8976 Wellington Road
Manassas, VA 20109

April 27, 2017

Jessica LaClair
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau D
625 Broadway, 12th Floor
Albany, NY 12233-7017

Re: Transmittal of Semiannual Data Report – Soil Vapor Monitoring Through February 2017
Comprehensive Operations, Maintenance and Monitoring Program
Order on Consent Index # A7-0502-0104, Site # 704014

Dear Ms. LaClair:

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,

M. E. Meyers

Mitchell E. Meyers
Program Manager

cc: H. Warner, NYSDEC Region 7
D. Tuohy, NYSDEC – Albany (transmittal only)
B. Boyd, NYSDOH – Troy
R. Brink Broome County Health Department
C. Pelto, Huron

SANBORN HEAD

Building Trust. Engineering Success.

SEMIANNUAL DATA REPORT

SOIL VAPOR MONITORING THROUGH FEBRUARY 2017
COMPREHENSIVE OPERATIONS, MAINTENANCE, AND MONITORING PROGRAM

Endicott, New York

Prepared for IBM Corporation
File No. 4201.00
April 2017

SANBORN HEAD
Building Trust. Engineering Success.

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

April 27, 2017
File No. 4201.00

Re: Semiannual Data Report
Soil Vapor Monitoring Through February 2017
Comprehensive Operations, Maintenance, and Monitoring Program
Endicott, New York

Dear Mr. Whalen:

This letter is intended to transmit data recorded during completion of the routine soil vapor monitoring program through February 2017 under IBM's Comprehensive Operations, Maintenance, and Monitoring Plan (COM&M Plan). This report is intended to be a data transmittal/analytical summary report for the limited sampling conducted on an annual basis in February.

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 Report in November 2016[1], a limited sampling has been conducted in February 2017 in accordance with the monitoring program approved through a February 2012 letter from NYSDEC. The February sampling includes five locations[2] central to the largest ventilation area and proximate to injection points. Sampling was conducted by Groundwater Sciences Corporation (GSC) of Harrisburg, Pennsylvania.

A location plan and time series plots depicting the history of TCE in groundwater groundwater and soil vapor observations for the locations sampled in February are attached along with the analytical laboratory reports. The data indicate continued progress in reduction of TCE groundwater concentrations.

The next scheduled sampling event is to be conducted in August. The next reporting of this monitoring program will be submitted to the Agencies in November 2017.

[1] Sanborn Head, November 9, 2016, Annual Report – Soil Vapor Monitoring Through August 2016, Comprehensive Operations, Maintenance, and Monitoring Program, Endicott, New York.

[2] EN04-11, EN04-12, EN04-29, EN04-30, and EN04-32

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

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

Erica M. Bosse, P.G.
Project Manager

David Shea, P.E.
Principal

EMB/DS: emb

Encl. Attachment A – Exploration Location Plan
Attachment B – Time Series Plots
Attachment C – Analytical Laboratory Report

\\conserv1\DATA\CONDATA\2700s\2755.07\Source Files\April 2017 Semi Rpt\20170424_Semi Rpt Ltr.docx

ATTACHMENT A

EXPLORATION LOCATION PLAN

Notes

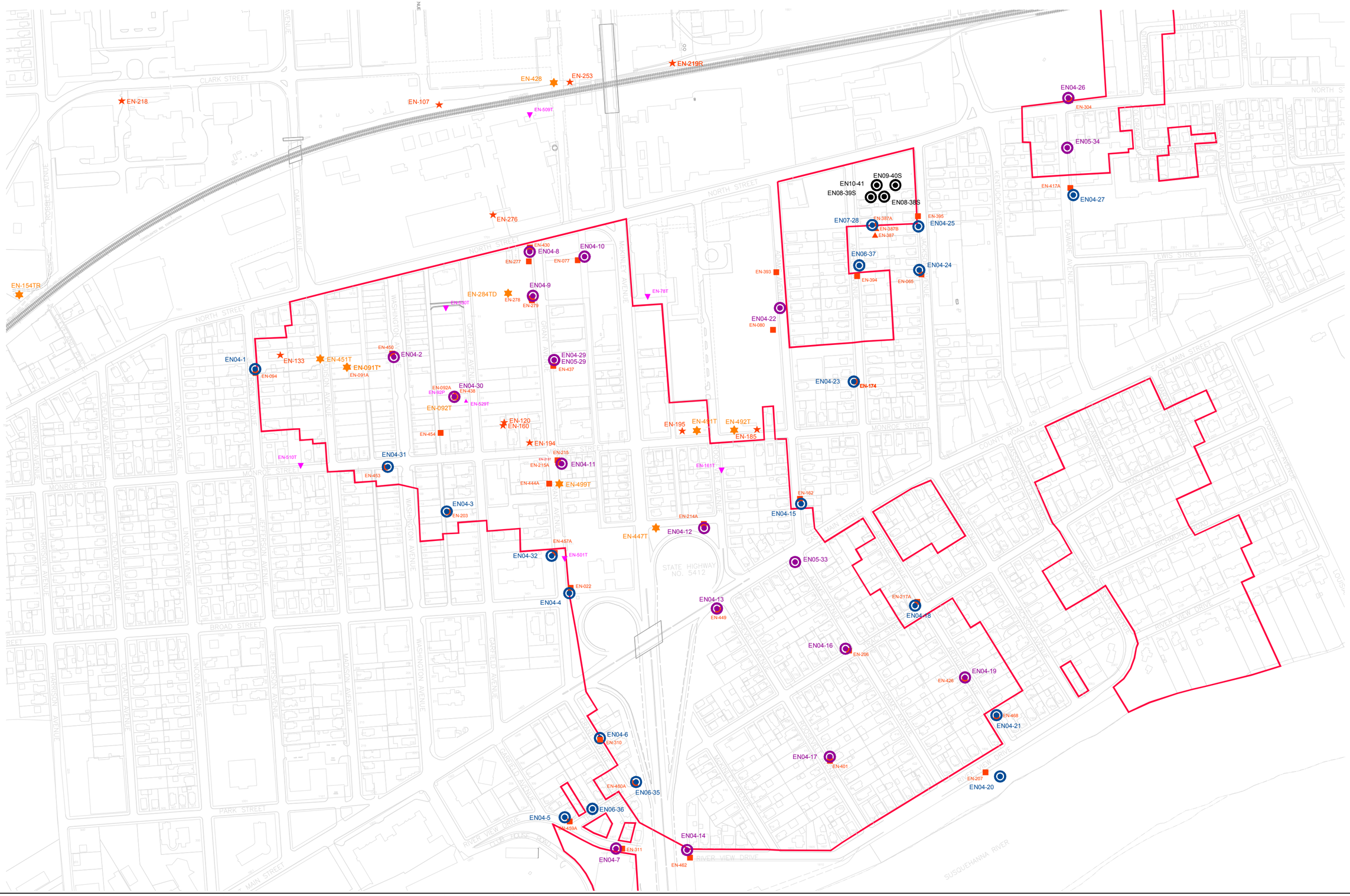
1. This figure is intended to depict soil vapor monitoring locations that have been established and maintained as part of the Comprehensive Operations, Maintenance & Monitoring Program. The locations of the soil vapor monitoring implants are based on taped measurements relative to physical features in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

