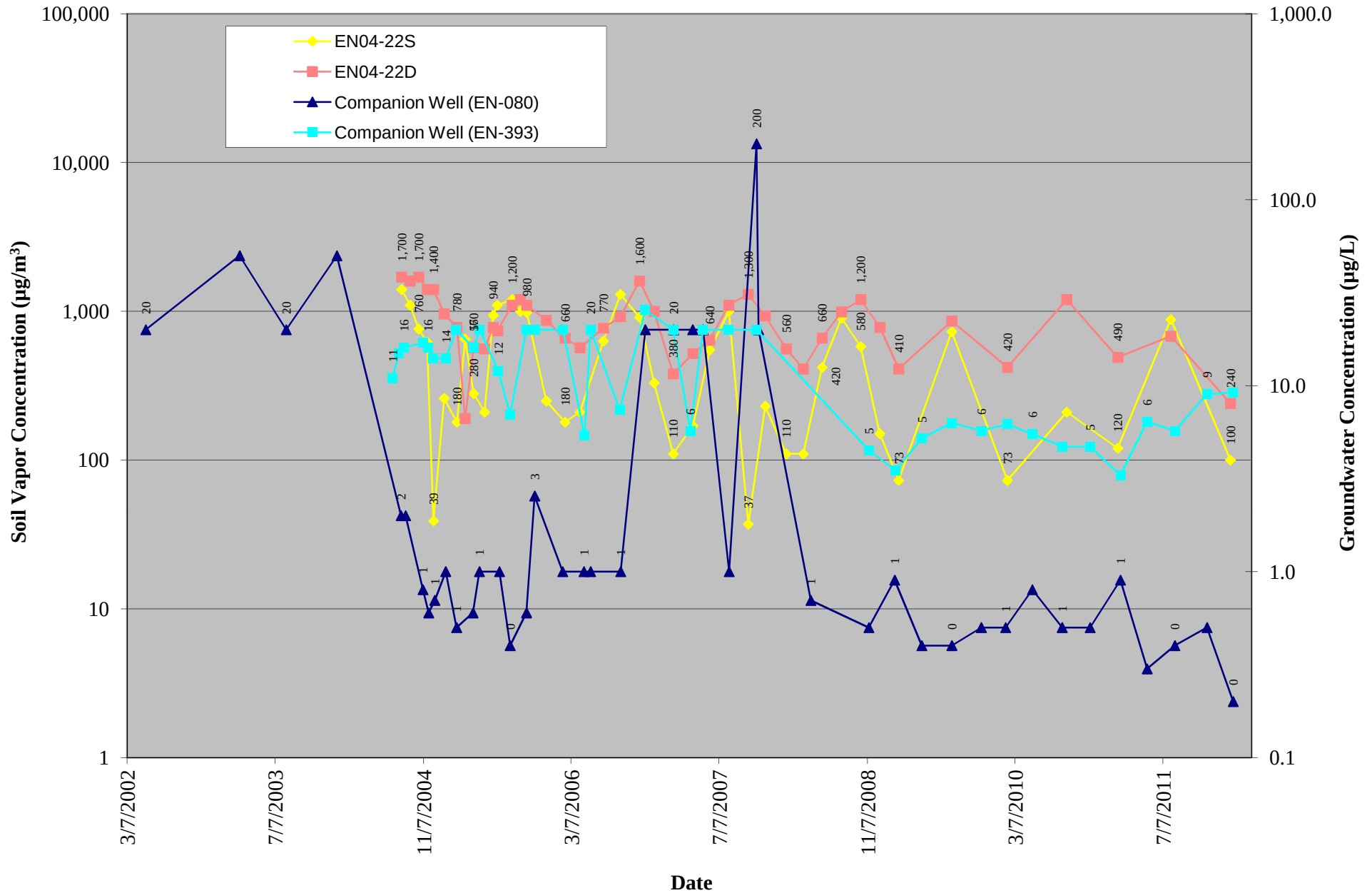


Figure A.23
TCE in Soil Vapor and Groundwater
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 Endicott, New York