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

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

Legend

- Limits of Ventilation
- Mailing address, arrow indicates facing street
- EN04-1 — Soil Vapor Monitoring Location - Perimeter Monitoring
- EN04-1 — Soil Vapor Monitoring Location - Remediation Progress Monitoring
- EN08-1 — Soil Vapor Monitoring Location - OU# 4
- EN09-1 — Proposed Soil Gas Monitoring Implant
- EN-430 — Upper Aquifer Monitoring Well
- EN-428 — Upper Aquifer Interceptor Extraction Well
- EN-510T — Upper Aquifer Injection Well



GRAPHICAL SCALE
150' 75' 0 150' 300'

NO.	DATE	DESCRIPTION	BY

Drawn By: E. Wright
Designed By: E. Bosse
Reviewed By: D. Shea
Project Mgr: E. Bosse
Pic: D. Shea
Date: April 2017

Semiannual Report - Soil Vapor Monitoring through February 2017
Comprehensive Operations, Maintenance & Monitoring Program
Endicott, New York

Soil Vapor Implant Location Plan

Project Number: 2755.08
Figure Number: 1

ATTACHMENT B

TIME SERIES PLOTS

Figure B.1
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through February 2017
Comprehensive Operations, Maintenance, Monitoring Program
Endicott, New York

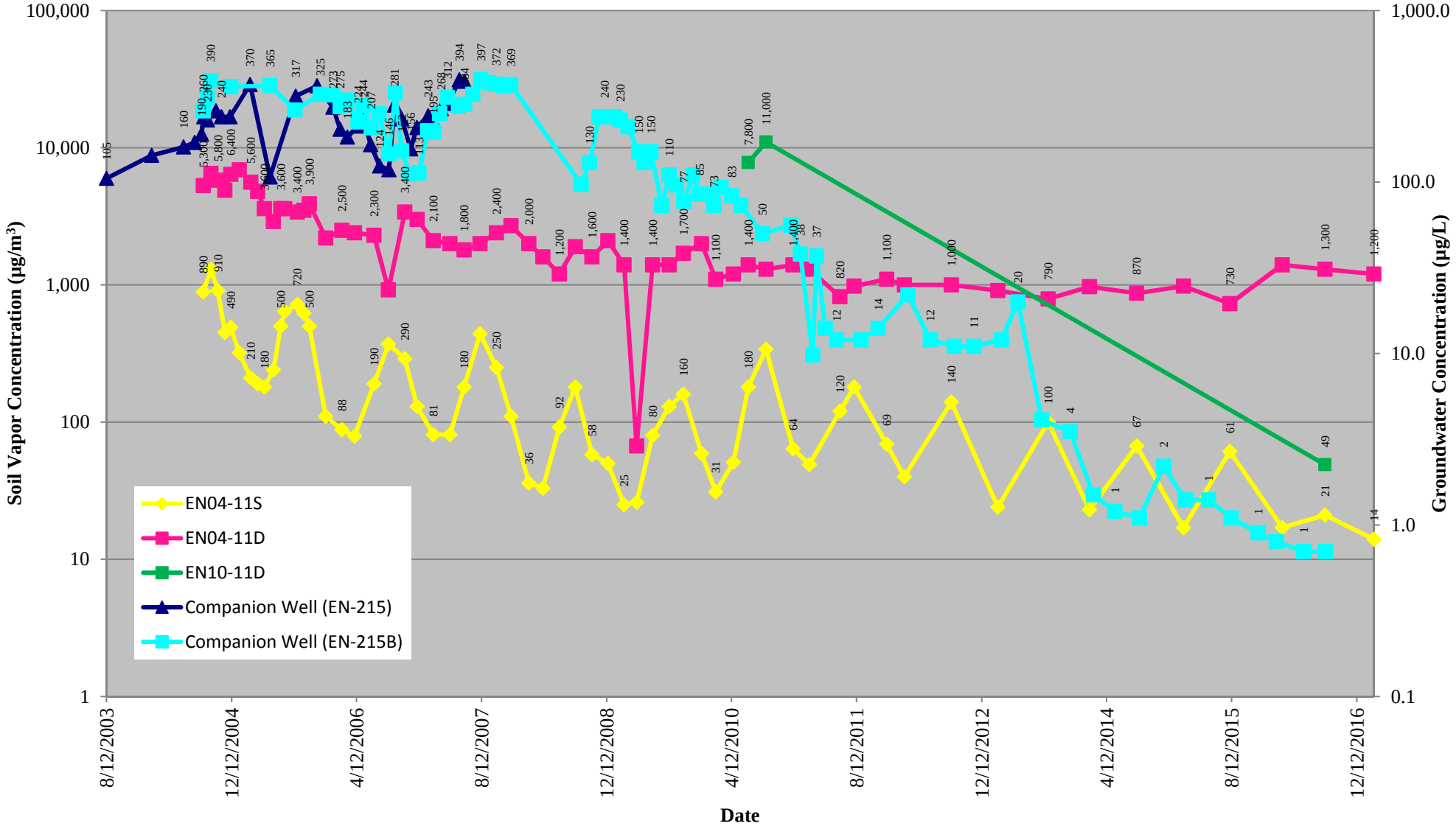


Figure B.2
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through February 2017
Comprehensive Operations, Maintenance, Monitoring Program
Endicott, New York

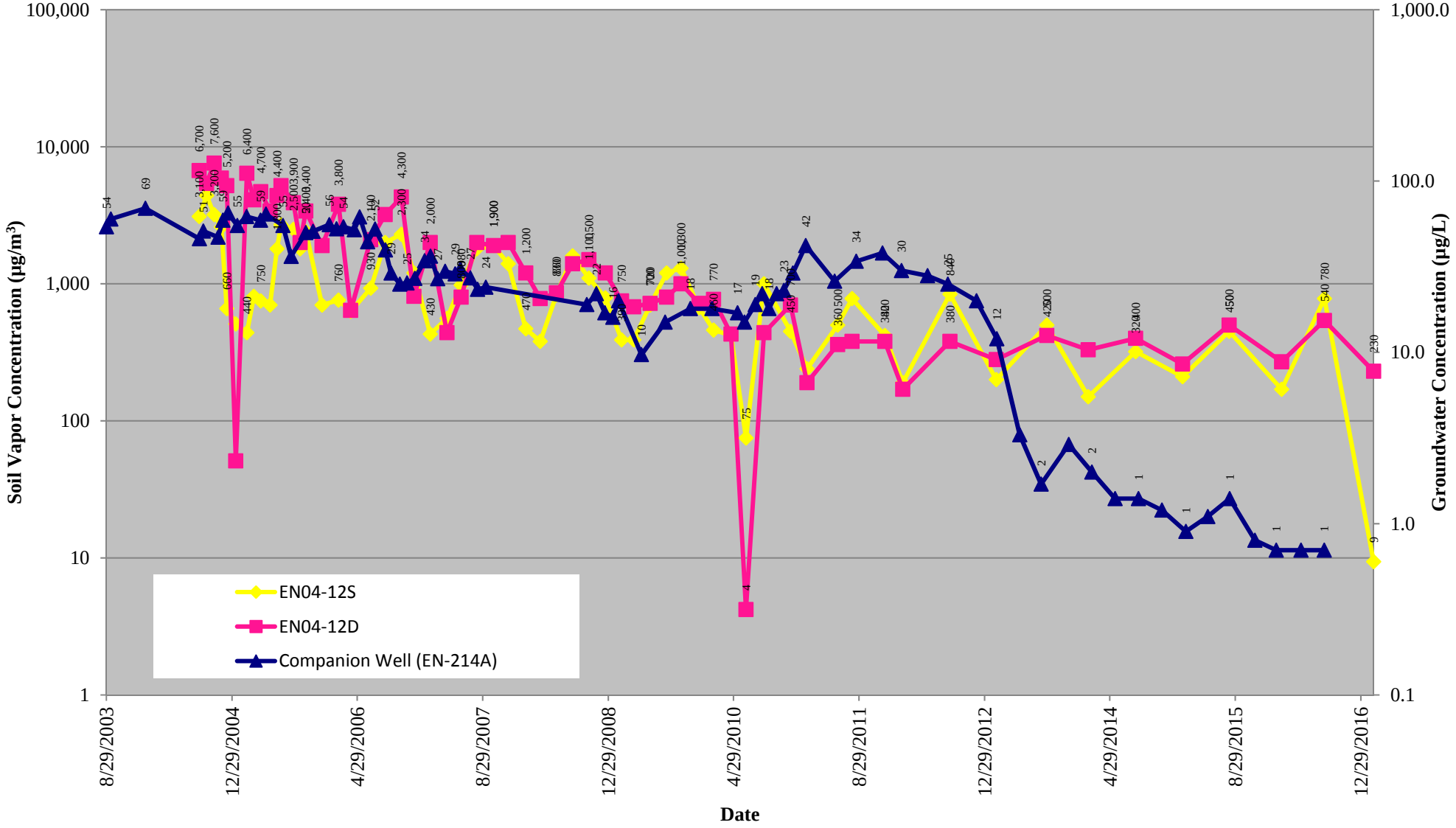


Figure B.3
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through February 2017
Comprehensive Operations, Maintenance, Monitoring Program
Endicott, New York