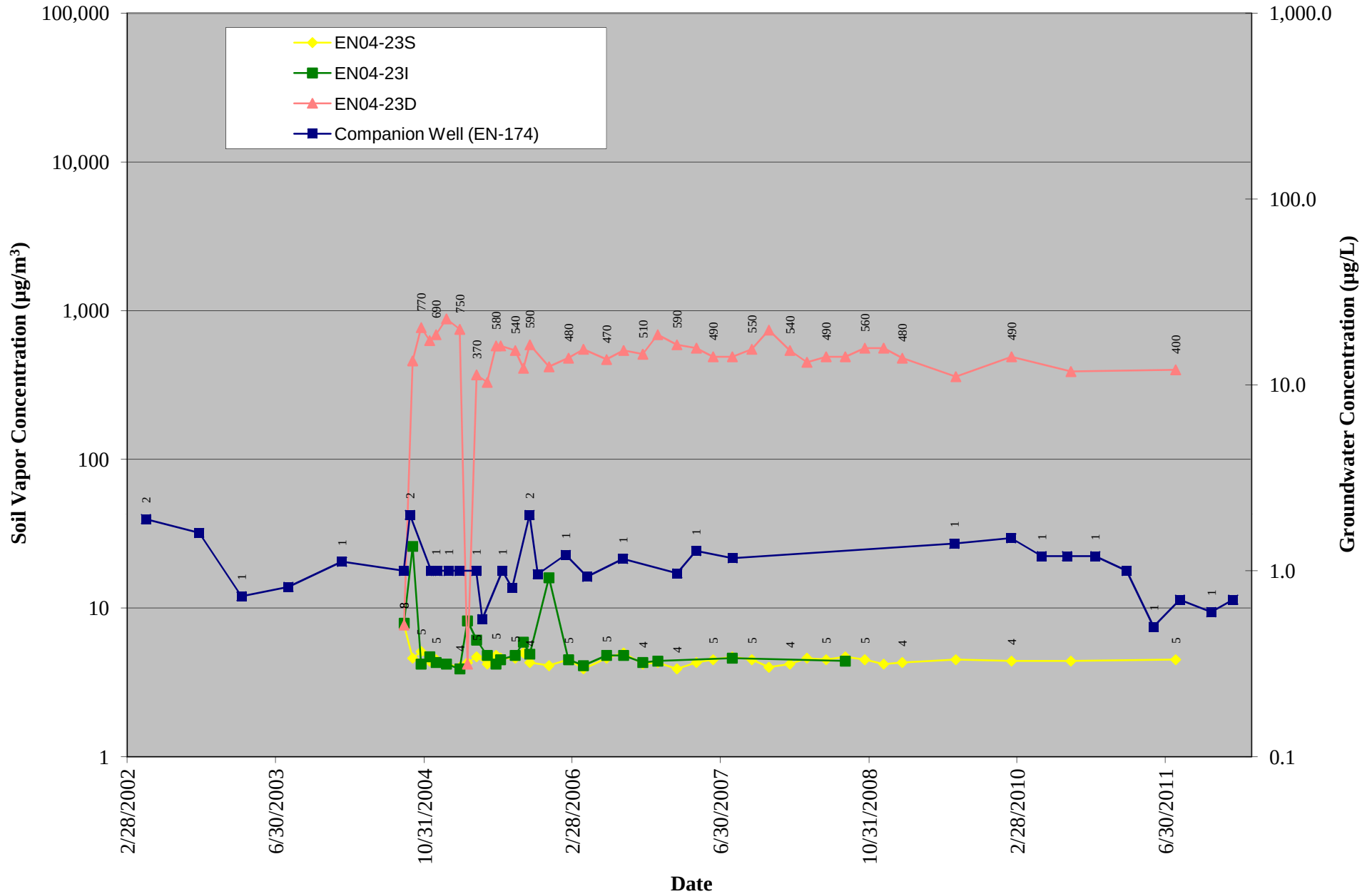


Figure A.24
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

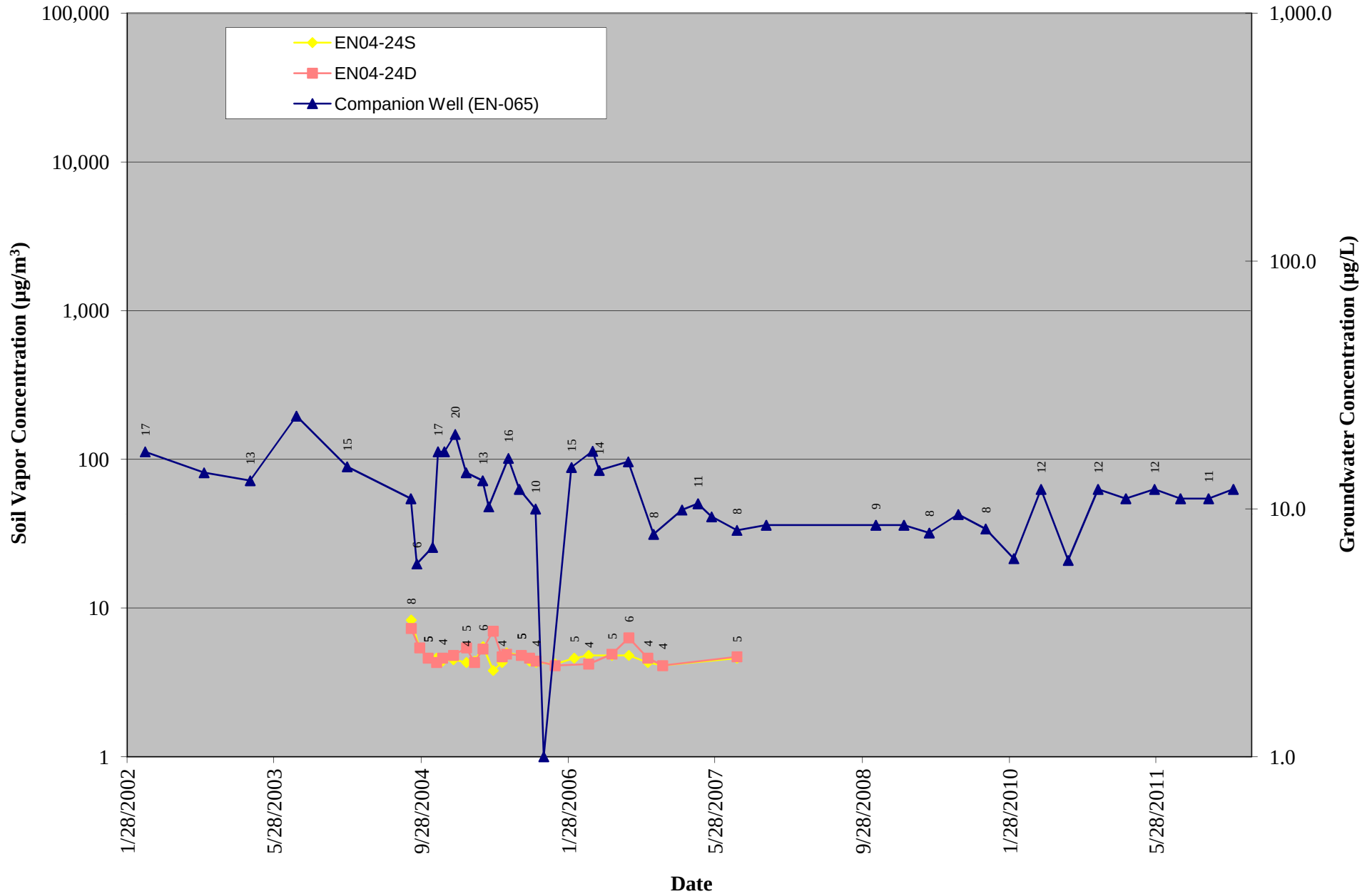


Figure A.25
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

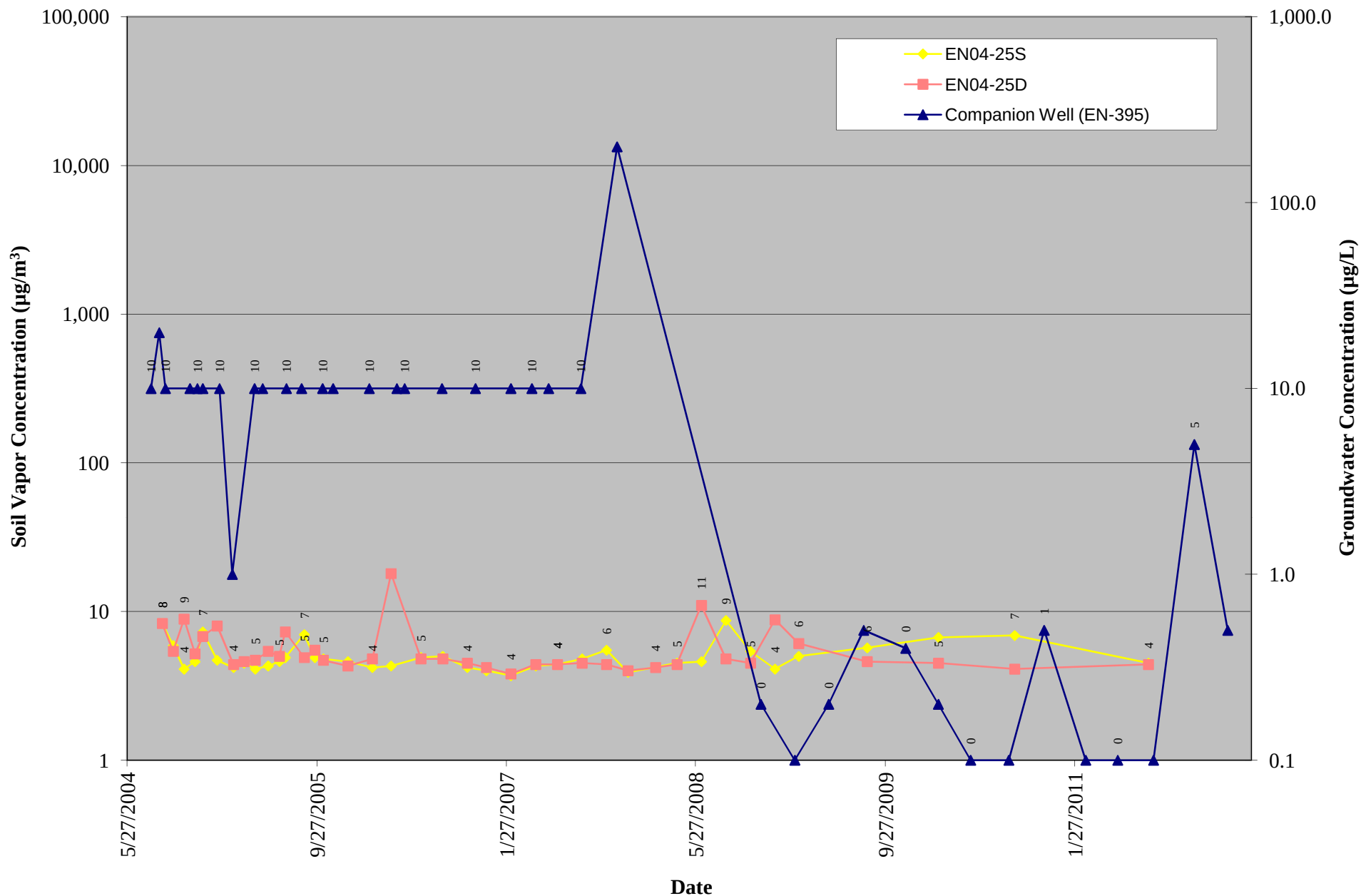


Figure A.26
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

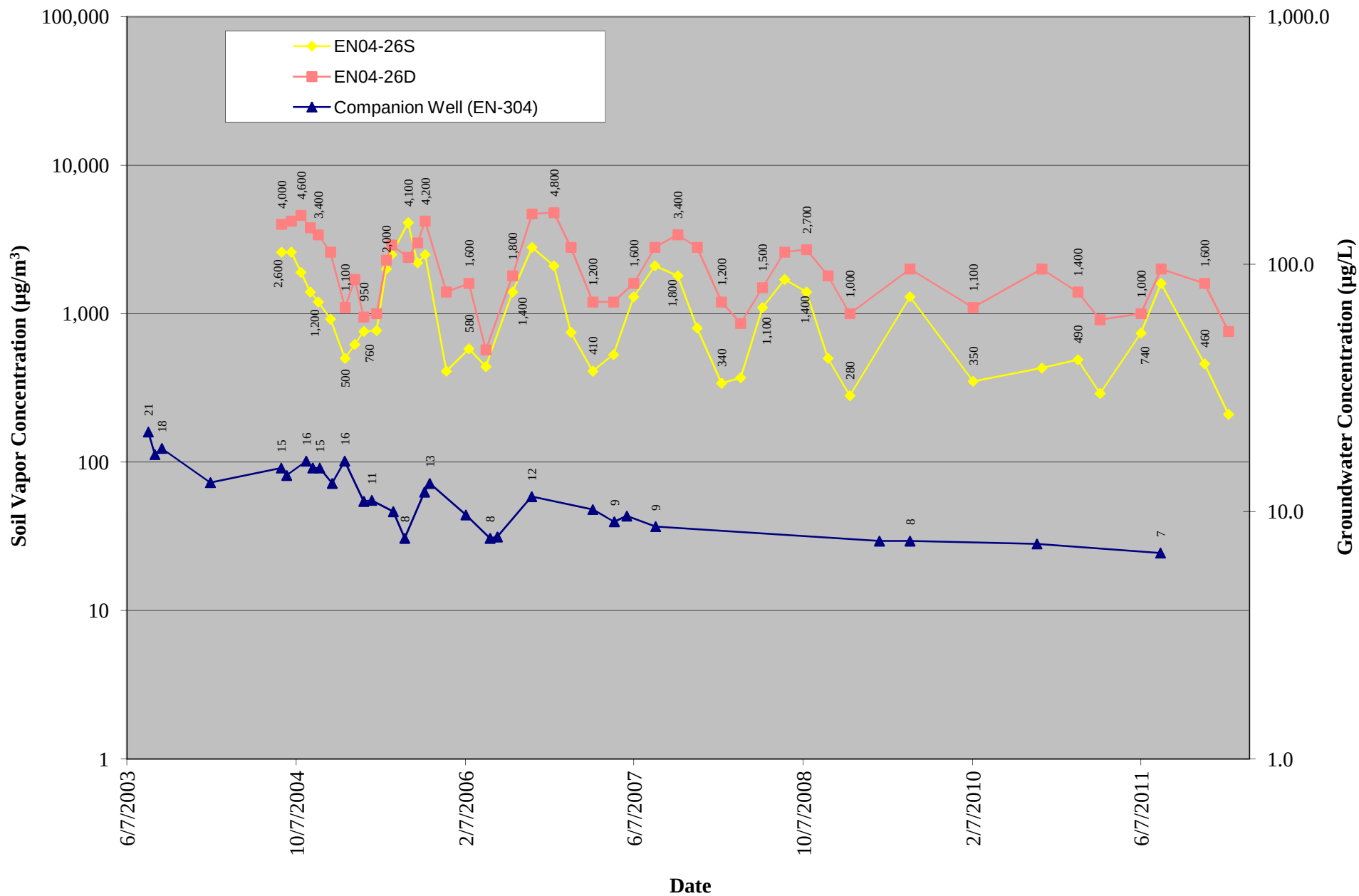


Figure A.27
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

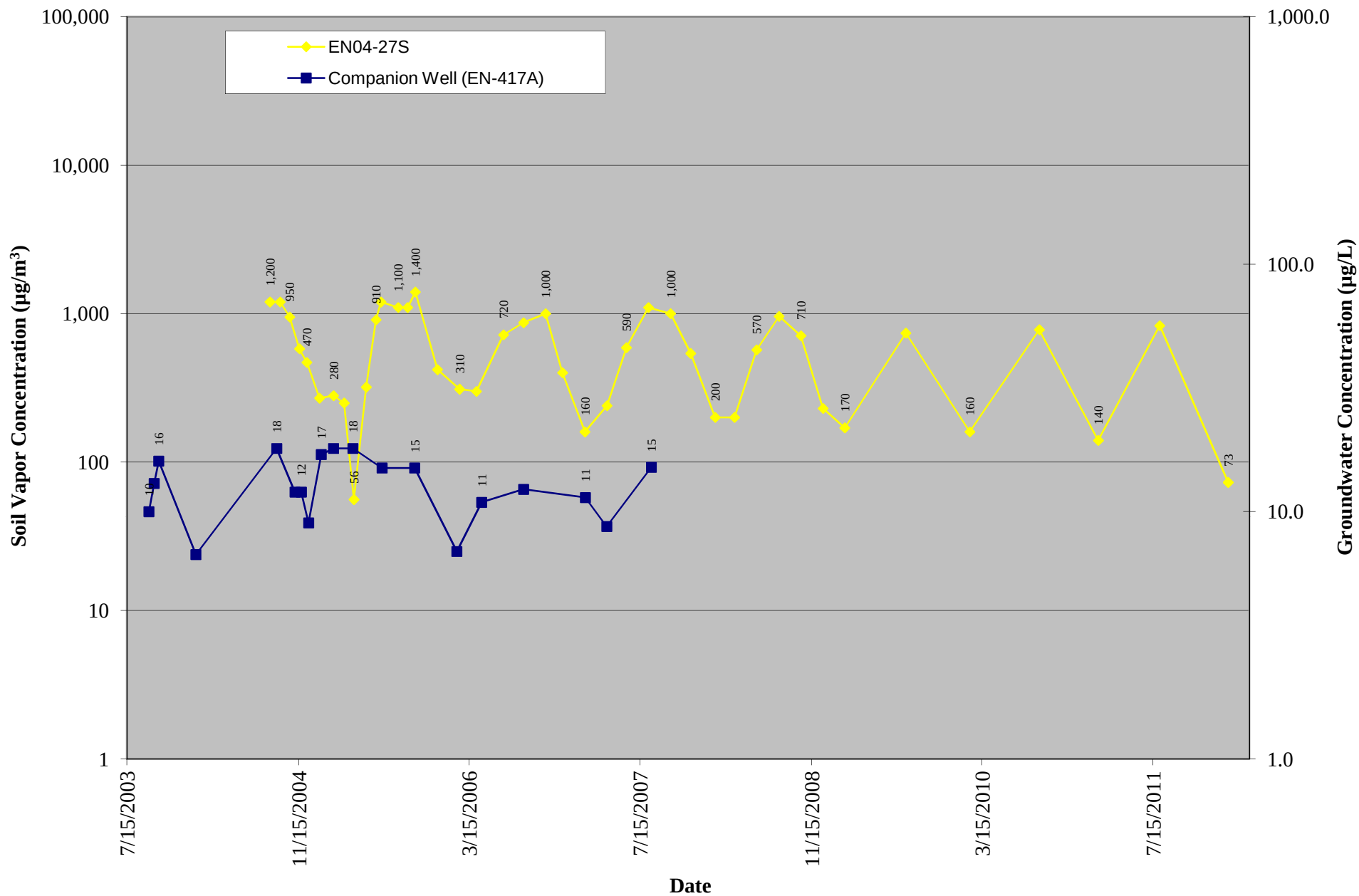


Figure A.28
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

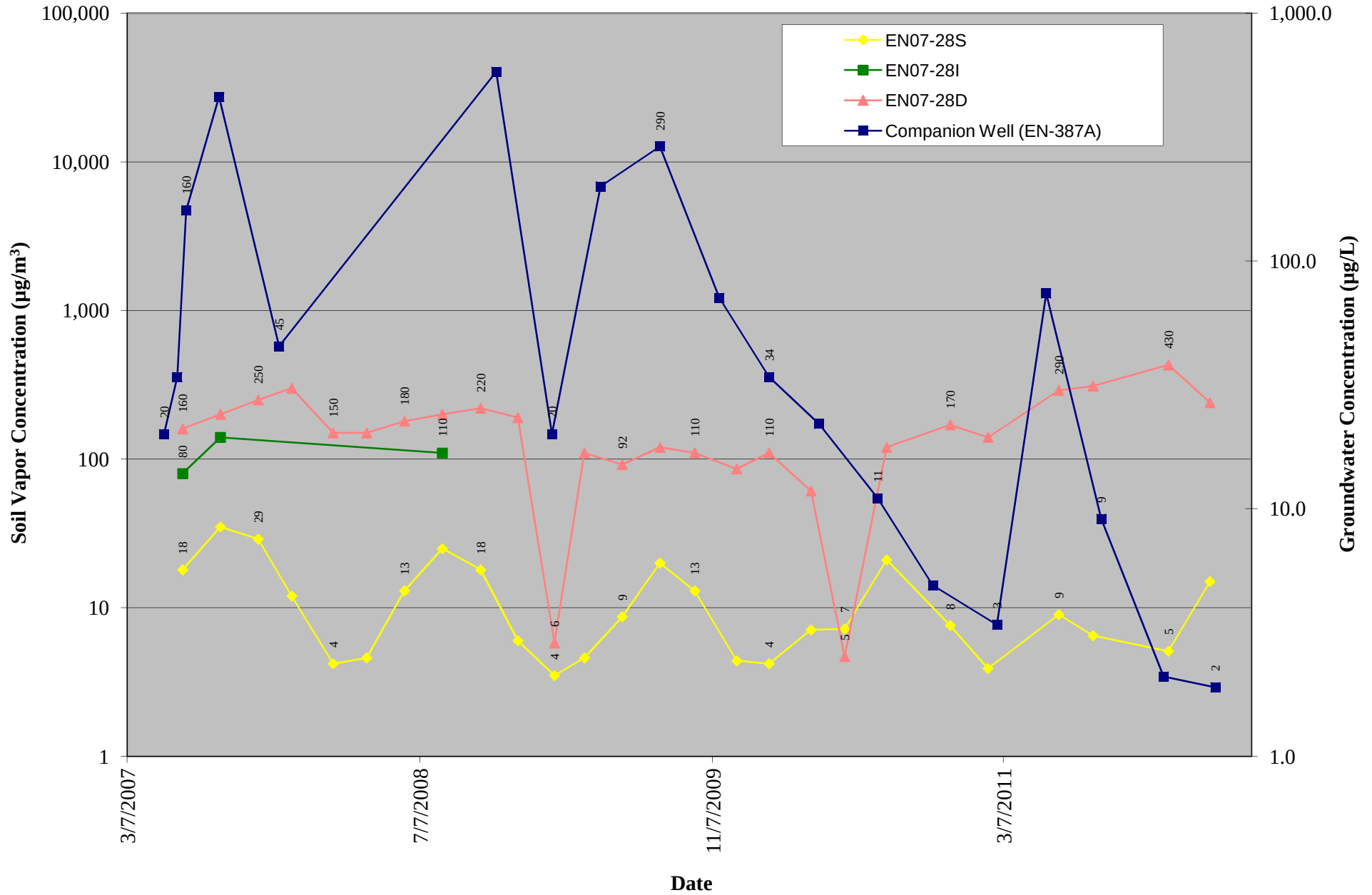


Figure A.29
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

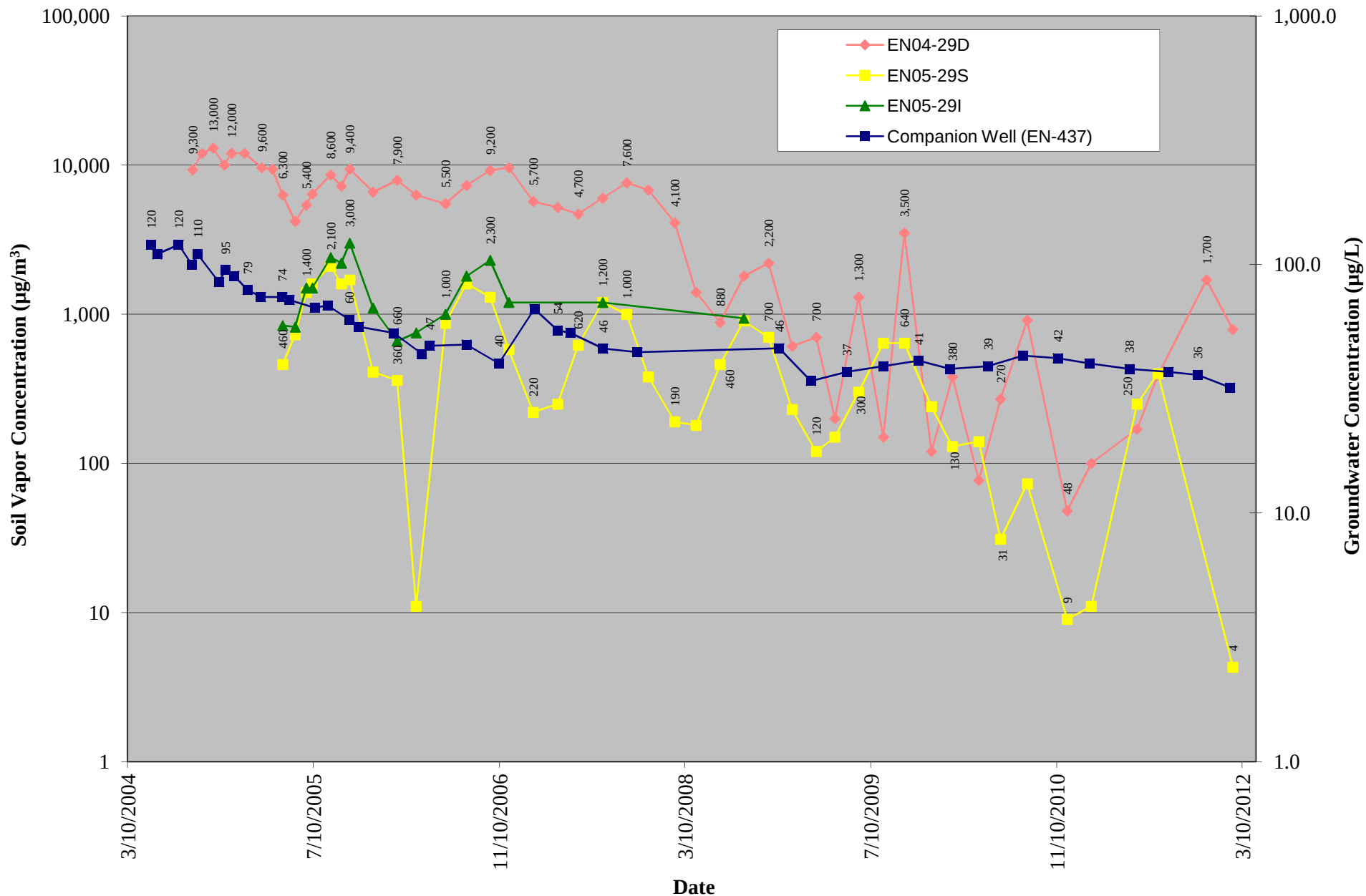


Figure A.30
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