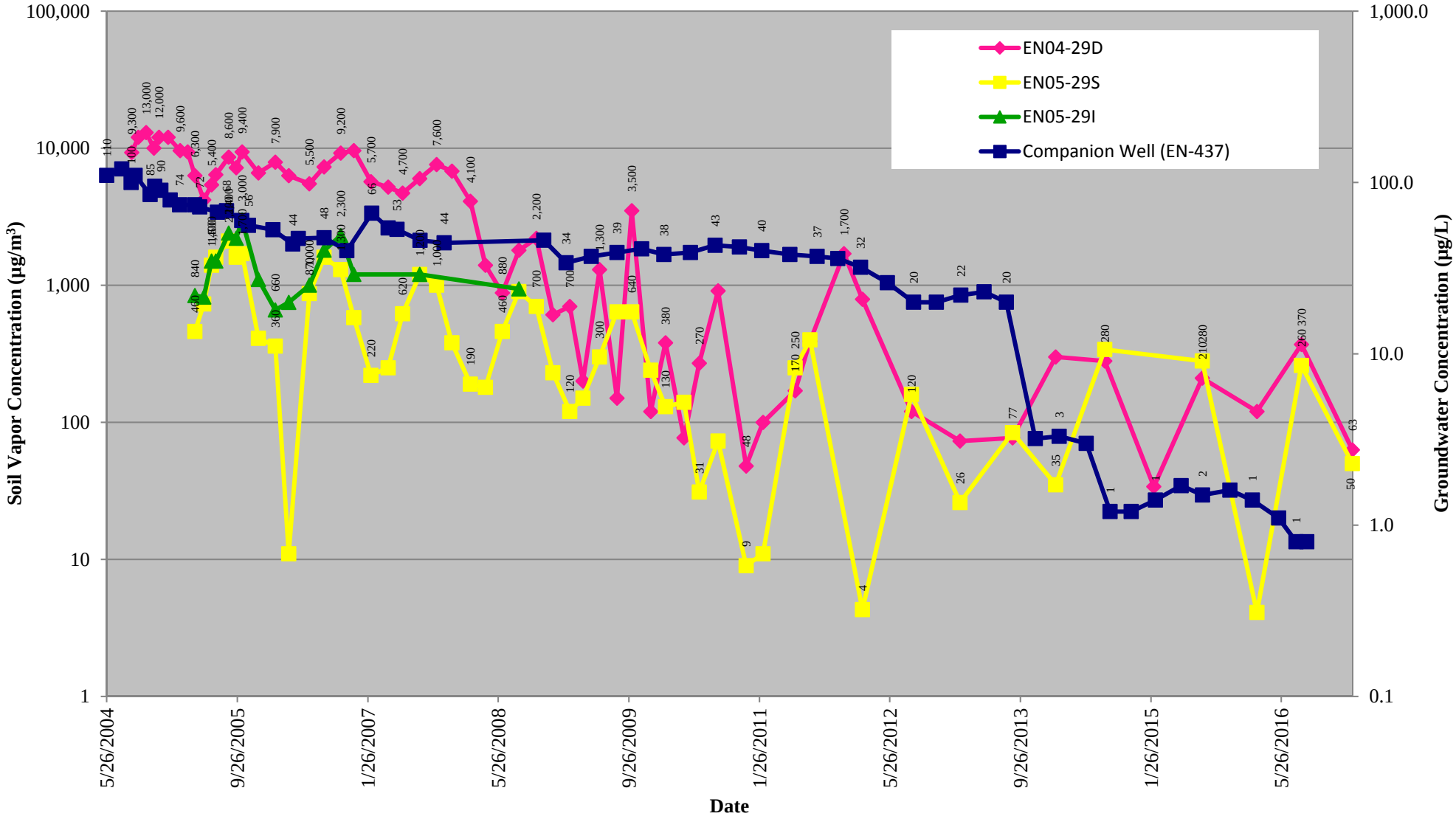


Figure B.4
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through February 2017
Comprehensive Operations, Maintenance, Monitoring Program
Endicott, New York

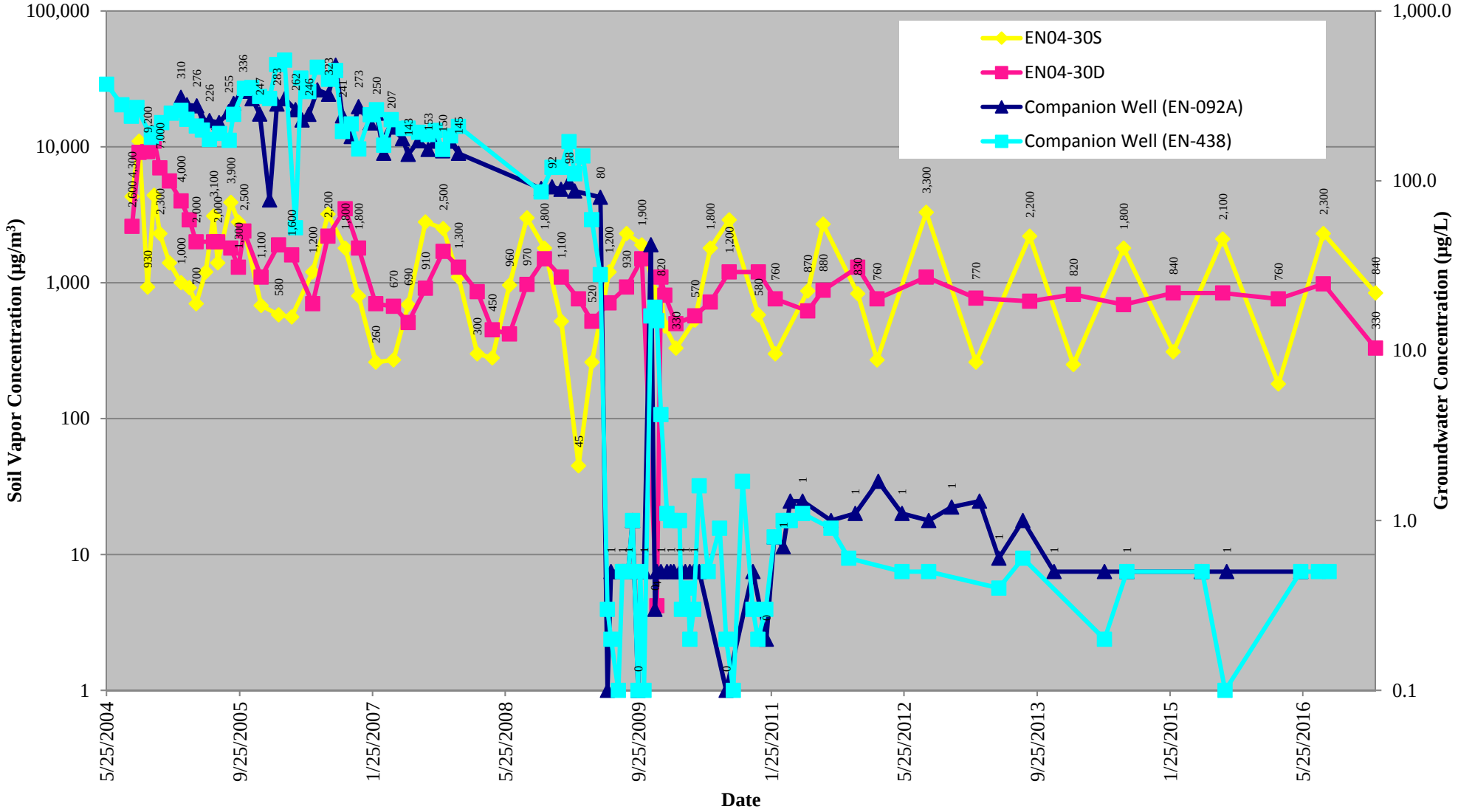
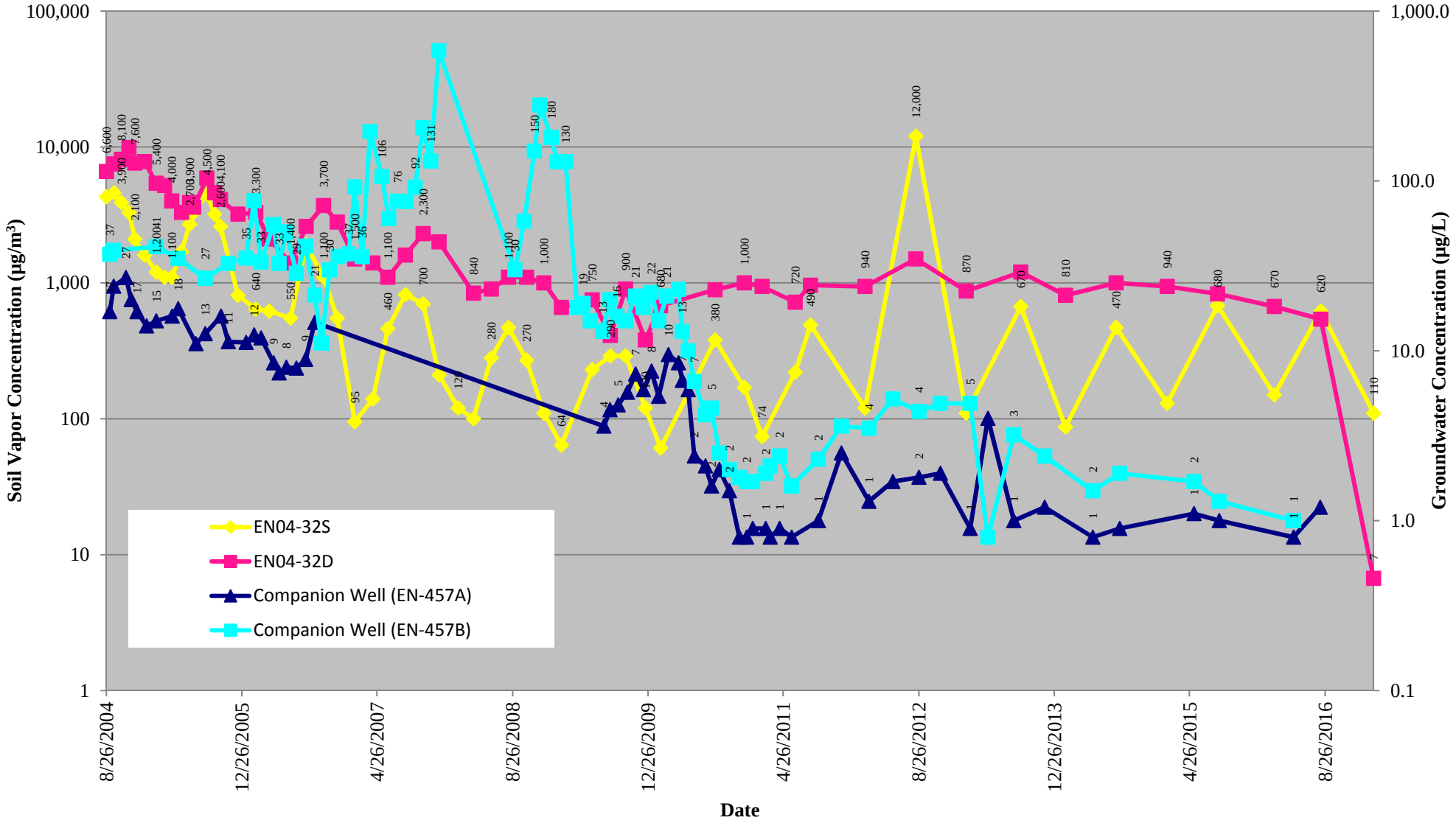


Figure B.5
TCE in Soil Vapor and Groundwater
Semiannual Report - Soil Vapor Monitoring through February 2017
Comprehensive Operations, Maintenance, Monitoring Program
Endicott, New York



ATTACHMENT C

ANALYTICAL LABORATORY REPORT

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

IBM
8976 Wellington Road
Manassas VA 20109

Report Date: February 27, 2017

Project: IBM

Submittal Date: 02/20/2017
Group Number: 1768232
PO Number: 5004937071
Release Number: NON-ROUTINE
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LL) #
EN0429D170215 Air	8846677
EQB954170215 Air	8846678
EN0430D170215 Air	8846679
EN0529S170215 Air	8846680
EN0432D170216 Air	8846681
EN0432S170216 Air	8846682
EN0412D170216 Air	8846683
EN0411S170216 Air	8846684
EN0412S170216 Air	8846685
EN0411D170216 Air	8846686
EN0430S170215 Air	8846687
DU1213170215 Air	8846688