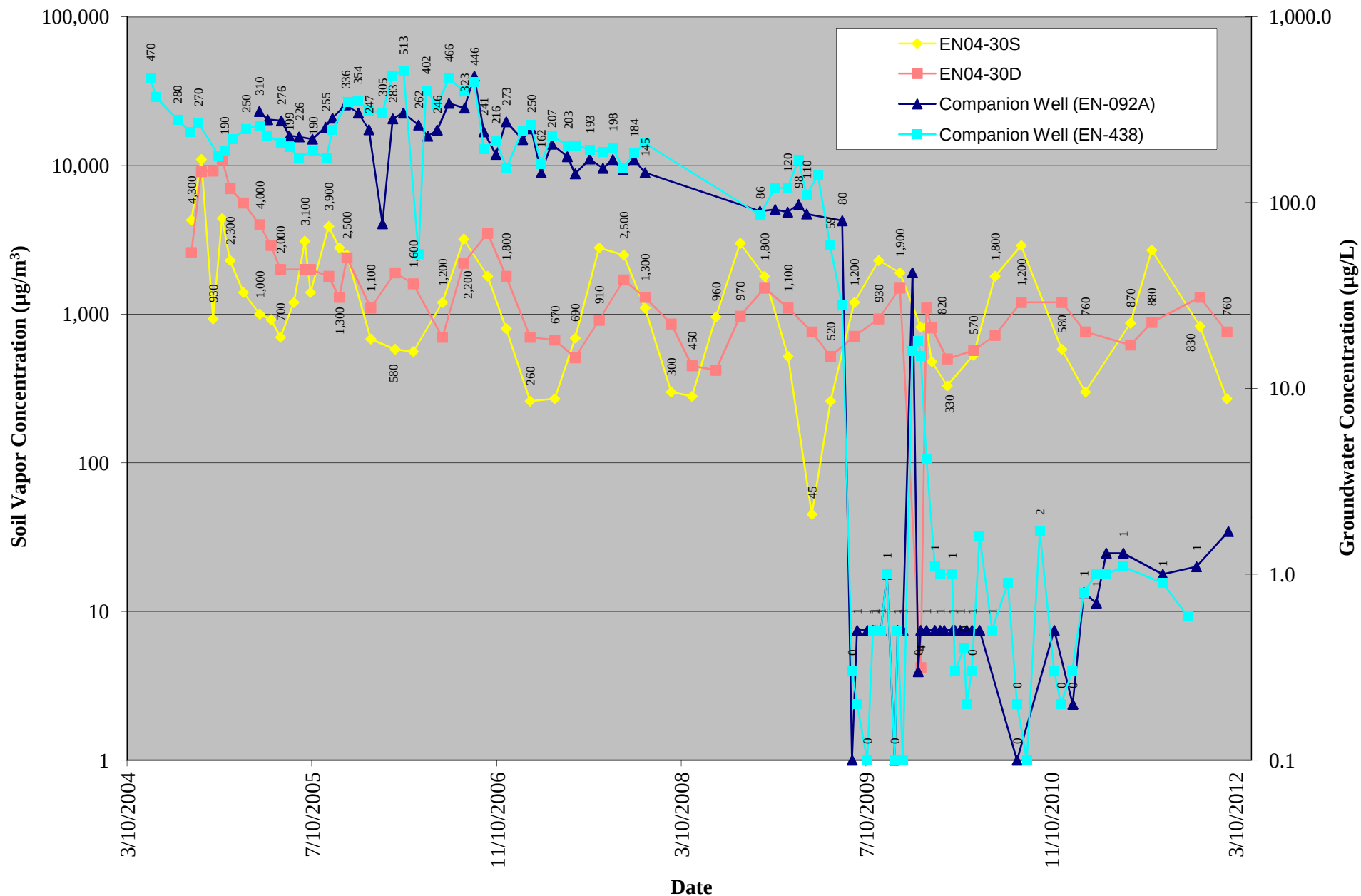


Figure A.31
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

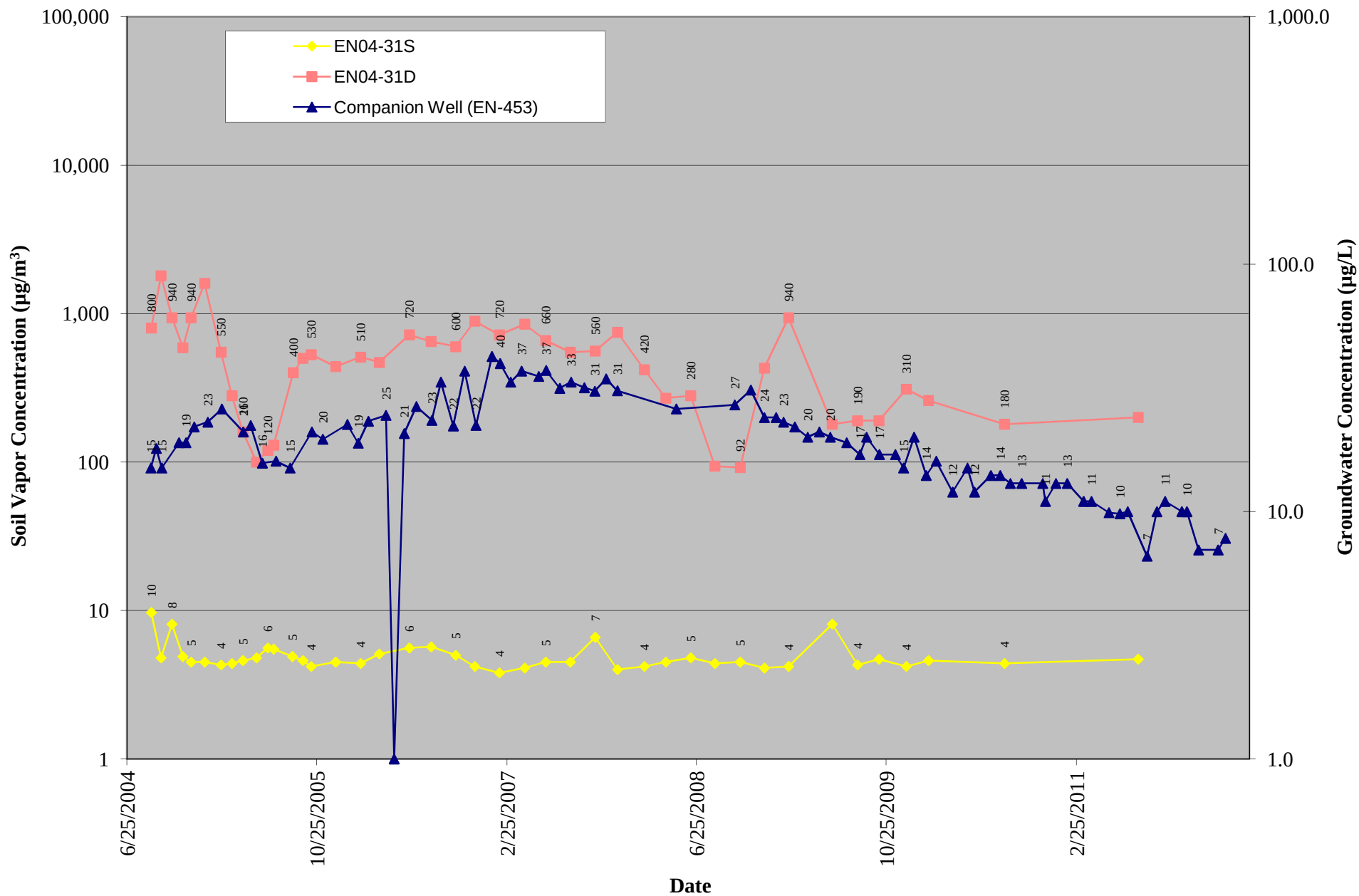


Figure A.32
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

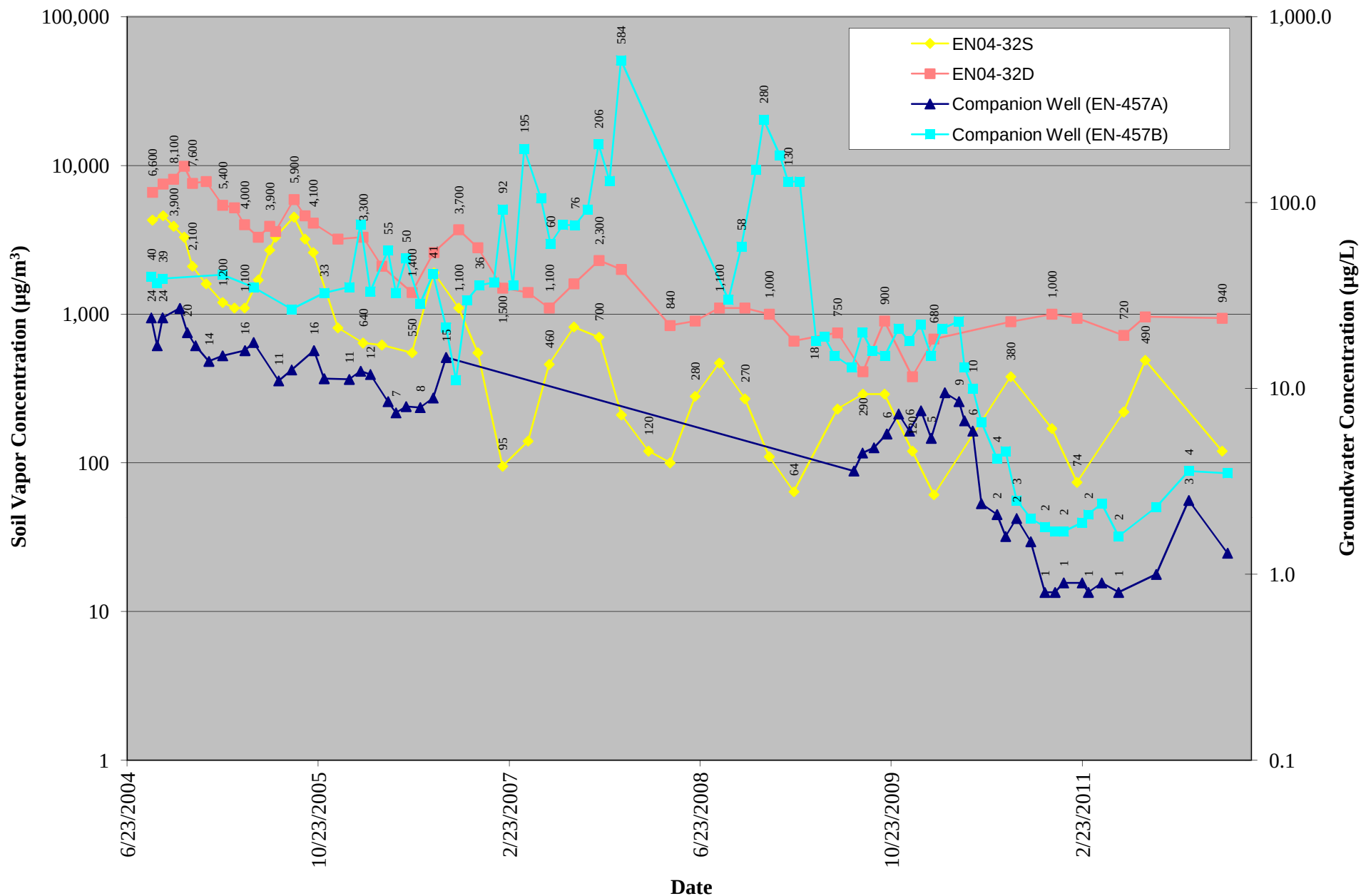


Figure A.33
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

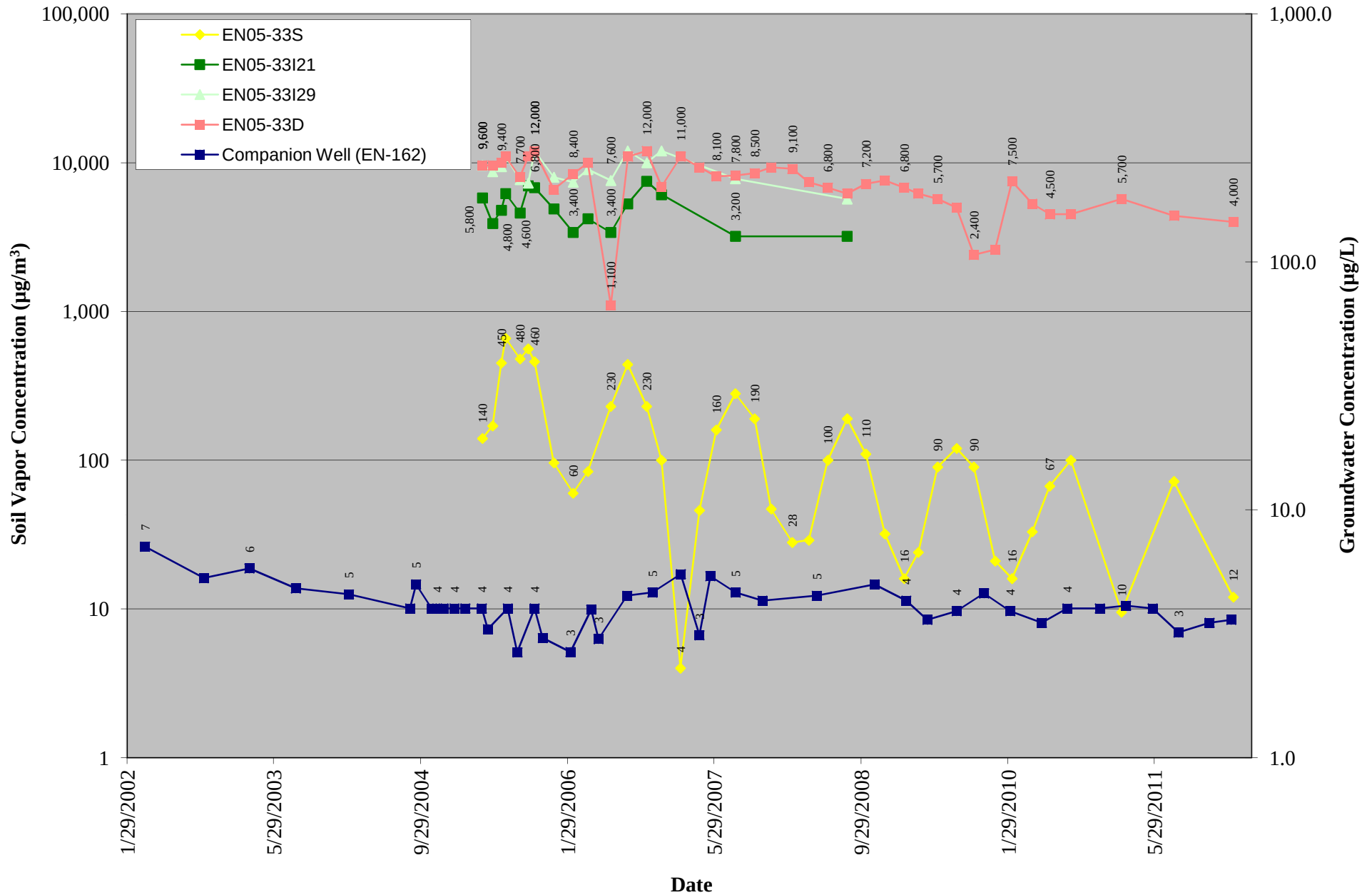


Figure A.34
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

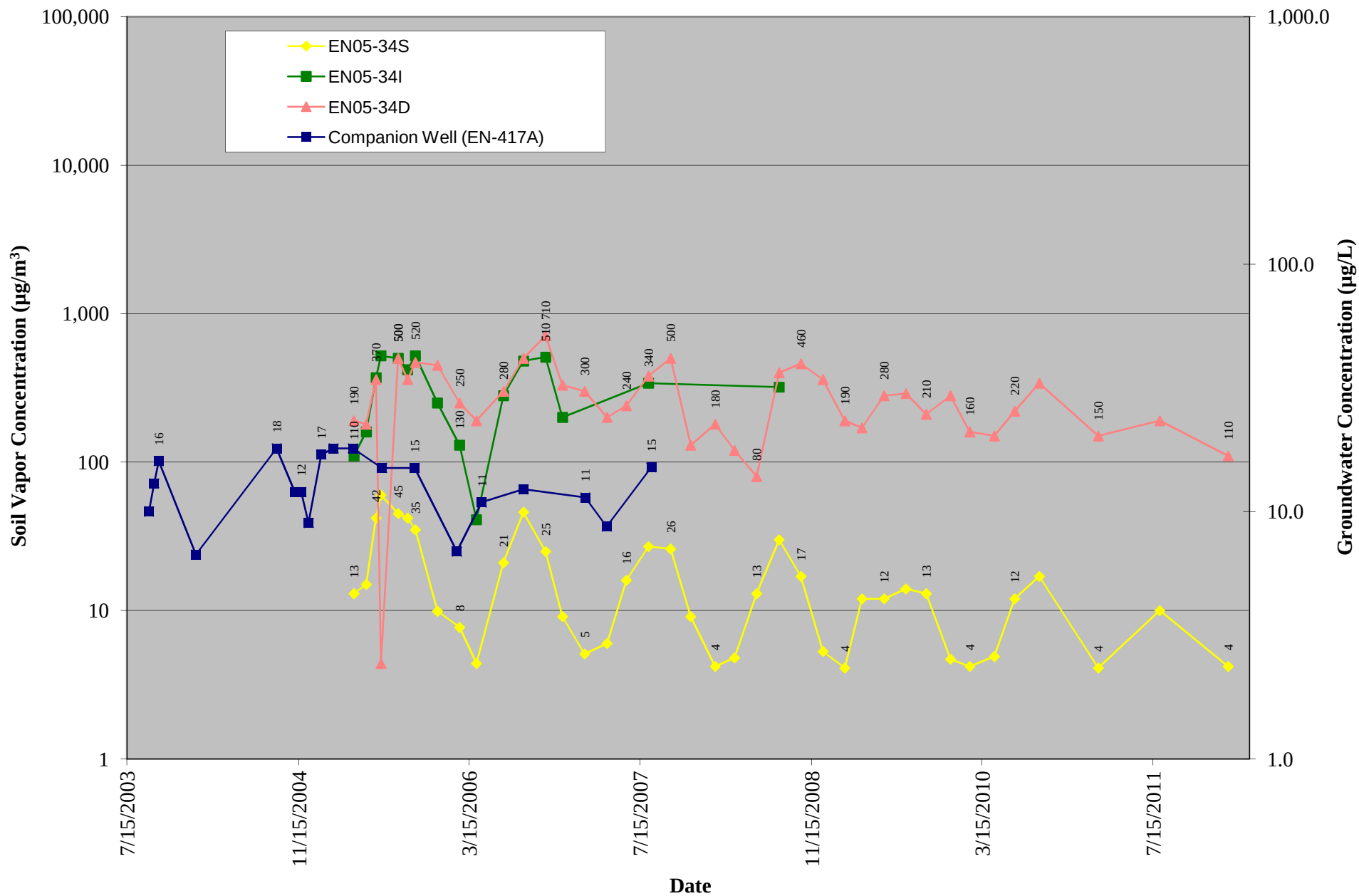


Figure A.35
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

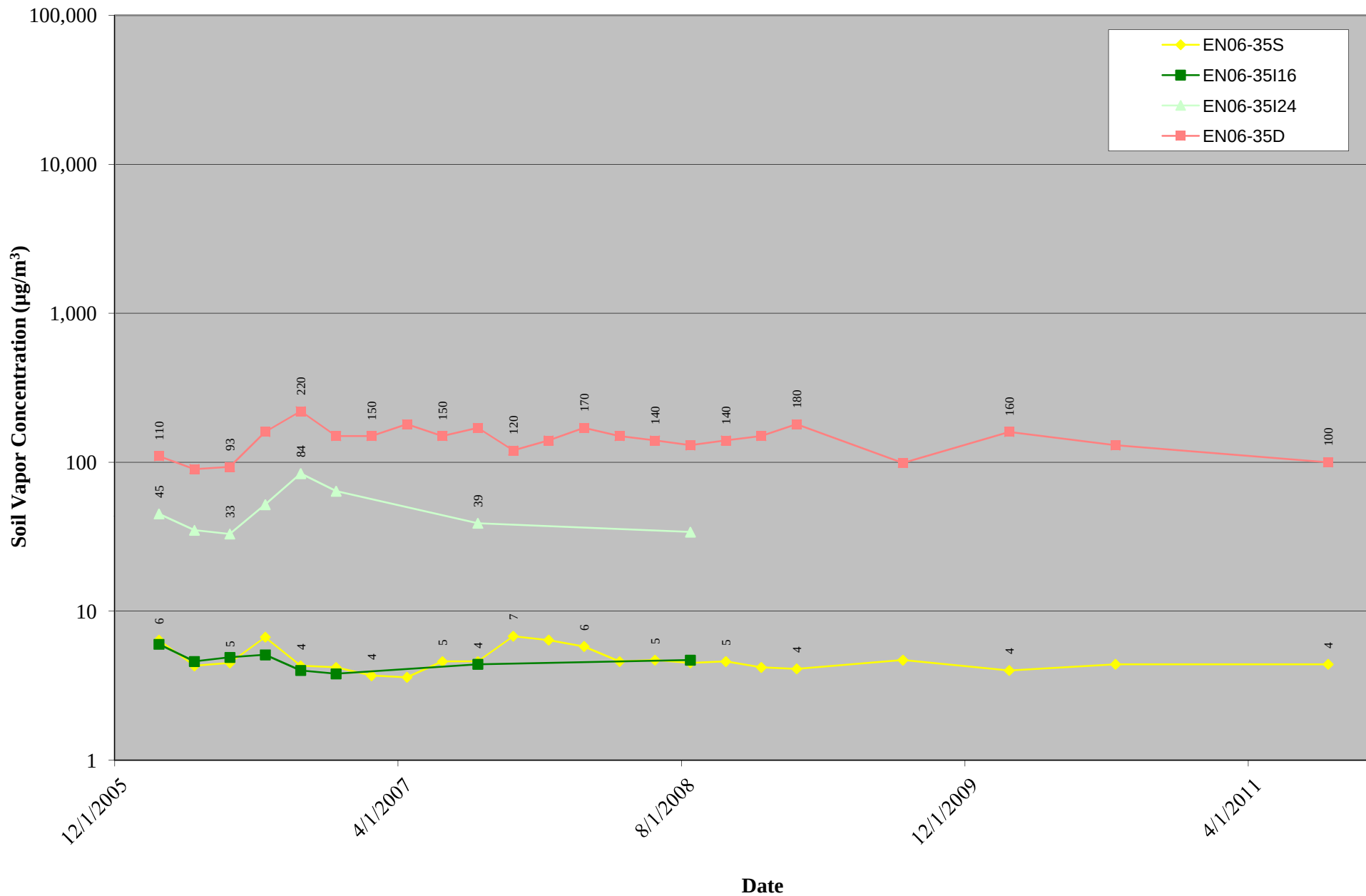


Figure A.36
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

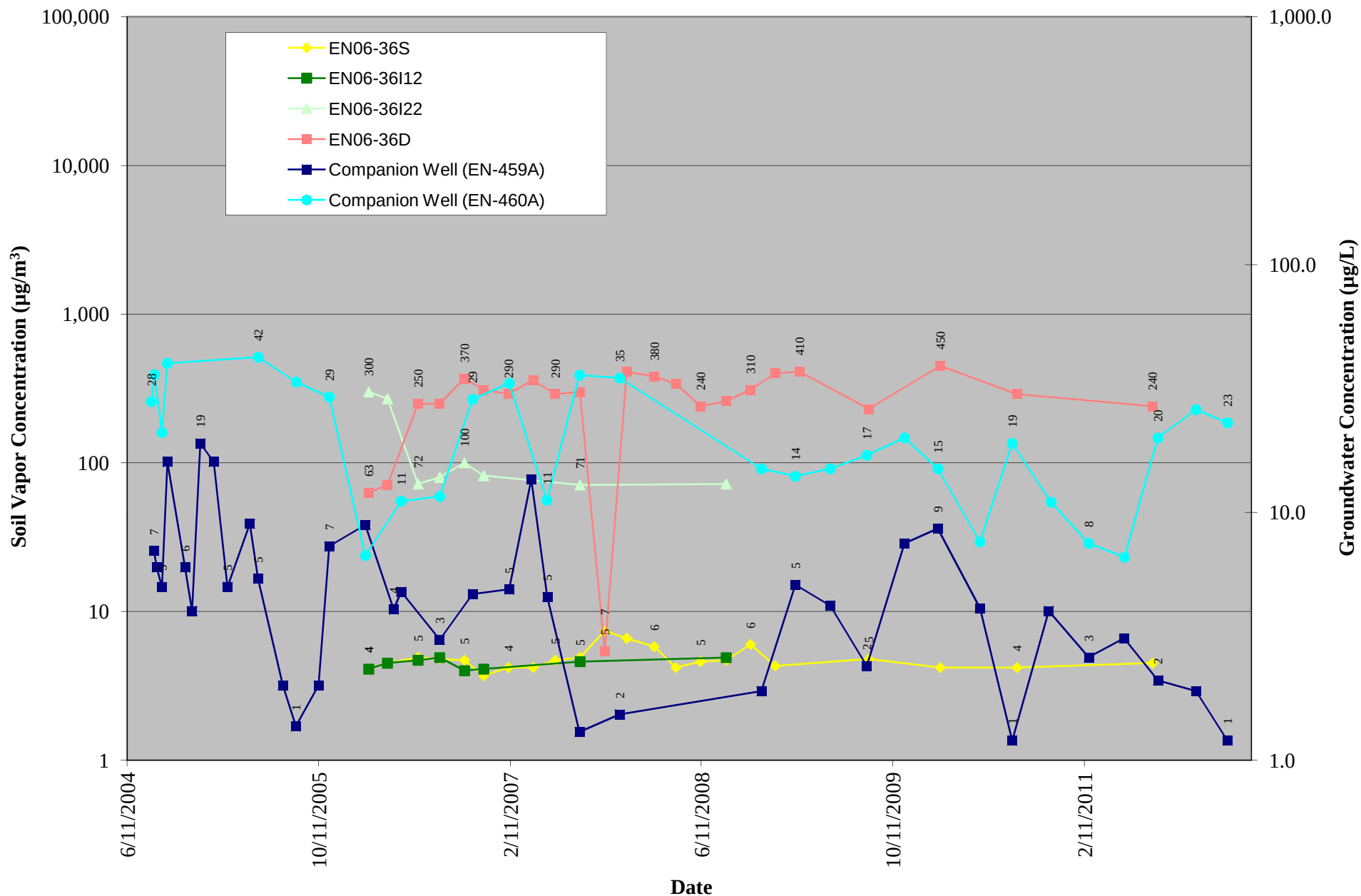


Figure A.37
TCE in Soil Vapor and Groundwater
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York