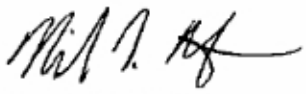
The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To GSC Attn: Scott Morgan

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Respectfully Submitted,



Nicole L. Maljovec
Manager

(717) 556-7259

Sample Description: EN0429D170215 Air
SummaCan# 930
IBM

LL Sample # AQ 8846677
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/15/2017 13:43
through 02/15/2017 14:43
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air EPA TO-15			ppb(v)		ppb(v)	ug/m3		ug/m3	
05298	Chloroethane	75-00-3	N.D.		0.20	N.D.		0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.		0.20	N.D.		0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.20	N.D.		0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.		0.20	N.D.		0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.20	N.D.		0.79	1
05298	Freon 113	76-13-1	N.D.		0.50	N.D.		3.8	1
05298	Methylene Chloride	75-09-2	N.D.		0.20	N.D.		0.69	1
05298	Tetrachloroethene	127-18-4	0.47	J	0.20	3.2	J	1.4	1
05298	1,1,1-Trichloroethane	71-55-6	1.2		0.20	6.7		1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		0.20	N.D.		1.1	1
05298	Trichloroethene	79-01-6	12		0.20	63		1.1	1
05298	Vinyl Chloride	75-01-4	N.D.		0.20	N.D.		0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/26/2017 18:23	Jacob E Bailey	1

Sample Description: EQB954170215 Air
SummaCan# 954
IBM

LL Sample # AQ 8846678
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/15/2017 10:40
through 02/15/2017 11:40
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air EPA TO-15			ppb(v)		ppb(v)	ug/m3		ug/m3	
05298	Chloroethane	75-00-3	N.D.		0.20	N.D.		0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.		0.20	N.D.		0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.20	N.D.		0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.		0.20	N.D.		0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.20	N.D.		0.79	1
05298	Freon 113	76-13-1	N.D.		0.50	N.D.		3.8	1
05298	Methylene Chloride	75-09-2	N.D.		0.20	N.D.		0.69	1
05298	Tetrachloroethene	127-18-4	0.30	J	0.20	2.0	J	1.4	1
05298	1,1,1-Trichloroethane	71-55-6	N.D.		0.20	N.D.		1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		0.20	N.D.		1.1	1
05298	Trichloroethene	79-01-6	N.D.		0.20	N.D.		1.1	1
05298	Vinyl Chloride	75-01-4	N.D.		0.20	N.D.		0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/26/2017 19:07	Jacob E Bailey	1

Sample Description: EN0430D170215 Air
SummaCan# 962
IBM

LL Sample # AQ 8846679
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/15/2017 10:07
through 02/15/2017 11:07
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air EPA TO-15			ppb(v)		ppb(v)	ug/m3		ug/m3	
05298	Chloroethane	75-00-3	N.D.		0.20	N.D.		0.53	1
05298	1,1-Dichloroethane	75-34-3	0.65	J	0.20	2.6	J	0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.20	N.D.		0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	0.94	J	0.20	3.7	J	0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.20	N.D.		0.79	1
05298	Freon 113	76-13-1	N.D.		0.50	N.D.		3.8	1
05298	Methylene Chloride	75-09-2	N.D.		0.20	N.D.		0.69	1
05298	Tetrachloroethene	127-18-4	3.3		0.20	22		1.4	1
05298	1,1,1-Trichloroethane	71-55-6	9.8		0.20	53		1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		0.20	N.D.		1.1	1
05298	Trichloroethene	79-01-6	61		2.0	330		11	10
05298	Vinyl Chloride	75-01-4	N.D.		0.20	N.D.		0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/26/2017 19:50	Jacob E Bailey	1
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/27/2017 08:35	Jacob E Bailey	10

Sample Description: EN0529S170215 Air
SummaCan# 975
IBM

LL Sample # AQ 8846680
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/15/2017 13:32
through 02/15/2017 14:32
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air EPA TO-15			ppb(v)		ppb(v)	ug/m3		ug/m3	
05298	Chloroethane	75-00-3	N.D.		0.20	N.D.		0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.		0.20	N.D.		0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.20	N.D.		0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.		0.20	N.D.		0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.20	N.D.		0.79	1
05298	Freon 113	76-13-1	N.D.		0.50	N.D.		3.8	1
05298	Methylene Chloride	75-09-2	N.D.		0.20	N.D.		0.69	1
05298	Tetrachloroethene	127-18-4	0.42	J	0.20	2.9	J	1.4	1
05298	1,1,1-Trichloroethane	71-55-6	1.3		0.20	7.0		1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		0.20	N.D.		1.1	1
05298	Trichloroethene	79-01-6	9.2		0.20	50		1.1	1
05298	Vinyl Chloride	75-01-4	N.D.		0.20	N.D.		0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/26/2017 20:34	Jacob E Bailey	1

Sample Description: EN0432D170216 Air
SummaCan# 995
IBM

LL Sample # AQ 8846681
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/16/2017 10:51
through 02/16/2017 11:51
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air EPA TO-15			ppb(v)		ppb(v)	ug/m3		ug/m3	
05298	Chloroethane	75-00-3	N.D.		0.20	N.D.		0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.		0.20	N.D.		0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.20	N.D.		0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.		0.20	N.D.		0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.20	N.D.		0.79	1
05298	Freon 113	76-13-1	N.D.		0.50	N.D.		3.8	1
05298	Methylene Chloride	75-09-2	N.D.		0.20	N.D.		0.69	1
05298	Tetrachloroethene	127-18-4	0.35	J	0.20	2.4	J	1.4	1
05298	1,1,1-Trichloroethane	71-55-6	N.D.		0.20	N.D.		1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		0.20	N.D.		1.1	1
05298	Trichloroethene	79-01-6	1.2		0.20	6.7		1.1	1
05298	Vinyl Chloride	75-01-4	N.D.		0.20	N.D.		0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/26/2017 21:18	Jacob E Bailey	1