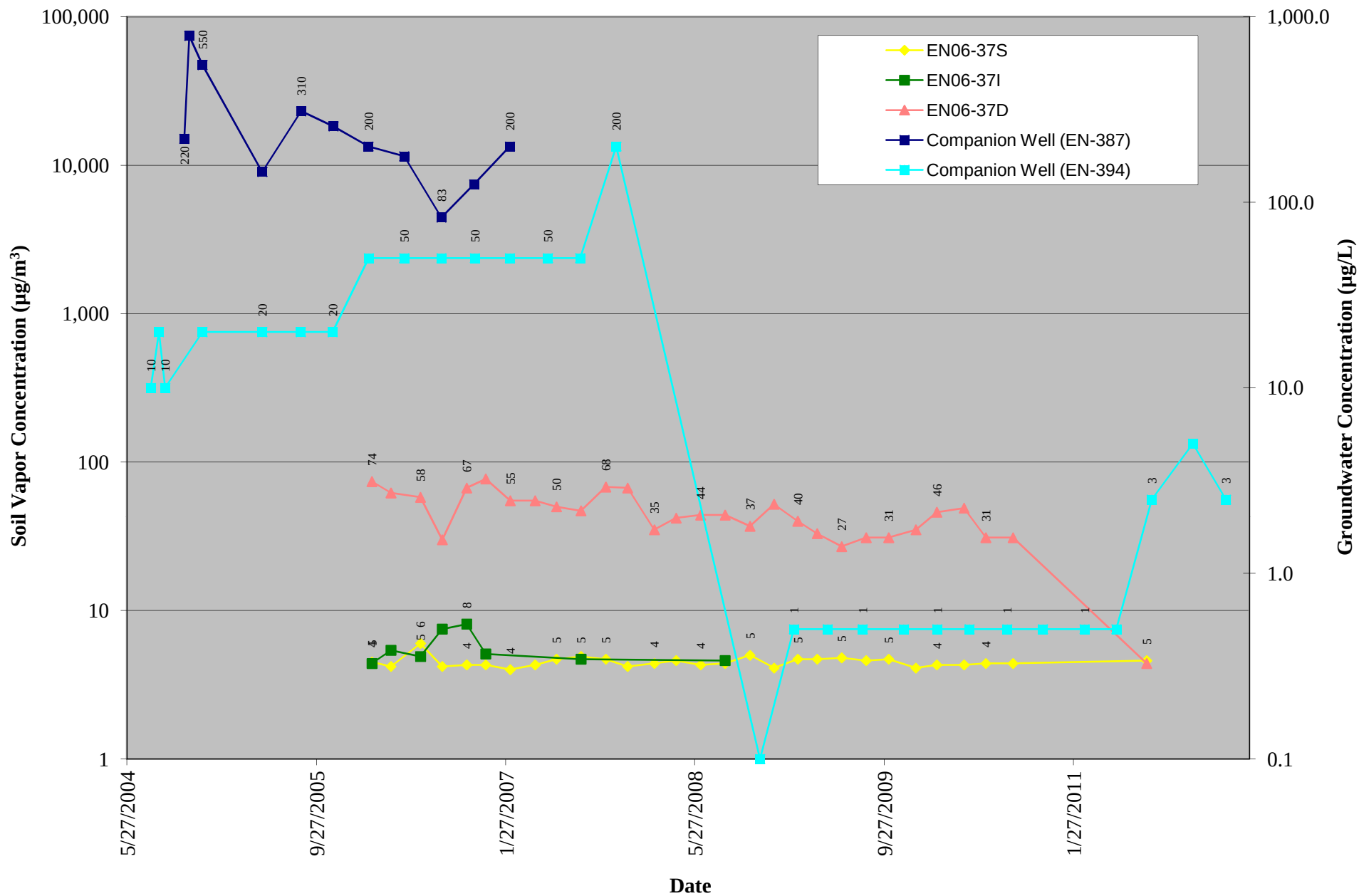
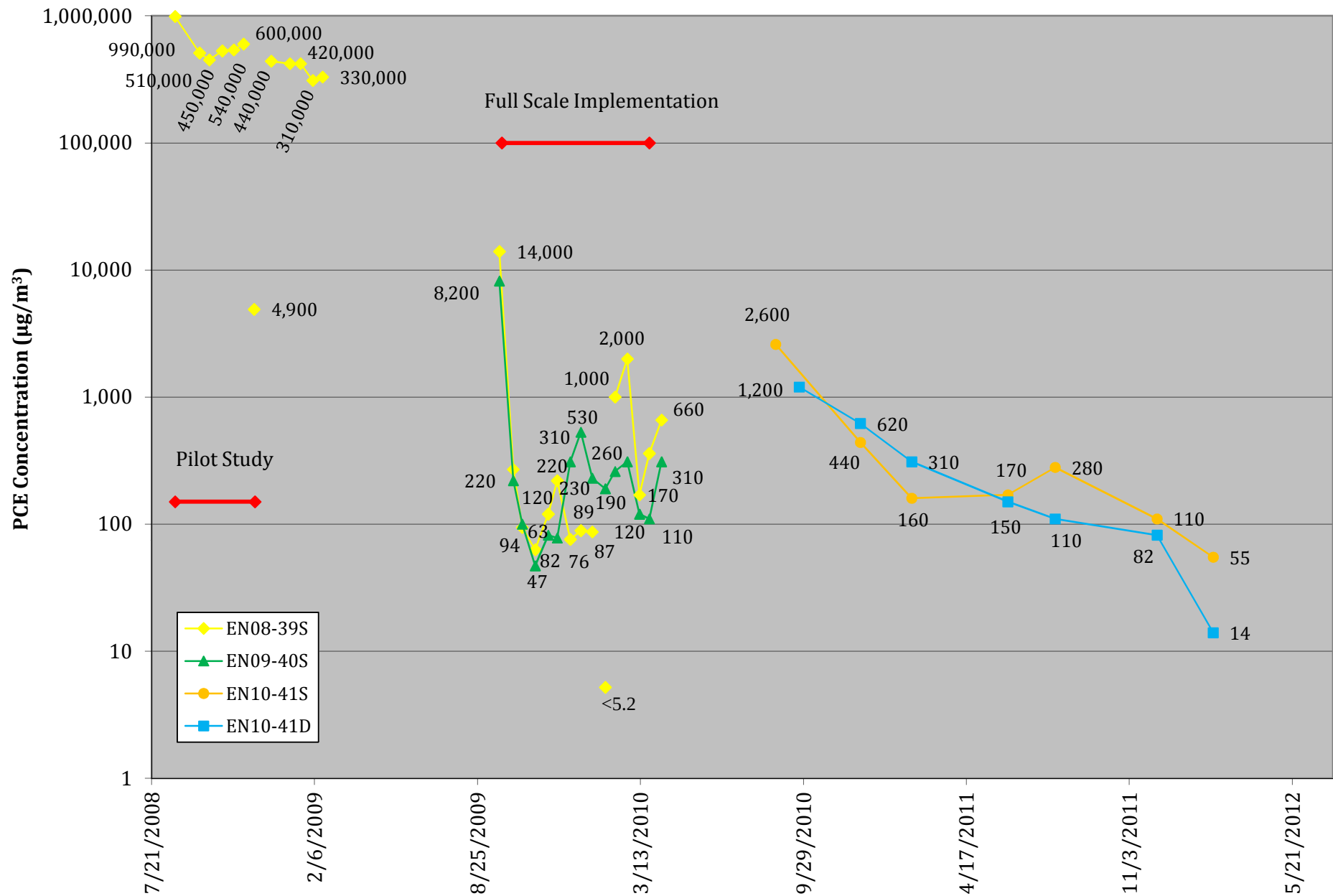


Figure A.38
PCE in Soil Vapor
 Semiannual Report - Soil Vapor Monitoring through February 2012
 Comprehensive Operations, Maintenance, Monitoring Program
 Endicott, New York



ATTACHMENT B

ANALYTICAL LABORATORY REPORTS

12/16/2011
Ms. Erica Bradstreet
Sanborn, Head & Associates
1715 W 13th Street

Houston TX 77008

Project Name: Endicott Soil Vapor Sampling Dece
Project #: 2755.06
Workorder #: 1112213

Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 12/9/2011 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: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1112213

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 1715 W 13th Street Houston, TX 77008	BILL TO:	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	713-869-2259	P.O. #	2755.03
FAX:		PROJECT #	2755.06 Endicott Soil Vapor Sampling
DATE RECEIVED:	12/09/2011	CONTACT:	Dece Ausha Scott
DATE COMPLETED:	12/16/2011		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	DU13898120711	Modified TO-15	4.4 "Hg	5 psi
02A	DU3457120711	Modified TO-15	4.6 "Hg	5 psi
03A	EB3333120711	Modified TO-15	3.8 "Hg	5 psi
04A	EN0411D120711	Modified TO-15	3.2 "Hg	5 psi
05A	EN0411S120711	Modified TO-15	3.8 "Hg	5 psi
06A	EN0412D120711	Modified TO-15	2.6 "Hg	5 psi
06AA	EN0412D120711 Lab Duplicate	Modified TO-15	2.6 "Hg	5 psi
07A	EN0412S120711	Modified TO-15	2.4 "Hg	5 psi
08A	EN0417D120711	Modified TO-15	2.4 "Hg	5 psi
09A	EN0417S120711	Modified TO-15	2.0 "Hg	5 psi
10A	EN0426D120711	Modified TO-15	5.4 "Hg	5 psi
11A	EN0426S120711	Modified TO-15	4.8 "Hg	5 psi
12A	EN0429D120711	Modified TO-15	4.0 "Hg	5 psi
13A	EN0429S120711	Modified TO-15	1.8 "Hg	5 psi
14A	EN0430D120711	Modified TO-15	2.2 "Hg	5 psi
15A	EN0430S120711	Modified TO-15	5.0 "Hg	5 psi
16A	EN047D120711	Modified TO-15	5.0 "Hg	5 psi

Continued on next page

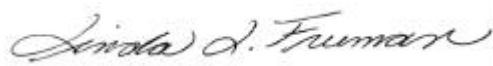
WORK ORDER #: 1112213

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 1715 W 13th Street Houston, TX 77008	BILL TO:	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	713-869-2259	P.O. #	2755.03
FAX:		PROJECT #	2755.06 Endicott Soil Vapor Sampling
DATE RECEIVED:	12/09/2011	CONTACT:	Dece Ausha Scott
DATE COMPLETED:	12/16/2011		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
17A	EN047S120711	Modified TO-15	3.2 "Hg	5 psi
18A	EN0728D120711	Modified TO-15	2.0 "Hg	5 psi
18AA	EN0728D120711 Lab Duplicate	Modified TO-15	2.0 "Hg	5 psi
19A	EN0728S120711	Modified TO-15	1.8 "Hg	5 psi
20A	EN1017D120711	Modified TO-15	4.8 "Hg	5 psi
21A	EN1041D120711	Modified TO-15	4.0 "Hg	5 psi
22A	EN1041S120711	Modified TO-15	4.8 "Hg	5 psi
23A	Lab Blank	Modified TO-15	NA	NA
23B	Lab Blank	Modified TO-15	NA	NA
23C	Lab Blank	Modified TO-15	NA	NA
24A	CCV	Modified TO-15	NA	NA
24B	CCV	Modified TO-15	NA	NA
24C	CCV	Modified TO-15	NA	NA
25A	LCS	Modified TO-15	NA	NA
25AA	LCSD	Modified TO-15	NA	NA
25B	LCS	Modified TO-15	NA	NA
25BB	LCSD	Modified TO-15	NA	NA
25C	LCS	Modified TO-15	NA	NA
25CC	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:



Laboratory Director

DATE: 12/16/11

Certification numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
 NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP - CA009332011-1, WA NELAP - C935
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/11, Expiration date: 06/30/12.

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
EPA Method TO-15
Sanborn, Head & Associates
Workorder# 1112213**

twenty-two 1 Liter Summa Canister (100% Certified) samples were received on December 09, 2011. The laboratory performed analysis via 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.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedences and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

Dilutions were performed on samples EN0429D120711, EN047D120711, EN0728D120711 and EN1017D120711 due to the presence of high level target species.

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 and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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

Client Sample ID: DU13898120711

Lab ID#: 1112213-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.78	1.3	4.2	6.8
Tetrachloroethene	0.78	12	5.3	84

Client Sample ID: DU3457120711

Lab ID#: 1112213-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.79	1.8	4.3	9.6
Trichloroethene	0.79	130	4.2	700

Client Sample ID: EB3333120711

Lab ID#: 1112213-03A

No Detections Were Found.

Client Sample ID: EN0411D120711

Lab ID#: 1112213-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.75	0.94	3.0	3.7
1,1,1-Trichloroethane	0.75	5.6	4.1	31
Trichloroethene	0.75	200	4.0	1100
Tetrachloroethene	0.75	5.7	5.1	39

Client Sample ID: EN0411S120711

Lab ID#: 1112213-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.76	13	4.1	69

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

Client Sample ID: EN0412D120711

Lab ID#: 1112213-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.74	2.9	4.0	16
Trichloroethene	0.74	71	4.0	380

Client Sample ID: EN0412D120711 Lab Duplicate

Lab ID#: 1112213-06AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	2.4	3.0	13	17
Trichloroethene	2.4	73	13	390

Client Sample ID: EN0412S120711

Lab ID#: 1112213-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.73	3.0	4.0	16
Trichloroethene	0.73	79	3.9	420

Client Sample ID: EN0417D120711

Lab ID#: 1112213-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.73	4.3	3.9	23

Client Sample ID: EN0417S120711

Lab ID#: 1112213-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.72	25	3.9	140

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

Client Sample ID: EN0426D120711

Lab ID#: 1112213-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.82	1.3	6.2	10
1,1,1-Trichloroethane	0.82	14	4.4	79
Trichloroethene	0.82	290	4.4	1600
Tetrachloroethene	0.82	2.0	5.5	14

Client Sample ID: EN0426S120711

Lab ID#: 1112213-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.80	0.82	6.1	6.3
1,1,1-Trichloroethane	0.80	7.3	4.4	40
Trichloroethene	0.80	85	4.3	460
Tetrachloroethene	0.80	1.1	5.4	7.3

Client Sample ID: EN0429D120711

Lab ID#: 1112213-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.7	12	9.4	69
Trichloroethene	1.7	320	9.3	1700

Client Sample ID: EN0429S120711

Lab ID#: 1112213-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.71	2.6	3.8	14

Client Sample ID: EN0430D120711

Lab ID#: 1112213-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
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Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0430D120711

Lab ID#: 1112213-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.72	2.5	5.6	19
1,1-Dichloroethane	0.72	6.2	2.9	25
cis-1,2-Dichloroethene	0.72	1.6	2.9	6.4
1,1,1-Trichloroethane	0.72	24	4.0	130
Trichloroethene	0.72	250	3.9	1300
Tetrachloroethene	0.72	8.1	4.9	55

Client Sample ID: EN0430S120711

Lab ID#: 1112213-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.80	1.7	4.4	9.2
Trichloroethene	0.80	160	4.3	830

Client Sample ID: EN047D120711

Lab ID#: 1112213-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	2.2	2.9	8.5	11
1,1,1-Trichloroethane	2.2	24	12	130
Trichloroethene	2.2	790	12	4200

Client Sample ID: EN047S120711

Lab ID#: 1112213-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	1.0	1.0	6.8	6.9

Client Sample ID: EN0728D120711

Lab ID#: 1112213-18A

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

Client Sample ID: EN0728D120711

Lab ID#: 1112213-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	2.9	23	11	91
Trichloroethene	2.9	79	15	430
Tetrachloroethene	2.9	840	20	5700

Client Sample ID: EN0728D120711 Lab Duplicate

Lab ID#: 1112213-18AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	2.9	23	11	90
Trichloroethene	2.9	80	15	430
Tetrachloroethene	2.9	850	20	5800

Client Sample ID: EN0728S120711

Lab ID#: 1112213-19A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.95	18	6.4	120

Client Sample ID: EN1017D120711

Lab ID#: 1112213-20A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	24	40	96
1,1,1-Trichloroethane	10	66	54	360
Trichloroethene	10	3600	54	19000

Client Sample ID: EN1041D120711

Lab ID#: 1112213-21A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.78	3.6	4.2	19

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

Client Sample ID: EN1041D120711

Lab ID#: 1112213-21A

Tetrachloroethene	0.78	12	5.2	82
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Client Sample ID: EN1041S120711

Lab ID#: 1112213-22A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.80	1.7	4.3	9.4
Tetrachloroethene	0.80	16	5.4	110

Client Sample ID: DU13898120711

Lab ID#: 1112213-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121314	Date of Collection: 12/7/11 2:51:00 PM
Dil. Factor:	1.57	Date of Analysis: 12/13/11 01:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
Chloroethane	3.1	Not Detected	8.3	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Freon 113	0.78	Not Detected	6.0	Not Detected
Methylene Chloride	0.78	Not Detected UJ	2.7	Not Detected UJ
1,1-Dichloroethane	0.78	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.3	Not Detected
Trichloroethene	0.78	1.3	4.2	6.8
Tetrachloroethene	0.78	12	5.3	84
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: DU3457120711

Lab ID#: 1112213-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	o121213	Date of Collection: 12/7/11 11:05:00 AM
Dil. Factor:	1.58	Date of Analysis: 12/12/11 04:32 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	3.2	Not Detected	8.3	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	1.8	4.3	9.6
Trichloroethene	0.79	130	4.2	700
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	99	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: EB3333120711

Lab ID#: 1112213-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	o121214	Date of Collection: 12/7/11 4:01:00 PM
Dil. Factor:	1.53	Date of Analysis: 12/12/11 05:02 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.76	Not Detected	2.0	Not Detected
Chloroethane	3.1	Not Detected	8.1	Not Detected
1,1-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Freon 113	0.76	Not Detected	5.9	Not Detected
Methylene Chloride	0.76	Not Detected	2.6	Not Detected
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	4.2	Not Detected
Trichloroethene	0.76	Not Detected	4.1	Not Detected
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
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	98	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	95	70-130

Client Sample ID: EN0411D120711

Lab ID#: 1112213-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121315	Date of Collection: 12/7/11 10:19:00 AM
Dil. Factor:	1.50	Date of Analysis: 12/13/11 02:05 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.75	Not Detected	1.9	Not Detected
Chloroethane	3.0	Not Detected	7.9	Not Detected
1,1-Dichloroethene	0.75	Not Detected	3.0	Not Detected
Freon 113	0.75	Not Detected	5.7	Not Detected
Methylene Chloride	0.75	Not Detected UJ	2.6	Not Detected UJ
1,1-Dichloroethane	0.75	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	0.75	0.94	3.0	3.7
1,1,1-Trichloroethane	0.75	5.6	4.1	31
Trichloroethene	0.75	200	4.0	1100
Tetrachloroethene	0.75	5.7	5.1	39
trans-1,2-Dichloroethene	0.75	Not Detected	3.0	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	105	70-130

Client Sample ID: EN0411S120711

Lab ID#: 1112213-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121316	Date of Collection: 12/7/11 10:10:00 AM
Dil. Factor:	1.53	Date of Analysis: 12/13/11 02:29 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.76	Not Detected	2.0	Not Detected
Chloroethane	3.1	Not Detected	8.1	Not Detected
1,1-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Freon 113	0.76	Not Detected	5.9	Not Detected
Methylene Chloride	0.76	Not Detected UJ	2.6	Not Detected UJ
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	4.2	Not Detected
Trichloroethene	0.76	13	4.1	69
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: EN0412D120711

Lab ID#: 1112213-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121318	Date of Collection: 12/7/11 12:51:00 PM
Dil. Factor:	1.47	Date of Analysis: 12/13/11 03:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.74	Not Detected	1.9	Not Detected
Chloroethane	2.9	Not Detected	7.8	Not Detected
1,1-Dichloroethene	0.74	Not Detected	2.9	Not Detected
Freon 113	0.74	Not Detected	5.6	Not Detected
Methylene Chloride	0.74	Not Detected UJ	2.6	Not Detected UJ
1,1-Dichloroethane	0.74	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	0.74	Not Detected	2.9	Not Detected
1,1,1-Trichloroethane	0.74	2.9	4.0	16
Trichloroethene	0.74	71	4.0	380
Tetrachloroethene	0.74	Not Detected	5.0	Not Detected
trans-1,2-Dichloroethene	0.74	Not Detected	2.9	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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	106	70-130

Client Sample ID: EN0412D120711 Lab Duplicate

Lab ID#: 1112213-06AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121317	Date of Collection: 12/7/11 12:51:00 PM
Dil. Factor:	4.90	Date of Analysis: 12/13/11 02:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.4	Not Detected	6.3	Not Detected
Chloroethane	9.8	Not Detected	26	Not Detected
1,1-Dichloroethene	2.4	Not Detected	9.7	Not Detected
Freon 113	2.4	Not Detected	19	Not Detected
Methylene Chloride	2.4	Not Detected UJ	8.5	Not Detected UJ
1,1-Dichloroethane	2.4	Not Detected	9.9	Not Detected
cis-1,2-Dichloroethene	2.4	Not Detected	9.7	Not Detected
1,1,1-Trichloroethane	2.4	3.0	13	17
Trichloroethene	2.4	73	13	390
Tetrachloroethene	2.4	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	2.4	Not Detected	9.7	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	110	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: EN0412S120711

Lab ID#: 1112213-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121319	Date of Collection: 12/7/11 12:50:00 PM
Dil. Factor:	1.46	Date of Analysis: 12/13/11 03:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.73	Not Detected	1.9	Not Detected
Chloroethane	2.9	Not Detected	7.7	Not Detected
1,1-Dichloroethene	0.73	Not Detected	2.9	Not Detected
Freon 113	0.73	Not Detected	5.6	Not Detected
Methylene Chloride	0.73	Not Detected UJ	2.5	Not Detected UJ
1,1-Dichloroethane	0.73	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected
1,1,1-Trichloroethane	0.73	3.0	4.0	16
Trichloroethene	0.73	79	3.9	420
Tetrachloroethene	0.73	Not Detected	5.0	Not Detected
trans-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: EN0417D120711

Lab ID#: 1112213-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121320	Date of Collection: 12/7/11 2:33:00 PM
Dil. Factor:	1.46	Date of Analysis: 12/13/11 04:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.73	Not Detected	1.9	Not Detected
Chloroethane	2.9	Not Detected	7.7	Not Detected
1,1-Dichloroethene	0.73	Not Detected	2.9	Not Detected
Freon 113	0.73	Not Detected	5.6	Not Detected
Methylene Chloride	0.73	Not Detected UJ	2.5	Not Detected UJ
1,1-Dichloroethane	0.73	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected
1,1,1-Trichloroethane	0.73	Not Detected	4.0	Not Detected
Trichloroethene	0.73	4.3	3.9	23
Tetrachloroethene	0.73	Not Detected	5.0	Not Detected
trans-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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	105	70-130

Client Sample ID: EN0417S120711

Lab ID#: 1112213-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121321	Date of Collection: 12/7/11 2:32:00 PM
Dil. Factor:	1.44	Date of Analysis: 12/13/11 04:34 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	2.9	Not Detected	7.6	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 UJ	2.5	Not Detected UJ
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	25	3.9	140
Tetrachloroethene	0.72	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.72	Not Detected	2.8	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	107	70-130

Client Sample ID: EN0426D120711

Lab ID#: 1112213-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121322	Date of Collection: 12/7/11 11:35:00 AM
Dil. Factor:	1.63	Date of Analysis: 12/13/11 04:59 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	3.3	Not Detected	8.6	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Freon 113	0.82	1.3	6.2	10
Methylene Chloride	0.82	Not Detected UJ	2.8	Not Detected UJ
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	14	4.4	79
Trichloroethene	0.82	290	4.4	1600
Tetrachloroethene	0.82	2.0	5.5	14
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	108	70-130

Client Sample ID: EN0426S120711

Lab ID#: 1112213-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121323	Date of Collection: 12/7/11 11:35:00 AM
Dil. Factor:	1.60	Date of Analysis: 12/13/11 05:21 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	3.2	Not Detected	8.4	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	0.82	6.1	6.3
Methylene Chloride	0.80	Not Detected UJ	2.8	Not Detected UJ
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	7.3	4.4	40
Trichloroethene	0.80	85	4.3	460
Tetrachloroethene	0.80	1.1	5.4	7.3
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

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

Client Sample ID: EN0429D120711

Lab ID#: 1112213-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2121409	Date of Collection: 12/7/11 10:43:00 AM
Dil. Factor:	3.46	Date of Analysis: 12/14/11 01:00 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	6.9	Not Detected	18	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	6.0	Not Detected
1,1-Dichloroethane	1.7	Not Detected	7.0	Not Detected
cis-1,2-Dichloroethene	1.7	Not Detected	6.8	Not Detected
1,1,1-Trichloroethane	1.7	12	9.4	69
Trichloroethene	1.7	320	9.3	1700
Tetrachloroethene	1.7	Not Detected	12	Not Detected
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	100	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: EN0429S120711

Lab ID#: 1112213-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121325	Date of Collection: 12/7/11 10:35:00 AM
Dil. Factor:	1.42	Date of Analysis: 12/13/11 06:08 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.71	Not Detected	1.8	Not Detected
Chloroethane	2.8	Not Detected	7.5	Not Detected
1,1-Dichloroethene	0.71	Not Detected	2.8	Not Detected
Freon 113	0.71	Not Detected	5.4	Not Detected
Methylene Chloride	0.71	Not Detected UJ	2.5	Not Detected UJ
1,1-Dichloroethane	0.71	Not Detected	2.9	Not Detected
cis-1,2-Dichloroethene	0.71	Not Detected	2.8	Not Detected
1,1,1-Trichloroethane	0.71	Not Detected	3.9	Not Detected
Trichloroethene	0.71	2.6	3.8	14
Tetrachloroethene	0.71	Not Detected	4.8	Not Detected
trans-1,2-Dichloroethene	0.71	Not Detected	2.8	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: EN0430D120711

Lab ID#: 1112213-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121326	Date of Collection: 12/7/11 9:44:00 AM
Dil. Factor:	1.45	Date of Analysis: 12/13/11 06:38 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	2.9	Not Detected	7.6	Not Detected
1,1-Dichloroethene	0.72	Not Detected	2.9	Not Detected
Freon 113	0.72	2.5	5.6	19
Methylene Chloride	0.72	Not Detected UJ	2.5	Not Detected UJ
1,1-Dichloroethane	0.72	6.2	2.9	25
cis-1,2-Dichloroethene	0.72	1.6	2.9	6.4
1,1,1-Trichloroethane	0.72	24	4.0	130
Trichloroethene	0.72	250	3.9	1300
Tetrachloroethene	0.72	8.1	4.9	55
trans-1,2-Dichloroethene	0.72	Not Detected	2.9	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: EN0430S120711

Lab ID#: 1112213-15A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121327	Date of Collection: 12/7/11 11:05:00 AM
Dil. Factor:	1.61	Date of Analysis: 12/13/11 07:01 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	3.2	Not Detected	8.5	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 UJ	2.8	Not Detected UJ
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	9.2
Trichloroethene	0.80	160	4.3	830
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: EN047D120711

Lab ID#: 1112213-16A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2121417	Date of Collection: 12/7/11 9:21:00 AM
Dil. Factor:	4.31	Date of Analysis: 12/14/11 05:44 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.2	Not Detected	5.5	Not Detected
Chloroethane	8.6	Not Detected	23	Not Detected
1,1-Dichloroethene	2.2	Not Detected	8.5	Not Detected
Freon 113	2.2	Not Detected	16	Not Detected
Methylene Chloride	2.2	Not Detected	7.5	Not Detected
1,1-Dichloroethane	2.2	Not Detected	8.7	Not Detected
cis-1,2-Dichloroethene	2.2	2.9	8.5	11
1,1,1-Trichloroethane	2.2	24	12	130
Trichloroethene	2.2	790	12	4200
Tetrachloroethene	2.2	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	2.2	Not Detected	8.5	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN047S120711

Lab ID#: 1112213-17A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2121418	Date of Collection: 12/7/11 9:21:00 AM
Dil. Factor:	2.01	Date of Analysis: 12/14/11 06:21 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	4.0	Not Detected	11	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	Not Detected	5.4	Not Detected
Tetrachloroethene	1.0	1.0	6.8	6.9
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	102	70-130
Toluene-d8	116	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: EN0728D120711

Lab ID#: 1112213-18A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121330	Date of Collection: 12/7/11 2:00:00 PM
Dil. Factor:	5.76	Date of Analysis: 12/13/11 08:22 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.9	Not Detected	7.4	Not Detected
Chloroethane	12	Not Detected	30	Not Detected
1,1-Dichloroethene	2.9	Not Detected	11	Not Detected
Freon 113	2.9	Not Detected	22	Not Detected
Methylene Chloride	2.9	Not Detected UJ	10	Not Detected UJ
1,1-Dichloroethane	2.9	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	2.9	23	11	91
1,1,1-Trichloroethane	2.9	Not Detected	16	Not Detected
Trichloroethene	2.9	79	15	430
Tetrachloroethene	2.9	840	20	5700
trans-1,2-Dichloroethene	2.9	Not Detected	11	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

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

Client Sample ID: EN0728D120711 Lab Duplicate

Lab ID#: 1112213-18AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121331	Date of Collection: 12/7/11 2:00:00 PM
Dil. Factor:	5.76	Date of Analysis: 12/13/11 08:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.9	Not Detected	7.4	Not Detected
Chloroethane	12	Not Detected	30	Not Detected
1,1-Dichloroethene	2.9	Not Detected	11	Not Detected
Freon 113	2.9	Not Detected	22	Not Detected
Methylene Chloride	2.9	Not Detected UJ	10	Not Detected UJ
1,1-Dichloroethane	2.9	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	2.9	23	11	90
1,1,1-Trichloroethane	2.9	Not Detected	16	Not Detected
Trichloroethene	2.9	80	15	430
Tetrachloroethene	2.9	850	20	5800
trans-1,2-Dichloroethene	2.9	Not Detected	11	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: EN0728S120711

Lab ID#: 1112213-19A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2121419	Date of Collection: 12/7/11 2:01:00 PM
Dil. Factor:	1.90	Date of Analysis: 12/14/11 06:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.95	Not Detected	2.4	Not Detected
Chloroethane	3.8	Not Detected	10	Not Detected
1,1-Dichloroethene	0.95	Not Detected	3.8	Not Detected
Freon 113	0.95	Not Detected	7.3	Not Detected
Methylene Chloride	0.95	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.95	Not Detected	3.8	Not Detected
cis-1,2-Dichloroethene	0.95	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.95	Not Detected	5.2	Not Detected
Trichloroethene	0.95	Not Detected	5.1	Not Detected
Tetrachloroethene	0.95	18	6.4	120
trans-1,2-Dichloroethene	0.95	Not Detected	3.8	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130

Client Sample ID: EN1017D120711

Lab ID#: 1112213-20A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2121420	Date of Collection: 12/7/11 2:49:00 PM
Dil. Factor:	20.0	Date of Analysis: 12/14/11 07:44 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	10	Not Detected	26	Not Detected
Chloroethane	40	Not Detected	100	Not Detected
1,1-Dichloroethene	10	Not Detected	40	Not Detected
Freon 113	10	Not Detected	77	Not Detected
Methylene Chloride	10	Not Detected	35	Not Detected
1,1-Dichloroethane	10	Not Detected	40	Not Detected
cis-1,2-Dichloroethene	10	24	40	96
1,1,1-Trichloroethane	10	66	54	360
Trichloroethene	10	3600	54	19000
Tetrachloroethene	10	Not Detected	68	Not Detected
trans-1,2-Dichloroethene	10	Not Detected	40	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN1041D120711

Lab ID#: 1112213-21A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121333	Date of Collection: 12/7/11 1:47:00 PM
Dil. Factor:	1.55	Date of Analysis: 12/13/11 09:30 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
Chloroethane	3.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Freon 113	0.78	Not Detected	5.9	Not Detected
Methylene Chloride	0.78	Not Detected UJ	2.7	Not Detected UJ
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Trichloroethene	0.78	3.6	4.2	19
Tetrachloroethene	0.78	12	5.2	82
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: EN1041S120711

Lab ID#: 1112213-22A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121334	Date of Collection: 12/7/11 2:51:00 PM
Dil. Factor:	1.60	Date of Analysis: 12/13/11 10:06 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	3.2	Not Detected	8.4	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.1	Not Detected
Methylene Chloride	0.80	Not Detected UJ	2.8	Not Detected UJ
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	1.7	4.3	9.4
Tetrachloroethene	0.80	16	5.4	110
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: Lab Blank

Lab ID#: 1112213-23A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	o121212	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/12/11 03:41 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	2.0	Not Detected	5.3	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	99	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: Lab Blank

Lab ID#: 1112213-23B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121313	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/13/11 01:01 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	2.0	Not Detected	5.3	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 UJ	1.7	Not Detected UJ
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

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	107	70-130

Client Sample ID: Lab Blank

Lab ID#: 1112213-23C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2121407	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/14/11 11:30 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	2.0	Not Detected	5.3	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	99	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: CCV

Lab ID#: 1112213-24A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	o121209	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/12/11 01:13 PM

Compound	%Recovery
Vinyl Chloride	111
Chloroethane	107
1,1-Dichloroethene	108
Freon 113	105
Methylene Chloride	103
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	102
1,1,1-Trichloroethane	100
Trichloroethene	101
Tetrachloroethene	101
trans-1,2-Dichloroethene	103

Container Type: NA - Not Applicable

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

Client Sample ID: CCV

Lab ID#: 1112213-24B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121308	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/13/11 10:56 AM

Compound	%Recovery
Vinyl Chloride	76
Chloroethane	75
1,1-Dichloroethene	88
Freon 113	105
Methylene Chloride	68 Q
1,1-Dichloroethane	78
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	103
Trichloroethene	97
Tetrachloroethene	113
trans-1,2-Dichloroethene	82

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	111	70-130

Client Sample ID: CCV

Lab ID#: 1112213-24C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2121403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/14/11 08:47 AM

Compound	%Recovery
Vinyl Chloride	104
Chloroethane	105
1,1-Dichloroethene	111
Freon 113	98
Methylene Chloride	97
1,1-Dichloroethane	95
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	92
Trichloroethene	101
Tetrachloroethene	98
trans-1,2-Dichloroethene	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

Client Sample ID: LCS

Lab ID#: 1112213-25A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	o121210	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/12/11 02:28 PM

Compound	%Recovery
Vinyl Chloride	122
Chloroethane	112
1,1-Dichloroethene	123
Freon 113	112
Methylene Chloride	107
1,1-Dichloroethane	108
cis-1,2-Dichloroethene	107
1,1,1-Trichloroethane	107
Trichloroethene	106
Tetrachloroethene	108
trans-1,2-Dichloroethene	120

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: LCSD

Lab ID#: 1112213-25AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	o121211	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/12/11 03:03 PM

Compound	%Recovery
Vinyl Chloride	121
Chloroethane	112
1,1-Dichloroethene	129
Freon 113	113
Methylene Chloride	105
1,1-Dichloroethane	110
cis-1,2-Dichloroethene	111
1,1,1-Trichloroethane	108
Trichloroethene	109
Tetrachloroethene	107
trans-1,2-Dichloroethene	125

Container Type: NA - Not Applicable

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

Client Sample ID: LCS

Lab ID#: 1112213-25B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121309	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/13/11 11:37 AM

Compound	%Recovery
Vinyl Chloride	87
Chloroethane	83
1,1-Dichloroethene	105
Freon 113	120
Methylene Chloride	74
1,1-Dichloroethane	89
cis-1,2-Dichloroethene	100
1,1,1-Trichloroethane	118
Trichloroethene	111
Tetrachloroethene	126
trans-1,2-Dichloroethene	103

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	109	70-130

Client Sample ID: LCSD

Lab ID#: 1112213-25BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121310	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/13/11 11:55 AM

Compound	%Recovery
Vinyl Chloride	88
Chloroethane	85
1,1-Dichloroethene	107
Freon 113	122
Methylene Chloride	77
1,1-Dichloroethane	91
cis-1,2-Dichloroethene	104
1,1,1-Trichloroethane	120
Trichloroethene	114
Tetrachloroethene	126
trans-1,2-Dichloroethene	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	110	70-130
4-Bromofluorobenzene	112	70-130

Client Sample ID: LCS

Lab ID#: 1112213-25C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2121404	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/14/11 09:33 AM

Compound	%Recovery
Vinyl Chloride	115
Chloroethane	111
1,1-Dichloroethene	124
Freon 113	105
Methylene Chloride	103
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	107
1,1,1-Trichloroethane	102
Trichloroethene	107
Tetrachloroethene	109
trans-1,2-Dichloroethene	118

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

Client Sample ID: LCSD

Lab ID#: 1112213-25CC

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2121405	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/14/11 10:07 AM

Compound	%Recovery
Vinyl Chloride	104
Chloroethane	105
1,1-Dichloroethene	124
Freon 113	103
Methylene Chloride	102
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	108
1,1,1-Trichloroethane	102
Trichloroethene	109
Tetrachloroethene	107
trans-1,2-Dichloroethene	120

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

2/28/2012

Ms. Erica Bradstreet
Sanborn, Head & Associates
1715 W 13th Street

Houston TX 77008

Project Name: Endicott Groundwater Vapor Project
Project #: 3304
Workorder #: 1202399

Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 2/17/2012 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: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1202399

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 1715 W 13th Street Houston, TX 77008	BILL TO:	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	713-869-2259	P.O. #	3304.00
FAX:		PROJECT #	3304 Endicott Groundwater Vapor
DATE RECEIVED:	02/17/2012	CONTACT:	Project Ausha Scott
DATE COMPLETED:	02/28/2012		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	DU1027021412	Modified TO-15	6.0 "Hg	5 psi
01AA	DU1027021412 Lab Duplicate	Modified TO-15	6.0 "Hg	5 psi
02A	DU3337021412	Modified TO-15	4.0 "Hg	5 psi
02AA	DU3337021412 Lab Duplicate	Modified TO-15	4.0 "Hg	5 psi
03A	EB3351021512	Modified TO-15	5.5 "Hg	5 psi
04A	EB3367021412	Modified TO-15	5.0 "Hg	5 psi
05A	EN0411D021412	Modified TO-15	1.5 "Hg	5 psi
06A	EN0422D021412	Modified TO-15	4.5 "Hg	5 psi
07A	EN0422S021412	Modified TO-15	3.5 "Hg	5 psi
08A	EN0426D021412	Modified TO-15	4.5 "Hg	5 psi
09A	EN0429D021412	Modified TO-15	6.0 "Hg	5 psi
10A	EN042D021512	Modified TO-15	5.0 "Hg	5 psi
11A	EN042S021512	Modified TO-15	5.5 "Hg	5 psi
12A	EN0432D021412	Modified TO-15	4.5 "Hg	5 psi
13A	EN0432S021412	Modified TO-15	6.5 "Hg	5 psi
14A	EN045D021512	Modified TO-15	5.0 "Hg	5 psi
15A	EN047D021512	Modified TO-15	6.5 "Hg	5 psi

Continued on next page

WORK ORDER #: 1202399

Work Order Summary

CLIENT: Ms. Erica Bradstreet
Sanborn, Head & Associates
1715 W 13th Street
Houston, TX 77008

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

PHONE: 713-869-2259

P.O. # 3304.00

FAX:

PROJECT # 3304 Endicott Groundwater Vapor

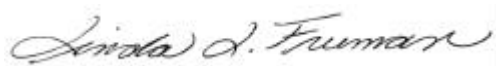
DATE RECEIVED: 02/17/2012

CONTACT: Project
Ausha Scott

DATE COMPLETED: 02/28/2012

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
16A	EN047S021512	Modified TO-15	5.0 "Hg	5 psi
17A	EN049D021412	Modified TO-15	2.5 "Hg	5 psi
17AA	EN049D021412 Lab Duplicate	Modified TO-15	2.5 "Hg	5 psi
18A	EN0534D021412	Modified TO-15	4.0 "Hg	5 psi
19A	EN0534S021412	Modified TO-15	4.5 "Hg	5 psi
20A	EN0728D021412	Modified TO-15	3.5 "Hg	5 psi
21A	EN0728S021412	Modified TO-15	3.5 "Hg	5 psi
22A	EN1041D021412	Modified TO-15	4.0 "Hg	5 psi
23A	EN1041S021412	Modified TO-15	3.5 "Hg	5 psi
24A	Lab Blank	Modified TO-15	NA	NA
24B	Lab Blank	Modified TO-15	NA	NA
25A	CCV	Modified TO-15	NA	NA
25B	CCV	Modified TO-15	NA	NA
26A	LCS	Modified TO-15	NA	NA
26AA	LCSD	Modified TO-15	NA	NA
26B	LCS	Modified TO-15	NA	NA
26BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:



Laboratory Director

DATE: 02/28/12

Certification numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP - CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11, Expiration date: 06/30/12.