Sample Description: EN0432S170216 Air
SummaCan# 1000
IBM

LL Sample # AQ 8846682
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/16/2017 10:46
through 02/16/2017 11:46
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air EPA TO-15			ppb(v)		ppb(v)	ug/m3		ug/m3	
05298	Chloroethane	75-00-3	N.D.		0.20	N.D.		0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.		0.20	N.D.		0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.20	N.D.		0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.		0.20	N.D.		0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.20	N.D.		0.79	1
05298	Freon 113	76-13-1	N.D.		0.50	N.D.		3.8	1
05298	Methylene Chloride	75-09-2	0.78	J	0.20	2.7	J	0.69	1
05298	Tetrachloroethene	127-18-4	0.29	J	0.20	2.0	J	1.4	1
05298	1,1,1-Trichloroethane	71-55-6	1.2		0.20	6.6		1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		0.20	N.D.		1.1	1
05298	Trichloroethene	79-01-6	21		0.20	110		1.1	1
05298	Vinyl Chloride	75-01-4	N.D.		0.20	N.D.		0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/26/2017 22:02	Jacob E Bailey	1

Sample Description: EN0412D170216 Air
SummaCan# 1009
IBM

LL Sample # AQ 8846683
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/16/2017 09:14
through 02/16/2017 10:14
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result	MDL	Final Result	MDL	DF
Volatiles in Air EPA TO-15			ppb(v)	ppb(v)	ug/m3	ug/m3	
05298	Chloroethane	75-00-3	N.D.	0.20	N.D.	0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.	0.20	N.D.	0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.	0.20	N.D.	0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.	0.20	N.D.	0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.	0.20	N.D.	0.79	1
05298	Freon 113	76-13-1	N.D.	0.50	N.D.	3.8	1
05298	Methylene Chloride	75-09-2	N.D.	0.20	N.D.	0.69	1
05298	Tetrachloroethene	127-18-4	0.61 J	0.20	4.1 J	1.4	1
05298	1,1,1-Trichloroethane	71-55-6	1.3	0.20	7.3	1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.	0.20	N.D.	1.1	1
05298	Trichloroethene	79-01-6	42	0.20	230	1.1	1
05298	Vinyl Chloride	75-01-4	N.D.	0.20	N.D.	0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/26/2017 22:46	Jacob E Bailey	1

Sample Description: EN0411S170216 Air
SummaCan# 1018
IBM

LL Sample # AQ 8846684
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/16/2017 13:21
through 02/16/2017 14:21
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air EPA TO-15			ppb(v)		ppb(v)	ug/m3		ug/m3	
05298	Chloroethane	75-00-3	N.D.		0.20	N.D.		0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.		0.20	N.D.		0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.20	N.D.		0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.		0.20	N.D.		0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.20	N.D.		0.79	1
05298	Freon 113	76-13-1	N.D.		0.50	N.D.		3.8	1
05298	Methylene Chloride	75-09-2	N.D.		0.20	N.D.		0.69	1
05298	Tetrachloroethene	127-18-4	N.D.		0.20	N.D.		1.4	1
05298	1,1,1-Trichloroethane	71-55-6	0.21	J	0.20	1.1	J	1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		0.20	N.D.		1.1	1
05298	Trichloroethene	79-01-6	2.6		0.20	14		1.1	1
05298	Vinyl Chloride	75-01-4	N.D.		0.20	N.D.		0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/26/2017 23:29	Jacob E Bailey	1

Sample Description: EN0412S170216 Air
SummaCan# 1041
IBM

LL Sample # AQ 8846685
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/16/2017 09:08
through 02/16/2017 10:08
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air EPA TO-15			ppb(v)		ppb(v)	ug/m3		ug/m3	
05298	Chloroethane	75-00-3	N.D.		0.20	N.D.		0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.		0.20	N.D.		0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.20	N.D.		0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.		0.20	N.D.		0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.20	N.D.		0.79	1
05298	Freon 113	76-13-1	N.D.		0.50	N.D.		3.8	1
05298	Methylene Chloride	75-09-2	0.41	J	0.20	1.4	J	0.69	1
05298	Tetrachloroethene	127-18-4	N.D.		0.20	N.D.		1.4	1
05298	1,1,1-Trichloroethane	71-55-6	N.D.		0.20	N.D.		1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		0.20	N.D.		1.1	1
05298	Trichloroethene	79-01-6	1.7		0.20	9.4		1.1	1
05298	Vinyl Chloride	75-01-4	N.D.		0.20	N.D.		0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/27/2017 00:13	Jacob E Bailey	1

Sample Description: EN0411D170216 Air
SummaCan# 1207
IBM

LL Sample # AQ 8846686
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/16/2017 13:28
through 02/16/2017 14:28
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result	MDL	Final Result	MDL	DF
Volatiles in Air EPA TO-15			ppb(v)	ppb(v)	ug/m3	ug/m3	
05298	Chloroethane	75-00-3	N.D.	0.20	N.D.	0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.	0.20	N.D.	0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.	0.20	N.D.	0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	1.2	0.20	4.6	0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.	0.20	N.D.	0.79	1
05298	Freon 113	76-13-1	N.D.	0.50	N.D.	3.8	1
05298	Methylene Chloride	75-09-2	N.D.	0.20	N.D.	0.69	1
05298	Tetrachloroethene	127-18-4	1.1	0.20	7.3	1.4	1
05298	1,1,1-Trichloroethane	71-55-6	11	0.20	58	1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.	0.20	N.D.	1.1	1
05298	Trichloroethene	79-01-6	220	2.0	1,200	11	10
05298	Vinyl Chloride	75-01-4	N.D.	0.20	N.D.	0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/27/2017 00:57	Jacob E Bailey	1
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/27/2017 09:01	Jacob E Bailey	10