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
EPA Method TO-15
Sanborn, Head & Associates
Workorder# 1202399**

Twenty-three 1 Liter Summa Canister (100% Certified) samples were received on February 17, 2012. The laboratory performed analysis via 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.

Receiving Notes

According to the Chain of Custody (COC), samples were collected on 12/14/11 and 12/15/11. However, the dates on the sample tags reflect collection dates of 2/14/12 and 2/15/12. Therefore the dates on the sample tags were used to calculate the sample holding time.

Analytical Notes

Dilution was performed on samples EN047D021512, EN049D021412, and EN0728D021412 due to the presence of high level target species.

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 and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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

Client Sample ID: DU1027021412

Lab ID#: 1202399-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.84	8.9	4.6	49
Trichloroethene	0.84	150	4.5	800

Client Sample ID: DU1027021412 Lab Duplicate

Lab ID#: 1202399-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	1.4	9.0	7.5	49
Trichloroethene	1.4	140	7.4	750

Client Sample ID: DU3337021412

Lab ID#: 1202399-02A

No Detections Were Found.

Client Sample ID: DU3337021412 Lab Duplicate

Lab ID#: 1202399-02AA

No Detections Were Found.

Client Sample ID: EB3351021512

Lab ID#: 1202399-03A

No Detections Were Found.

Client Sample ID: EB3367021412

Lab ID#: 1202399-04A

No Detections Were Found.

Client Sample ID: EN0411D021412

Lab ID#: 1202399-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
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Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0411D021412

Lab ID#: 1202399-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.70	1.2	2.8	4.7
1,1,1-Trichloroethane	0.70	6.7	3.8	37
Trichloroethene	0.70	190	3.8	1000
Tetrachloroethene	0.70	5.0	4.8	34

Client Sample ID: EN0422D021412

Lab ID#: 1202399-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.79	31	3.1	120
1,1,1-Trichloroethane	0.79	5.5	4.3	30
Trichloroethene	0.79	46	4.2	240
trans-1,2-Dichloroethene	0.79	5.5	3.1	22

Client Sample ID: EN0422S021412

Lab ID#: 1202399-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.76	11	3.0	42
1,1,1-Trichloroethane	0.76	3.0	4.1	16
Trichloroethene	0.76	19	4.1	100
trans-1,2-Dichloroethene	0.76	2.1	3.0	8.4

Client Sample ID: EN0426D021412

Lab ID#: 1202399-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.79	0.81	6.0	6.2
1,1,1-Trichloroethane	0.79	8.0	4.3	44
Trichloroethene	0.79	140	4.2	760
Tetrachloroethene	0.79	0.94	5.4	6.4

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

Client Sample ID: EN0429D021412

Lab ID#: 1202399-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.84	9.4	4.6	51
Trichloroethene	0.84	150	4.5	790

Client Sample ID: EN042D021512

Lab ID#: 1202399-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.80	2.0	4.4	11
Trichloroethene	0.80	18	4.3	94
Tetrachloroethene	0.80	2.7	5.5	18

Client Sample ID: EN042S021512

Lab ID#: 1202399-11A

No Detections Were Found.

Client Sample ID: EN0432D021412

Lab ID#: 1202399-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.79	2.0	6.0	16
1,1-Dichloroethane	0.79	0.79	3.2	3.2
1,1,1-Trichloroethane	0.79	4.2	4.3	23
Trichloroethene	0.79	180	4.2	940
Tetrachloroethene	0.79	4.1	5.4	28

Client Sample ID: EN0432S021412

Lab ID#: 1202399-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.86	1.1	4.7	6.0
Trichloroethene	0.86	22	4.6	120

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

Client Sample ID: EN045D021512

Lab ID#: 1202399-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.80	14	4.4	75
Trichloroethene	0.80	74	4.3	400

Client Sample ID: EN047D021512

Lab ID#: 1202399-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	3.4	5.3	13	21
1,1,1-Trichloroethane	3.4	33	18	180
Trichloroethene	3.4	680	18	3700

Client Sample ID: EN047S021512

Lab ID#: 1202399-16A

No Detections Were Found.

Client Sample ID: EN049D021412

Lab ID#: 1202399-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	6.1	23	24	93
1,1-Dichloroethane	6.1	32	25	130
cis-1,2-Dichloroethene	6.1	120	24	460
1,1,1-Trichloroethane	6.1	110	33	620
Trichloroethene	6.1	1300	33	7000
Tetrachloroethene	6.1	80	41	540

Client Sample ID: EN049D021412 Lab Duplicate

Lab ID#: 1202399-17AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	6.1	30	24	120

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

Client Sample ID: EN049D021412 Lab Duplicate

Lab ID#: 1202399-17AA

1,1-Dichloroethane	6.1	31	25	120
cis-1,2-Dichloroethene	6.1	130	24	500
1,1,1-Trichloroethane	6.1	120	33	640
Trichloroethene	6.1	1400	33	7500
Tetrachloroethene	6.1	85	41	580

Client Sample ID: EN0534D021412

Lab ID#: 1202399-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.78	1.9	4.2	10
Trichloroethene	0.78	21	4.2	110
Tetrachloroethene	0.78	2.2	5.2	15

Client Sample ID: EN0534S021412

Lab ID#: 1202399-19A

No Detections Were Found.

Client Sample ID: EN0728D021412

Lab ID#: 1202399-20A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	2.5	11	10	46
Trichloroethene	2.5	45	14	240
Tetrachloroethene	2.5	510	17	3500

Client Sample ID: EN0728S021412

Lab ID#: 1202399-21A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.76	2.7	4.1	15
Tetrachloroethene	0.76	9.4	5.2	64

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

Client Sample ID: EN1041D021412

Lab ID#: 1202399-22A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.78	0.83	4.2	4.5
Tetrachloroethene	0.78	2.0	5.2	14

Client Sample ID: EN1041S021412

Lab ID#: 1202399-23A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.76	0.98	4.1	5.3
Tetrachloroethene	0.76	8.2	5.2	55

Client Sample ID: DU1027021412

Lab ID#: 1202399-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022107	Date of Collection: 2/14/12 1:16:00 PM
Dil. Factor:	1.68	Date of Analysis: 2/21/12 02:10 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	3.4	Not Detected	8.9	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	8.4	Not Detected	29	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	8.9	4.6	49
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	104	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: DU1027021412 Lab Duplicate

Lab ID#: 1202399-01AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022118	Date of Collection: 2/14/12 1:16:00 PM
Dil. Factor:	2.76	Date of Analysis: 2/21/12 09:02 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.4	Not Detected	3.5	Not Detected
Chloroethane	5.5	Not Detected	14	Not Detected
1,1-Dichloroethene	1.4	Not Detected	5.5	Not Detected
Freon 113	1.4	Not Detected	10	Not Detected
Methylene Chloride	14	Not Detected	48	Not Detected
1,1-Dichloroethane	1.4	Not Detected	5.6	Not Detected
cis-1,2-Dichloroethene	1.4	Not Detected	5.5	Not Detected
1,1,1-Trichloroethane	1.4	9.0	7.5	49
Trichloroethene	1.4	140	7.4	750
Tetrachloroethene	1.4	Not Detected	9.4	Not Detected
trans-1,2-Dichloroethene	1.4	Not Detected	5.5	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: DU3337021412

Lab ID#: 1202399-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022108	Date of Collection: 2/14/12 10:28:00 AM
Dil. Factor:	1.55	Date of Analysis: 2/21/12 02:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
Chloroethane	3.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Freon 113	0.78	Not Detected	5.9	Not Detected
Methylene Chloride	7.8	Not Detected	27	Not Detected
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Trichloroethene	0.78	Not Detected	4.2	Not Detected
Tetrachloroethene	0.78	Not Detected	5.2	Not Detected
trans-1,2-Dichloroethene	0.78	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	97	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: DU3337021412 Lab Duplicate

Lab ID#: 1202399-02AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022119	Date of Collection: 2/14/12 10:28:00 AM
Dil. Factor:	2.60	Date of Analysis: 2/21/12 09:39 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	5.2	Not Detected	14	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Freon 113	1.3	Not Detected	10	Not Detected
Methylene Chloride	13	Not Detected	45	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.3	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.1	Not Detected
Trichloroethene	1.3	Not Detected	7.0	Not Detected
Tetrachloroethene	1.3	Not Detected	8.8	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: EB3351021512

Lab ID#: 1202399-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022109	Date of Collection: 2/15/12 5:50:00 PM
Dil. Factor:	1.64	Date of Analysis: 2/21/12 03:24 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	3.3	Not Detected	8.6	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	8.2	Not Detected	28	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	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: EB3367021412

Lab ID#: 1202399-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022110	Date of Collection: 2/14/12 4:36:00 PM
Dil. Factor:	1.61	Date of Analysis: 2/21/12 04:02 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	3.2	Not Detected	8.5	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	8.0	Not Detected	28	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	Not Detected	4.3	Not Detected
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	104	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: EN0411D021412

Lab ID#: 1202399-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022111	Date of Collection: 2/14/12 1:05:00 PM
Dil. Factor:	1.41	Date of Analysis: 2/21/12 04:40 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	2.8	Not Detected	7.4	Not Detected
1,1-Dichloroethene	0.70	Not Detected	2.8	Not Detected
Freon 113	0.70	Not Detected	5.4	Not Detected
Methylene Chloride	7.0	Not Detected	24	Not Detected
1,1-Dichloroethane	0.70	Not Detected	2.8	Not Detected
cis-1,2-Dichloroethene	0.70	1.2	2.8	4.7
1,1,1-Trichloroethane	0.70	6.7	3.8	37
Trichloroethene	0.70	190	3.8	1000
Tetrachloroethene	0.70	5.0	4.8	34
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	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN0422D021412

Lab ID#: 1202399-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022112	Date of Collection: 2/14/12 3:10:00 PM
Dil. Factor:	1.58	Date of Analysis: 2/21/12 05:18 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	3.2	Not Detected	8.3	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	7.9	Not Detected	27	Not Detected
1,1-Dichloroethane	0.79	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.79	31	3.1	120
1,1,1-Trichloroethane	0.79	5.5	4.3	30
Trichloroethene	0.79	46	4.2	240
Tetrachloroethene	0.79	Not Detected	5.4	Not Detected
trans-1,2-Dichloroethene	0.79	5.5	3.1	22

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	95	70-130

Client Sample ID: EN0422S021412

Lab ID#: 1202399-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022113	Date of Collection: 2/14/12 2:56:00 PM
Dil. Factor:	1.52	Date of Analysis: 2/21/12 05:55 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	3.0	Not Detected	8.0	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	7.6	Not Detected	26	Not Detected
1,1-Dichloroethane	0.76	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	0.76	11	3.0	42
1,1,1-Trichloroethane	0.76	3.0	4.1	16
Trichloroethene	0.76	19	4.1	100
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
trans-1,2-Dichloroethene	0.76	2.1	3.0	8.4

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN0426D021412

Lab ID#: 1202399-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022114	Date of Collection: 2/14/12 9:13:00 AM
Dil. Factor:	1.58	Date of Analysis: 2/21/12 06:32 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	3.2	Not Detected	8.3	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Freon 113	0.79	0.81	6.0	6.2
Methylene Chloride	7.9	Not Detected	27	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	8.0	4.3	44
Trichloroethene	0.79	140	4.2	760
Tetrachloroethene	0.79	0.94	5.4	6.4
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	106	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN0429D021412

Lab ID#: 1202399-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022115	Date of Collection: 2/14/12 1:16:00 PM
Dil. Factor:	1.68	Date of Analysis: 2/21/12 07:10 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	3.4	Not Detected	8.9	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	8.4	Not Detected	29	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	9.4	4.6	51
Trichloroethene	0.84	150	4.5	790
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	105	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN042D021512

Lab ID#: 1202399-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022116	Date of Collection: 2/15/12 10:39:00 AM
Dil. Factor:	1.61	Date of Analysis: 2/21/12 07:47 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	3.2	Not Detected	8.5	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	8.0	Not Detected	28	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	2.0	4.4	11
Trichloroethene	0.80	18	4.3	94
Tetrachloroethene	0.80	2.7	5.5	18
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	103	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN042S021512

Lab ID#: 1202399-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022117	Date of Collection: 2/15/12 10:34:00 AM
Dil. Factor:	1.64	Date of Analysis: 2/21/12 08:25 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	3.3	Not Detected	8.6	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	8.2	Not Detected	28	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	102	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN0432D021412

Lab ID#: 1202399-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022207	Date of Collection: 2/14/12 3:33:00 PM
Dil. Factor:	1.58	Date of Analysis: 2/22/12 11:54 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	3.2	Not Detected	8.3	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Freon 113	0.79	2.0	6.0	16
Methylene Chloride	7.9	Not Detected	27	Not Detected
1,1-Dichloroethane	0.79	0.79	3.2	3.2
cis-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.79	4.2	4.3	23
Trichloroethene	0.79	180	4.2	940
Tetrachloroethene	0.79	4.1	5.4	28
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	115	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: EN0432S021412

Lab ID#: 1202399-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022208	Date of Collection: 2/14/12 3:25:00 PM
Dil. Factor:	1.71	Date of Analysis: 2/22/12 12:32 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	3.4	Not Detected	9.0	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	8.6	Not Detected	30	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	1.1	4.7	6.0
Trichloroethene	0.86	22	4.6	120
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	94	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN045D021512

Lab ID#: 1202399-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022211	Date of Collection: 2/15/12 12:30:00 PM
Dil. Factor:	1.61	Date of Analysis: 2/22/12 02:24 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	3.2	Not Detected	8.5	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	8.0	Not Detected	28	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	14	4.4	75
Trichloroethene	0.80	74	4.3	400
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	105	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN047D021512

Lab ID#: 1202399-15A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022219	Date of Collection: 2/15/12 1:25:00 PM
Dil. Factor:	6.75	Date of Analysis: 2/22/12 07:24 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	14	Not Detected	36	Not Detected
1,1-Dichloroethene	3.4	Not Detected	13	Not Detected
Freon 113	3.4	Not Detected	26	Not Detected
Methylene Chloride	34	Not Detected	120	Not Detected
1,1-Dichloroethane	3.4	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	3.4	5.3	13	21
1,1,1-Trichloroethane	3.4	33	18	180
Trichloroethene	3.4	680	18	3700
Tetrachloroethene	3.4	Not Detected	23	Not Detected
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	103	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN047S021512

Lab ID#: 1202399-16A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022212	Date of Collection: 2/15/12 12:15:00 PM
Dil. Factor:	1.61	Date of Analysis: 2/22/12 03:02 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	3.2	Not Detected	8.5	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	8.0	Not Detected	28	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	Not Detected	4.3	Not Detected
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	103	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN049D021412

Lab ID#: 1202399-17A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022209	Date of Collection: 2/14/12 12:34:00 PM
Dil. Factor:	12.2	Date of Analysis: 2/22/12 01:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	6.1	Not Detected	16	Not Detected
Chloroethane	24	Not Detected	64	Not Detected
1,1-Dichloroethene	6.1	23	24	93
Freon 113	6.1	Not Detected	47	Not Detected
Methylene Chloride	61	Not Detected	210	Not Detected
1,1-Dichloroethane	6.1	32	25	130
cis-1,2-Dichloroethene	6.1	120	24	460
1,1,1-Trichloroethane	6.1	110	33	620
Trichloroethene	6.1	1300	33	7000
Tetrachloroethene	6.1	80	41	540
trans-1,2-Dichloroethene	6.1	Not Detected	24	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN049D021412 Lab Duplicate

Lab ID#: 1202399-17AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022210	Date of Collection: 2/14/12 12:34:00 PM
Dil. Factor:	12.2	Date of Analysis: 2/22/12 01:46 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	6.1	Not Detected	16	Not Detected
Chloroethane	24	Not Detected	64	Not Detected
1,1-Dichloroethene	6.1	30	24	120
Freon 113	6.1	Not Detected	47	Not Detected
Methylene Chloride	61	Not Detected	210	Not Detected
1,1-Dichloroethane	6.1	31	25	120
cis-1,2-Dichloroethene	6.1	130	24	500
1,1,1-Trichloroethane	6.1	120	33	640
Trichloroethene	6.1	1400	33	7500
Tetrachloroethene	6.1	85	41	580
trans-1,2-Dichloroethene	6.1	Not Detected	24	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN0534D021412

Lab ID#: 1202399-18A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022213	Date of Collection: 2/14/12 8:58:00 AM
Dil. Factor:	1.55	Date of Analysis: 2/22/12 03:39 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
Chloroethane	3.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Freon 113	0.78	Not Detected	5.9	Not Detected
Methylene Chloride	7.8	Not Detected	27	Not Detected
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.78	1.9	4.2	10
Trichloroethene	0.78	21	4.2	110
Tetrachloroethene	0.78	2.2	5.2	15
trans-1,2-Dichloroethene	0.78	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	96	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN0534S021412

Lab ID#: 1202399-19A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022214	Date of Collection: 2/14/12 10:28:00 AM
Dil. Factor:	1.58	Date of Analysis: 2/22/12 04:17 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	3.2	Not Detected	8.3	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	7.9	Not Detected	27	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	105	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN0728D021412

Lab ID#: 1202399-20A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022218	Date of Collection: 2/14/12 12:24:00 PM
Dil. Factor:	5.07	Date of Analysis: 2/22/12 06:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.5	Not Detected	6.5	Not Detected
Chloroethane	10	Not Detected	27	Not Detected
1,1-Dichloroethene	2.5	Not Detected	10	Not Detected
Freon 113	2.5	Not Detected	19	Not Detected
Methylene Chloride	25	Not Detected	88	Not Detected
1,1-Dichloroethane	2.5	Not Detected	10	Not Detected
cis-1,2-Dichloroethene	2.5	11	10	46
1,1,1-Trichloroethane	2.5	Not Detected	14	Not Detected
Trichloroethene	2.5	45	14	240
Tetrachloroethene	2.5	510	17	3500
trans-1,2-Dichloroethene	2.5	Not Detected	10	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	97	70-130

Client Sample ID: EN0728S021412

Lab ID#: 1202399-21A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022215	Date of Collection: 2/14/12 12:17:00 PM
Dil. Factor:	1.52	Date of Analysis: 2/22/12 04:54 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	3.0	Not Detected	8.0	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	7.6	Not Detected	26	Not Detected
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	2.7	4.1	15
Tetrachloroethene	0.76	9.4	5.2	64
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	107	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: EN1041D021412

Lab ID#: 1202399-22A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022216	Date of Collection: 2/14/12 11:28:00 AM
Dil. Factor:	1.55	Date of Analysis: 2/22/12 05:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
Chloroethane	3.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Freon 113	0.78	Not Detected	5.9	Not Detected
Methylene Chloride	7.8	Not Detected	27	Not Detected
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Trichloroethene	0.78	0.83	4.2	4.5
Tetrachloroethene	0.78	2.0	5.2	14
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN1041S021412

Lab ID#: 1202399-23A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022217	Date of Collection: 2/14/12 11:27:00 AM
Dil. Factor:	1.52	Date of Analysis: 2/22/12 06:09 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	3.0	Not Detected	8.0	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	7.6	Not Detected	26	Not Detected
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	0.98	4.1	5.3
Tetrachloroethene	0.76	8.2	5.2	55
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	103	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: Lab Blank

Lab ID#: 1202399-24A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022106	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/21/12 01:28 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	2.0	Not Detected	5.3	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	5.0	Not Detected	17	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	91	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: Lab Blank

Lab ID#: 1202399-24B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022206	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/22/12 11:17 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	2.0	Not Detected	5.3	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	5.0	Not Detected	17	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	101	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: CCV

Lab ID#: 1202399-25A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022102	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/21/12 10:58 AM

Compound	%Recovery
Vinyl Chloride	98
Chloroethane	98
1,1-Dichloroethene	98
Freon 113	100
Methylene Chloride	102
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	94
1,1,1-Trichloroethane	97
Trichloroethene	99
Tetrachloroethene	99
trans-1,2-Dichloroethene	95

Container Type: NA - Not Applicable

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

Client Sample ID: CCV

Lab ID#: 1202399-25B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022202	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/22/12 08:47 AM

Compound	%Recovery
Vinyl Chloride	94
Chloroethane	94
1,1-Dichloroethene	96
Freon 113	98
Methylene Chloride	99
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	98
Trichloroethene	97
Tetrachloroethene	99
trans-1,2-Dichloroethene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: LCS

Lab ID#: 1202399-26A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/21/12 11:35 AM

Compound	%Recovery
Vinyl Chloride	105
Chloroethane	104
1,1-Dichloroethene	110
Freon 113	106
Methylene Chloride	105
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	97
1,1,1-Trichloroethane	102
Trichloroethene	106
Tetrachloroethene	99
trans-1,2-Dichloroethene	112

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: LCSD

Lab ID#: 1202399-26AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/21/12 12:13 PM

Compound	%Recovery
Vinyl Chloride	104
Chloroethane	102
1,1-Dichloroethene	108
Freon 113	104
Methylene Chloride	102
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	97
1,1,1-Trichloroethane	101
Trichloroethene	101
Tetrachloroethene	99
trans-1,2-Dichloroethene	110

Container Type: NA - Not Applicable

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

Client Sample ID: LCS

Lab ID#: 1202399-26B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022203	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/22/12 09:24 AM

Compound	%Recovery
Vinyl Chloride	101
Chloroethane	100
1,1-Dichloroethene	109
Freon 113	106
Methylene Chloride	106
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	103
Trichloroethene	106
Tetrachloroethene	103
trans-1,2-Dichloroethene	112

Container Type: NA - Not Applicable

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

Client Sample ID: LCSD

Lab ID#: 1202399-26BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022204	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/22/12 10:02 AM

Compound	%Recovery
Vinyl Chloride	101
Chloroethane	98
1,1-Dichloroethene	113
Freon 113	107
Methylene Chloride	105
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	99
1,1,1-Trichloroethane	101
Trichloroethene	105
Tetrachloroethene	101
trans-1,2-Dichloroethene	111

Container Type: NA - Not Applicable

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

3/1/2012

Ms. Erica Bradstreet
Sanborn, Head & Associates
1715 W 13th Street

Houston TX 77008

Project Name: Endicott Groundwater Vapor Project
Project #: 3304
Workorder #: 1202393

Dear Ms. Erica Bradstreet

The following report includes the data for the above referenced project for sample(s) received on 2/17/2012 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: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1202393

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 1715 W 13th Street Houston, TX 77008	BILL TO:	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	713-869-2259	P.O. #	3304.00
FAX:		PROJECT #	3304 Endicott Groundwater Vapor
DATE RECEIVED:	02/17/2012	CONTACT:	Project Ausha Scott
DATE COMPLETED:	03/01/2012		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	DU3345021512	Modified TO-15	5.5 "Hg	5 psi
01AA	DU3345021512 Lab Duplicate	Modified TO-15	5.5 "Hg	5 psi
02A	EN0410D021512	Modified TO-15	4.0 "Hg	5 psi
03A	EN0412S021512	Modified TO-15	4.5 "Hg	5 psi
04A	EN0414D021612	Modified TO-15	4.5 "Hg	5 psi
05A	EN0417D021612	Modified TO-15	4.5 "Hg	5 psi
06A	EN041S021512	Modified TO-15	1.5 "Hg	5 psi
07A	EN0430D021612	Modified TO-15	4.0 "Hg	5 psi
08A	EN0430S021612	Modified TO-15	2.5 "Hg	5 psi
09A	EN045S021512	Modified TO-15	4.0 "Hg	5 psi
10A	EN0533D021512	Modified TO-15	5.5 "Hg	5 psi
11A	EN0533S021512	Modified TO-15	5.5 "Hg	5 psi
12A	EN1017D021612	Modified TO-15	5.5 "Hg	5 psi
13A	DU3363021512	Modified TO-15	7.0 "Hg	5 psi
14A	EB3326021612	Modified TO-15	5.0 "Hg	5 psi
15A	EN0410S021512	Modified TO-15	4.0 "Hg	5 psi
15AA	EN0410S021512 Lab Duplicate	Modified TO-15	4.0 "Hg	5 psi

Continued on next page

WORK ORDER #: 1202393

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 1715 W 13th Street Houston, TX 77008	BILL TO:	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	713-869-2259	P.O. #	3304.00
FAX:		PROJECT #	3304 Endicott Groundwater Vapor
DATE RECEIVED:	02/17/2012	CONTACT:	Project Ausha Scott
DATE COMPLETED:	03/01/2012		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
16A	EN0411S021412	Modified TO-15	2.5 "Hg	5 psi
17A	EN0412D021512	Modified TO-15	3.5 "Hg	5 psi
18A	EN0413D021512	Modified TO-15	6.0 "Hg	5 psi
19A	EN0413S021512	Modified TO-15	5.5 "Hg	5 psi
20A	EN0414S021612	Modified TO-15	5.0 "Hg	5 psi
21A	EN0417S021612	Modified TO-15	4.0 "Hg	5 psi
22A	EN041D021512	Modified TO-15	3.5 "Hg	5 psi
23A	EN0426S021412	Modified TO-15	4.5 "Hg	5 psi
24A	EN0427S021412	Modified TO-15	5.5 "Hg	5 psi
25A	EN049S021412	Modified TO-15	3.0 "Hg	5 psi
26A	EN0529S021412	Modified TO-15	5.0 "Hg	5 psi
27A	Lab Blank	Modified TO-15	NA	NA
27B	Lab Blank	Modified TO-15	NA	NA
27C	Lab Blank	Modified TO-15	NA	NA
27D	Lab Blank	Modified TO-15	NA	NA
28A	CCV	Modified TO-15	NA	NA
28B	CCV	Modified TO-15	NA	NA
28C	CCV	Modified TO-15	NA	NA
28D	CCV	Modified TO-15	NA	NA
29A	LCS	Modified TO-15	NA	NA

Continued on next page

WORK ORDER #: 1202393

Work Order Summary

CLIENT:	Ms. Erica Bradstreet Sanborn, Head & Associates 1715 W 13th Street Houston, TX 77008	BILL TO:	Accounts Payable Sanborn, Head & Associates 20 Foundry Street Concord, NH 03301
PHONE:	713-869-2259	P.O. #	3304.00
FAX:		PROJECT #	3304 Endicott Groundwater Vapor
DATE RECEIVED:	02/17/2012	CONTACT:	Project Ausha Scott
DATE COMPLETED:	03/01/2012		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
29AA	LCSD	Modified TO-15	NA	NA
29B	LCS	Modified TO-15	NA	NA
29BB	LCSD	Modified TO-15	NA	NA
29C	LCS	Modified TO-15	NA	NA
29CC	LCSD	Modified TO-15	NA	NA
29D	LCS	Modified TO-15	NA	NA
29DD	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:



Laboratory Director

DATE: 03/01/12

Certification numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.

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
EPA Method TO-15
Sanborn, Head & Associates
Workorder# 1202393**

Twenty-six 1 Liter Summa Canister (100% Certified) samples were received on February 17, 2012. The laboratory performed analysis via 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.

Receiving Notes

According to the Chain of Custody (COC), samples were collected on 12/14/11, 12/15/11, and 12/16/11. However, the dates on the sample tags reflect collection dates of 2/14/12, 2/15/12, and 2/16/12. Therefore the dates on the sample tags were used to calculate the sample holding time.

Analytical Notes

Dilution was performed on samples DU3345021512, EN0410D021512, EN0533D021512, EN1017D021612, DU3363021512, and EN0414S021512 due to the presence of high level target species.

The Relative Percent Difference (RPD) of the LCS/LCSD performed on 2/22/12 on instrument MSD-6 exceeded acceptance limits for Chloroethane.

The RPD of duplicate samples DU3345021512 and DU3345021512 Lab Duplicate exceeded acceptance limits for Methylene Chloride.

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 and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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

Client Sample ID: DU3345021512

Lab ID#: 1202393-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	3.4	3.8	14	15
Methylene Chloride	34	37	120	130
cis-1,2-Dichloroethene	3.4	4.6	14	18
1,1,1-Trichloroethane	3.4	35	19	190
Trichloroethene	3.4	750	18	4000
Tetrachloroethene	3.4	33	23	220

Client Sample ID: DU3345021512 Lab Duplicate

Lab ID#: 1202393-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	3.4	4.0	14	16
Methylene Chloride	34	52	120	180
cis-1,2-Dichloroethene	3.4	4.7	14	18
1,1,1-Trichloroethane	3.4	33	19	180
Trichloroethene	3.4	750	18	4000
Tetrachloroethene	3.4	33	23	230

Client Sample ID: EN0410D021512

Lab ID#: 1202393-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	19	59	50	150
1,1-Dichloroethene	19	190	77	740
Methylene Chloride	190	460	670	1600
1,1-Dichloroethane	19	210	78	860
cis-1,2-Dichloroethene	19	1100	77	4300
1,1,1-Trichloroethane	19	770	100	4200
Trichloroethene	19	4000	100	21000
Tetrachloroethene	19	51	130	350

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

Client Sample ID: EN0412S021512

Lab ID#: 1202393-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.79	1.6	4.3	8.8
Trichloroethene	0.79	35	4.2	190

Client Sample ID: EN0414D021612

Lab ID#: 1202393-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	0.79	1.4	3.1	5.6
1,1,1-Trichloroethane	0.79	2.1	4.3	11
Trichloroethene	0.79	110	4.2	600

Client Sample ID: EN0417D021612

Lab ID#: 1202393-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	7.9	10	27	35
Trichloroethene	0.79	1.0	4.2	5.5

Client Sample ID: EN041S021512

Lab ID#: 1202393-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	7.0	7.4	24	26
Trichloroethene	0.70	0.76	3.8	4.1

Client Sample ID: EN0430D021612

Lab ID#: 1202393-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	0.78	2.2	3.1	8.6
Freon 113	0.78	2.2	5.9	17

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

Client Sample ID: EN0430D021612

Lab ID#: 1202393-07A

Methylene Chloride	7.8	8.6	27	30
1,1-Dichloroethane	0.78	7.3	3.1	30
cis-1,2-Dichloroethene	0.78	1.4	3.1	5.4
1,1,1-Trichloroethane	0.78	19	4.2	100
Trichloroethene	0.78	140	4.2	760
Tetrachloroethene	0.78	4.9	5.2	33

Client Sample ID: EN0430S021612

Lab ID#: 1202393-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	7.3	12	25	40
1,1,1-Trichloroethane	0.73	0.83	4.0	4.5
Trichloroethene	0.73	51	3.9	270

Client Sample ID: EN045S021512

Lab ID#: 1202393-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	7.8	23	27	81
1,1,1-Trichloroethane	0.78	1.0	4.2	5.5
Trichloroethene	0.78	11	4.2	59

Client Sample ID: EN0533D021512

Lab ID#: 1202393-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	3.4	6.3	14	25
cis-1,2-Dichloroethene	3.4	4.3	14	17
1,1,1-Trichloroethane	3.4	28	19	160
Trichloroethene	3.4	750	18	4000
Tetrachloroethene	3.4	32	23	220

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

Client Sample ID: EN0533S021512

Lab ID#: 1202393-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.82	2.2	4.4	12

Client Sample ID: EN1017D021612

Lab ID#: 1202393-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	5.1	14	20	55
Methylene Chloride	51	96	180	330
cis-1,2-Dichloroethene	5.1	24	20	93
1,1,1-Trichloroethane	5.1	43	28	240
Trichloroethene	5.1	1200	27	6700

Client Sample ID: DU3363021512

Lab ID#: 1202393-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	3.4	6.0	13	24
1,1,1-Trichloroethane	3.4	32	18	170
Trichloroethene	3.4	710	18	3800

Client Sample ID: EB3326021612

Lab ID#: 1202393-14A

No Detections Were Found.

Client Sample ID: EN0410S021512

Lab ID#: 1202393-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	9.7	120	38	460
1,1-Dichloroethane	9.7	180	39	750
cis-1,2-Dichloroethene	9.7	520	38	2100

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

Client Sample ID: EN0410S021512

Lab ID#: 1202393-15A

1,1,1-Trichloroethane	9.7	410	53	2200
Trichloroethene	9.7	2300	52	12000
Tetrachloroethene	9.7	18	66	120

Client Sample ID: EN0410S021512 Lab Duplicate

Lab ID#: 1202393-15AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	9.7	13	25	34
1,1-Dichloroethene	9.7	110	38	430
1,1-Dichloroethane	9.7	180	39	720
cis-1,2-Dichloroethene	9.7	530	38	2100
1,1,1-Trichloroethane	9.7	400	53	2200
Trichloroethene	9.7	2300	52	12000
Tetrachloroethene	9.7	18	66	120

Client Sample ID: EN0411S021412

Lab ID#: 1202393-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.73	7.5	3.9	40

Client Sample ID: EN0412D021512

Lab ID#: 1202393-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.76	1.1	4.1	6.2
Trichloroethene	0.76	32	4.1	170

Client Sample ID: EN0413D021512

Lab ID#: 1202393-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
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Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EN0413D021512

Lab ID#: 1202393-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.84	1.7	4.6	9.4
Trichloroethene	0.84	23	4.5	120
Tetrachloroethene	0.84	10	5.7	71

Client Sample ID: EN0413S021512

Lab ID#: 1202393-19A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	0.82	3.8	3.2	15
1,1,1-Trichloroethane	0.82	15	4.5	83
Trichloroethene	0.82	78	4.4	420

Client Sample ID: EN0414S021612

Lab ID#: 1202393-20A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.3	1.8	7.2	9.6

Client Sample ID: EN0417S021612

Lab ID#: 1202393-21A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.78	11	4.2	58

Client Sample ID: EN041D021512

Lab ID#: 1202393-22A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	0.76	2.0	3.0	7.8
1,1,1-Trichloroethane	0.76	9.7	4.1	53
Trichloroethene	0.76	22	4.1	120

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

Client Sample ID: EN0426S021412

Lab ID#: 1202393-23A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.79	3.5	4.3	19
Trichloroethene	0.79	39	4.2	210

Client Sample ID: EN0427S021412

Lab ID#: 1202393-24A

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	14	4.4	73
Tetrachloroethene	0.82	2.6	5.6	18

Client Sample ID: EN049S021412

Lab ID#: 1202393-25A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethane	0.74	0.90	3.0	3.6
cis-1,2-Dichloroethene	0.74	1.0	3.0	3.9
1,1,1-Trichloroethane	0.74	8.1	4.1	44
Trichloroethene	0.74	130	4.0	690
Tetrachloroethene	0.74	3.0	5.0	20

Client Sample ID: EN0529S021412

Lab ID#: 1202393-26A

No Detections Were Found.

Client Sample ID: DU3345021512

Lab ID#: 1202393-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022216	Date of Collection: 2/15/12 4:42:00 PM
Dil. Factor:	6.83	Date of Analysis: 2/22/12 07:54 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.4	Not Detected	8.7	Not Detected
Chloroethane	14	Not Detected	36	Not Detected
1,1-Dichloroethene	3.4	3.8	14	15
Freon 113	3.4	Not Detected	26	Not Detected
Methylene Chloride	34	37	120	130
1,1-Dichloroethane	3.4	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	3.4	4.6	14	18
1,1,1-Trichloroethane	3.4	35	19	190
Trichloroethene	3.4	750	18	4000
Tetrachloroethene	3.4	33	23	220
trans-1,2-Dichloroethene	3.4	Not Detected	14	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: DU3345021512 Lab Duplicate

Lab ID#: 1202393-01AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022217	Date of Collection: 2/15/12 4:42:00 PM
Dil. Factor:	6.83	Date of Analysis: 2/22/12 08:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.4	Not Detected	8.7	Not Detected
Chloroethane	14	Not Detected	36	Not Detected
1,1-Dichloroethene	3.4	4.0	14	16
Freon 113	3.4	Not Detected	26	Not Detected
Methylene Chloride	34	52	120	180
1,1-Dichloroethane	3.4	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	3.4	4.7	14	18
1,1,1-Trichloroethane	3.4	33	19	180
Trichloroethene	3.4	750	18	4000
Tetrachloroethene	3.4	33	23	230
trans-1,2-Dichloroethene	3.4	Not Detected	14	Not Detected

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

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

Client Sample ID: EN0410D021512

Lab ID#: 1202393-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022218	Date of Collection: 2/15/12 9:02:00 AM
Dil. Factor:	38.8	Date of Analysis: 2/22/12 09:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	19	59	50	150
Chloroethane	78	Not Detected	200	Not Detected
1,1-Dichloroethene	19	190	77	740
Freon 113	19	Not Detected	150	Not Detected
Methylene Chloride	190	460	670	1600
1,1-Dichloroethane	19	210	78	860
cis-1,2-Dichloroethene	19	1100	77	4300
1,1,1-Trichloroethane	19	770	100	4200
Trichloroethene	19	4000	100	21000
Tetrachloroethene	19	51	130	350
trans-1,2-Dichloroethene	19	Not Detected	77	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: EN0412S021512

Lab ID#: 1202393-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022219	Date of Collection: 2/15/12 11:15:00 AM
Dil. Factor:	1.58	Date of Analysis: 2/22/12 09:47 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	3.2	Not Detected	8.3	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	7.9	Not Detected	27	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	1.6	4.3	8.8
Trichloroethene	0.79	35	4.2	190
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	98	70-130
Toluene-d8	88	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: EN0414D021612

Lab ID#: 1202393-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022220	Date of Collection: 2/16/12 9:03:00 AM
Dil. Factor:	1.58	Date of Analysis: 2/22/12 10:25 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	3.2	Not Detected	8.3	Not Detected
1,1-Dichloroethene	0.79	1.4	3.1	5.6
Freon 113	0.79	Not Detected	6.0	Not Detected
Methylene Chloride	7.9	Not Detected	27	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	2.1	4.3	11
Trichloroethene	0.79	110	4.2	600
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	78	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: EN0417D021612

Lab ID#: 1202393-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022221	Date of Collection: 2/16/12 8:45:00 AM
Dil. Factor:	1.58	Date of Analysis: 2/22/12 11:03 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	3.2	Not Detected	8.3	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	7.9	10	27	35
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	1.0	4.2	5.5
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	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	112	70-130

Client Sample ID: EN041S021512

Lab ID#: 1202393-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022222	Date of Collection: 2/15/12 8:59:00 AM
Dil. Factor:	1.41	Date of Analysis: 2/22/12 11:40 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	2.8	Not Detected	7.4	Not Detected
1,1-Dichloroethene	0.70	Not Detected	2.8	Not Detected
Freon 113	0.70	Not Detected	5.4	Not Detected
Methylene Chloride	7.0	7.4	24	26
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	Not Detected	3.8	Not Detected
Trichloroethene	0.70	0.76	3.8	4.1
Tetrachloroethene	0.70	Not Detected	4.8	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	100	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	90	70-130

Client Sample ID: EN0430D021612

Lab ID#: 1202393-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022223	Date of Collection: 2/16/12 8:50:00 AM
Dil. Factor:	1.55	Date of Analysis: 2/23/12 12:18 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
Chloroethane	3.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	0.78	2.2	3.1	8.6
Freon 113	0.78	2.2	5.9	17
Methylene Chloride	7.8	8.6	27	30
1,1-Dichloroethane	0.78	7.3	3.1	30
cis-1,2-Dichloroethene	0.78	1.4	3.1	5.4
1,1,1-Trichloroethane	0.78	19	4.2	100
Trichloroethene	0.78	140	4.2	760
Tetrachloroethene	0.78	4.9	5.2	33
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	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	91	70-130

Client Sample ID: EN0430S021612

Lab ID#: 1202393-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022224	Date of Collection: 2/16/12 8:55:00 AM
Dil. Factor:	1.46	Date of Analysis: 2/23/12 12:55 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.73	Not Detected	1.9	Not Detected
Chloroethane	2.9	Not Detected	7.7	Not Detected
1,1-Dichloroethene	0.73	Not Detected	2.9	Not Detected
Freon 113	0.73	Not Detected	5.6	Not Detected
Methylene Chloride	7.3	12	25	40
1,1-Dichloroethane	0.73	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected
1,1,1-Trichloroethane	0.73	0.83	4.0	4.5
Trichloroethene	0.73	51	3.9	270
Tetrachloroethene	0.73	Not Detected	5.0	Not Detected
trans-1,2-Dichloroethene	0.73	Not Detected	2.9	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	87	70-130

Client Sample ID: EN045S021512

Lab ID#: 1202393-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022225	Date of Collection: 2/15/12 12:31:00 PM
Dil. Factor:	1.55	Date of Analysis: 2/23/12 01:33 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
Chloroethane	3.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Freon 113	0.78	Not Detected	5.9	Not Detected
Methylene Chloride	7.8	23	27	81
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.78	1.0	4.2	5.5
Trichloroethene	0.78	11	4.2	59
Tetrachloroethene	0.78	Not Detected	5.2	Not Detected
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	93	70-130

Client Sample ID: EN0533D021512

Lab ID#: 1202393-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022226	Date of Collection: 2/15/12 4:42:00 PM
Dil. Factor:	6.83	Date of Analysis: 2/23/12 02:11 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.4	Not Detected	8.7	Not Detected
Chloroethane	14	Not Detected	36	Not Detected
1,1-Dichloroethene	3.4	6.3	14	25
Freon 113	3.4	Not Detected	26	Not Detected
Methylene Chloride	34	Not Detected	120	Not Detected
1,1-Dichloroethane	3.4	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	3.4	4.3	14	17
1,1,1-Trichloroethane	3.4	28	19	160
Trichloroethene	3.4	750	18	4000
Tetrachloroethene	3.4	32	23	220
trans-1,2-Dichloroethene	3.4	Not Detected	14	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	114	70-130

Client Sample ID: EN0533S021512

Lab ID#: 1202393-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022227	Date of Collection: 2/15/12 3:15:00 PM
Dil. Factor:	1.64	Date of Analysis: 2/23/12 02:48 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	3.3	Not Detected	8.6	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	8.2	Not Detected	28	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	2.2	4.4	12
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	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	115	70-130

Client Sample ID: EN1017D021612

Lab ID#: 1202393-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022228	Date of Collection: 2/16/12 8:40:00 AM
Dil. Factor:	10.2	Date of Analysis: 2/23/12 03:26 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	5.1	Not Detected	13	Not Detected
Chloroethane	20	Not Detected	54	Not Detected
1,1-Dichloroethene	5.1	14	20	55
Freon 113	5.1	Not Detected	39	Not Detected
Methylene Chloride	51	96	180	330
1,1-Dichloroethane	5.1	Not Detected	21	Not Detected
cis-1,2-Dichloroethene	5.1	24	20	93
1,1,1-Trichloroethane	5.1	43	28	240
Trichloroethene	5.1	1200	27	6700
Tetrachloroethene	5.1	Not Detected	34	Not Detected
trans-1,2-Dichloroethene	5.1	Not Detected	20	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: DU3363021512

Lab ID#: 1202393-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022307	Date of Collection: 2/15/12 1:25:00 PM
Dil. Factor:	6.73	Date of Analysis: 2/23/12 01:00 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	13	Not Detected	36	Not Detected
1,1-Dichloroethene	3.4	Not Detected	13	Not Detected
Freon 113	3.4	Not Detected	26	Not Detected
Methylene Chloride	34	Not Detected	120	Not Detected
1,1-Dichloroethane	3.4	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	3.4	6.0	13	24
1,1,1-Trichloroethane	3.4	32	18	170
Trichloroethene	3.4	710	18	3800
Tetrachloroethene	3.4	Not Detected	23	Not Detected
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	95	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EB3326021612

Lab ID#: 1202393-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022308	Date of Collection: 2/16/12 9:44:00 AM
Dil. Factor:	1.61	Date of Analysis: 2/23/12 01:38 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	3.2	Not Detected	8.5	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	8.0	Not Detected	28	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	Not Detected	4.3	Not Detected
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	92	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN0410S021512

Lab ID#: 1202393-15A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022309	Date of Collection: 2/15/12 9:03:00 AM
Dil. Factor:	19.4	Date of Analysis: 2/23/12 02:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	9.7	Not Detected	25	Not Detected
Chloroethane	39	Not Detected	100	Not Detected
1,1-Dichloroethene	9.7	120	38	460
Freon 113	9.7	Not Detected	74	Not Detected
Methylene Chloride	97	Not Detected	340	Not Detected
1,1-Dichloroethane	9.7	180	39	750
cis-1,2-Dichloroethene	9.7	520	38	2100
1,1,1-Trichloroethane	9.7	410	53	2200
Trichloroethene	9.7	2300	52	12000
Tetrachloroethene	9.7	18	66	120
trans-1,2-Dichloroethene	9.7	Not Detected	38	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	91	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN0410S021512 Lab Duplicate

Lab ID#: 1202393-15AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022310	Date of Collection: 2/15/12 9:03:00 AM
Dil. Factor:	19.4	Date of Analysis: 2/23/12 02:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	9.7	13	25	34
Chloroethane	39	Not Detected	100	Not Detected
1,1-Dichloroethene	9.7	110	38	430
Freon 113	9.7	Not Detected	74	Not Detected
Methylene Chloride	97	Not Detected	340	Not Detected
1,1-Dichloroethane	9.7	180	39	720
cis-1,2-Dichloroethene	9.7	530	38	2100
1,1,1-Trichloroethane	9.7	400	53	2200
Trichloroethene	9.7	2300	52	12000
Tetrachloroethene	9.7	18	66	120
trans-1,2-Dichloroethene	9.7	Not Detected	38	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	91	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN0411S021412

Lab ID#: 1202393-16A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022311	Date of Collection: 2/14/12 1:05:00 PM
Dil. Factor:	1.46	Date of Analysis: 2/23/12 06:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.73	Not Detected	1.9	Not Detected
Chloroethane	2.9	Not Detected	7.7	Not Detected
1,1-Dichloroethene	0.73	Not Detected	2.9	Not Detected
Freon 113	0.73	Not Detected	5.6	Not Detected
Methylene Chloride	7.3	Not Detected	25	Not Detected
1,1-Dichloroethane	0.73	Not Detected	3.0	Not Detected
cis-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected
1,1,1-Trichloroethane	0.73	Not Detected	4.0	Not Detected
Trichloroethene	0.73	7.5	3.9	40
Tetrachloroethene	0.73	Not Detected	5.0	Not Detected
trans-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	91	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: EN0412D021512

Lab ID#: 1202393-17A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022312	Date of Collection: 2/15/12 11:25:00 AM
Dil. Factor:	1.52	Date of Analysis: 2/23/12 07:31 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	3.0	Not Detected	8.0	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	7.6	Not Detected	26	Not Detected
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	1.1	4.1	6.2
Trichloroethene	0.76	32	4.1	170
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
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	100	70-130
Toluene-d8	91	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN0413D021512

Lab ID#: 1202393-18A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022313	Date of Collection: 2/15/12 3:33:00 PM
Dil. Factor:	1.68	Date of Analysis: 2/23/12 08:09 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	3.4	Not Detected	8.9	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	8.4	Not Detected	29	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	1.7	4.6	9.4
Trichloroethene	0.84	23	4.5	120
Tetrachloroethene	0.84	10	5.7	71
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	89	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN0413S021512

Lab ID#: 1202393-19A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022314	Date of Collection: 2/15/12 3:32:00 PM
Dil. Factor:	1.64	Date of Analysis: 2/23/12 08:48 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	3.3	Not Detected	8.6	Not Detected
1,1-Dichloroethene	0.82	3.8	3.2	15
Freon 113	0.82	Not Detected	6.3	Not Detected
Methylene Chloride	8.2	Not Detected	28	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	15	4.5	83
Trichloroethene	0.82	78	4.4	420
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	78	70-130
Toluene-d8	89	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN0414S021612

Lab ID#: 1202393-20A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022413	Date of Collection: 2/16/12 9:24:00 AM
Dil. Factor:	2.67	Date of Analysis: 2/24/12 12:28 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.3	Not Detected	3.4	Not Detected
Chloroethane	5.3	Not Detected	14	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.3	Not Detected
Freon 113	1.3	Not Detected	10	Not Detected
Methylene Chloride	13	Not Detected	46	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.4	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.3	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.3	Not Detected
Trichloroethene	1.3	1.8	7.2	9.6
Tetrachloroethene	1.3	Not Detected	9.0	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.3	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	88	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: EN0417S021612

Lab ID#: 1202393-21A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022407	Date of Collection: 2/16/12 8:45:00 AM
Dil. Factor:	1.55	Date of Analysis: 2/24/12 08:43 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
Chloroethane	3.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Freon 113	0.78	Not Detected	5.9	Not Detected
Methylene Chloride	7.8	Not Detected	27	Not Detected
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Trichloroethene	0.78	11	4.2	58
Tetrachloroethene	0.78	Not Detected	5.2	Not Detected
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	88	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN041D021512

Lab ID#: 1202393-22A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022408	Date of Collection: 2/15/12 8:46:00 AM
Dil. Factor:	1.52	Date of Analysis: 2/24/12 09:20 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.76	Not Detected	1.9	Not Detected
Chloroethane	3.0	Not Detected	8.0	Not Detected
1,1-Dichloroethene	0.76	2.0	3.0	7.8
Freon 113	0.76	Not Detected	5.8	Not Detected
Methylene Chloride	7.6	Not Detected	26	Not Detected
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	9.7	4.1	53
Trichloroethene	0.76	22	4.1	120
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
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	94	70-130
Toluene-d8	90	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN0426S021412

Lab ID#: 1202393-23A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022409	Date of Collection: 2/14/12 9:13:00 AM
Dil. Factor:	1.58	Date of Analysis: 2/24/12 09:57 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	3.2	Not Detected	8.3	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	7.9	Not Detected	27	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	3.5	4.3	19
Trichloroethene	0.79	39	4.2	210
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	97	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: EN0427S021412

Lab ID#: 1202393-24A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022410	Date of Collection: 2/14/12 9:20:00 AM
Dil. Factor:	1.64	Date of Analysis: 2/24/12 10:34 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	3.3	Not Detected	8.6	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	8.2	Not Detected	28	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	2.7	4.5	15
Trichloroethene	0.82	14	4.4	73
Tetrachloroethene	0.82	2.6	5.6	18
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	90	70-130
Toluene-d8	81	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: EN049S021412

Lab ID#: 1202393-25A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022307	Date of Collection: 2/14/12 1:12:00 PM
Dil. Factor:	1.49	Date of Analysis: 2/23/12 01:50 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.74	Not Detected	1.9	Not Detected
Chloroethane	3.0	Not Detected	7.9	Not Detected
1,1-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Freon 113	0.74	Not Detected	5.7	Not Detected
Methylene Chloride	7.4	Not Detected	26	Not Detected
1,1-Dichloroethane	0.74	0.90	3.0	3.6
cis-1,2-Dichloroethene	0.74	1.0	3.0	3.9
1,1,1-Trichloroethane	0.74	8.1	4.1	44
Trichloroethene	0.74	130	4.0	690
Tetrachloroethene	0.74	3.0	5.0	20
trans-1,2-Dichloroethene	0.74	Not Detected	3.0	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: EN0529S021412

Lab ID#: 1202393-26A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022308	Date of Collection: 2/14/12 12:14:00 PM
Dil. Factor:	1.61	Date of Analysis: 2/23/12 02:28 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	3.2	Not Detected	8.5	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	8.0	Not Detected	28	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	Not Detected	4.3	Not Detected
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	115	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: Lab Blank

Lab ID#: 1202393-27A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022215a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/22/12 07:17 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	2.0	Not Detected	5.3	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	5.0	Not Detected	17	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	98	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: Lab Blank

Lab ID#: 1202393-27B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022306	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/12 12:23 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	2.0	Not Detected	5.3	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	5.0	Not Detected	17	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	106	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: Lab Blank

Lab ID#: 1202393-27C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022306a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/12 12:46 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	2.0	Not Detected	5.3	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	5.0	Not Detected	17	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	101	70-130
Toluene-d8	87	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: Lab Blank

Lab ID#: 1202393-27D

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022406	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/24/12 07:54 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	2.0	Not Detected	5.3	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	5.0	Not Detected	17	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	87	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: CCV

Lab ID#: 1202393-28A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022211	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/22/12 04:47 PM

Compound	%Recovery
Vinyl Chloride	102
Chloroethane	102
1,1-Dichloroethene	100
Freon 113	98
Methylene Chloride	91
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	105
Trichloroethene	94
Tetrachloroethene	93
trans-1,2-Dichloroethene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: CCV

Lab ID#: 1202393-28B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022302	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/12 09:53 AM

Compound	%Recovery
Vinyl Chloride	99
Chloroethane	99
1,1-Dichloroethene	102
Freon 113	103
Methylene Chloride	107
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	95
1,1,1-Trichloroethane	102
Trichloroethene	102
Tetrachloroethene	102
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: CCV

Lab ID#: 1202393-28C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022302a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/12 10:16 AM

Compound	%Recovery
Vinyl Chloride	95
Chloroethane	86
1,1-Dichloroethene	101
Freon 113	101
Methylene Chloride	88
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	94
1,1,1-Trichloroethane	108
Trichloroethene	95
Tetrachloroethene	93
trans-1,2-Dichloroethene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	88	70-130

Client Sample ID: CCV

Lab ID#: 1202393-28D

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/24/12 04:29 AM

Compound	%Recovery
Vinyl Chloride	91
Chloroethane	90
1,1-Dichloroethene	99
Freon 113	100
Methylene Chloride	99
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	90
1,1,1-Trichloroethane	96
Trichloroethene	100
Tetrachloroethene	98
trans-1,2-Dichloroethene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: LCS

Lab ID#: 1202393-29A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022212	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/22/12 05:25 PM

Compound	%Recovery
Vinyl Chloride	107
Chloroethane	74
1,1-Dichloroethene	105
Freon 113	101
Methylene Chloride	92
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	97
1,1,1-Trichloroethane	110
Trichloroethene	97
Tetrachloroethene	93
trans-1,2-Dichloroethene	114

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: LCSD

Lab ID#: 1202393-29AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022213	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/22/12 06:02 PM

Compound	%Recovery
Vinyl Chloride	107
Chloroethane	101
1,1-Dichloroethene	107
Freon 113	102
Methylene Chloride	96
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	109
Trichloroethene	97
Tetrachloroethene	93
trans-1,2-Dichloroethene	112

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: LCS

Lab ID#: 1202393-29B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022303	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/12 10:30 AM

Compound	%Recovery
Vinyl Chloride	100
Chloroethane	103
1,1-Dichloroethene	107
Freon 113	107
Methylene Chloride	106
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	107
Trichloroethene	102
Tetrachloroethene	102
trans-1,2-Dichloroethene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: LCSD

Lab ID#: 1202393-29BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022304	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/12 11:08 AM

Compound	%Recovery
Vinyl Chloride	99
Chloroethane	98
1,1-Dichloroethene	104
Freon 113	104
Methylene Chloride	102
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	95
1,1,1-Trichloroethane	104
Trichloroethene	102
Tetrachloroethene	99
trans-1,2-Dichloroethene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: LCS

Lab ID#: 1202393-29C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022303a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/12 10:53 AM

Compound	%Recovery
Vinyl Chloride	97
Chloroethane	92
1,1-Dichloroethene	103
Freon 113	100
Methylene Chloride	94
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	108
Trichloroethene	96
Tetrachloroethene	96
trans-1,2-Dichloroethene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: LCSD

Lab ID#: 1202393-29CC

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	6022304a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/12 11:31 AM

Compound	%Recovery
Vinyl Chloride	100
Chloroethane	82
1,1-Dichloroethene	107
Freon 113	103
Methylene Chloride	92
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	110
Trichloroethene	98
Tetrachloroethene	94
trans-1,2-Dichloroethene	114

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: LCS

Lab ID#: 1202393-29D

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/24/12 05:07 AM

Compound	%Recovery
Vinyl Chloride	104
Chloroethane	102
1,1-Dichloroethene	113
Freon 113	111
Methylene Chloride	108
1,1-Dichloroethane	105
cis-1,2-Dichloroethene	100
1,1,1-Trichloroethane	110
Trichloroethene	107
Tetrachloroethene	106
trans-1,2-Dichloroethene	114

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: LCSD

Lab ID#: 1202393-29DD

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	m022404	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/24/12 06:39 AM

Compound	%Recovery
Vinyl Chloride	103
Chloroethane	101
1,1-Dichloroethene	111
Freon 113	111
Methylene Chloride	107
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	99
1,1,1-Trichloroethane	109
Trichloroethene	107
Tetrachloroethene	104
trans-1,2-Dichloroethene	113

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	88	70-130
4-Bromofluorobenzene	101	70-130