Sample Description: EN0430S170215 Air
SummaCan# 1209
IBM

LL Sample # AQ 8846687
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/15/2017 10:05
through 02/15/2017 12:05
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air EPA TO-15			ppb(v)		ppb(v)	ug/m3		ug/m3	
05298	Chloroethane	75-00-3	N.D.		0.20	N.D.		0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.		0.20	N.D.		0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.20	N.D.		0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.		0.20	N.D.		0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.20	N.D.		0.79	1
05298	Freon 113	76-13-1	N.D.		0.50	N.D.		3.8	1
05298	Methylene Chloride	75-09-2	N.D.		0.20	N.D.		0.69	1
05298	Tetrachloroethene	127-18-4	0.68	J	0.20	4.6	J	1.4	1
05298	1,1,1-Trichloroethane	71-55-6	1.7		0.20	9.3		1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		0.20	N.D.		1.1	1
05298	Trichloroethene	79-01-6	160		2.0	840		11	10
05298	Vinyl Chloride	75-01-4	N.D.		0.20	N.D.		0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/27/2017 01:41	Jacob E Bailey	1
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/27/2017 09:33	Jacob E Bailey	10

Sample Description: DU1213170215 Air
SummaCan# 1213
IBM

LL Sample # AQ 8846688
LL Group # 1768232
Account # 12618

Project Name: IBM

Collected: 02/15/2017 10:05
through 02/15/2017 12:05
Submitted: 02/20/2017 09:15
Reported: 02/27/2017 15:07

IBM
8976 Wellington Road
Manassas VA 20109

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air EPA TO-15			ppb(v)		ppb(v)	ug/m3		ug/m3	
05298	Chloroethane	75-00-3	N.D.		0.20	N.D.		0.53	1
05298	1,1-Dichloroethane	75-34-3	N.D.		0.20	N.D.		0.81	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.20	N.D.		0.79	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.		0.20	N.D.		0.79	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.20	N.D.		0.79	1
05298	Freon 113	76-13-1	N.D.		0.50	N.D.		3.8	1
05298	Methylene Chloride	75-09-2	N.D.		0.20	N.D.		0.69	1
05298	Tetrachloroethene	127-18-4	0.22	J	0.20	1.5	J	1.4	1
05298	1,1,1-Trichloroethane	71-55-6	1.8		0.20	9.6		1.1	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		0.20	N.D.		1.1	1
05298	Trichloroethene	79-01-6	90		2.0	490		11	10
05298	Vinyl Chloride	75-01-4	N.D.		0.20	N.D.		0.51	1

MDL = Method Detection Limit

Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/27/2017 02:25	Jacob E Bailey	1
05298	IBM Selected VOCs List-PA	EPA TO-15	1	E1705730AA	02/27/2017 09:59	Jacob E Bailey	10

Quality Control Summary

Client Name: IBM
Reported: 02/27/2017 15:07

Group Number: 1768232

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ppb(v)	MDL ppb(v)	Result ug/m3	MDL ug/m3
Batch number: E1705730AA	Sample number(s): 8846677-8846688			
Chloroethane	N.D.	0.20	N.D.	0.53
1,1-Dichloroethane	N.D.	0.20	N.D.	0.81
1,1-Dichloroethene	N.D.	0.20	N.D.	0.79
cis-1,2-Dichloroethene	N.D.	0.20	N.D.	0.79
trans-1,2-Dichloroethene	N.D.	0.20	N.D.	0.79
Freon 113	N.D.	0.50	N.D.	3.8
Methylene Chloride	N.D.	0.20	N.D.	0.69
Tetrachloroethene	N.D.	0.20	N.D.	1.4
1,1,1-Trichloroethane	N.D.	0.20	N.D.	1.1
1,1,2-Trichloroethane	N.D.	0.20	N.D.	1.1
Trichloroethene	N.D.	0.20	N.D.	1.1
Vinyl Chloride	N.D.	0.20	N.D.	0.51

LCS/LCSD

Analysis Name	LCS Spike Added ppb(v)	LCS Conc ppb(v)	LCSD Spike Added ppb(v)	LCSD Conc ppb(v)	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E1705730AA	Sample number(s): 8846677-8846688								
Chloroethane	10	10.94	10	11.45	109	115	76-129	5	25
1,1-Dichloroethane	10	10.99	10	11.03	110	110	74-129	0	25
1,1-Dichloroethene	10	10.51	10	10.97	105	110	70-129	4	25
cis-1,2-Dichloroethene	10	10.4	10	10.86	104	109	76-126	4	25
trans-1,2-Dichloroethene	10	10.92	10	10.87	109	109	77-128	0	25
Freon 113	10	10.4	10	10.4	104	104	66-119	0	25
Methylene Chloride	10	12.52	10	12.41	125	124	69-128	1	25
Tetrachloroethene	10	10.69	10	10.55	107	106	68-123	1	25
1,1,1-Trichloroethane	10	11.32	10	11.31	113	113	74-122	0	25
1,1,2-Trichloroethane	10	11.4	10	11.31	114	113	76-127	1	25
Trichloroethene	10	10.48	10	10.53	105	105	76-118	1	25
Vinyl Chloride	10	11.12	10	11.15	111	112	75-130	0	25

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: IBM Group Number: 1768232
Reported: 02/27/2017 15:07

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 12618 Group # 1768252 For Eurofins Lancaster Laboratories Environmental use only Sample # 5846077-88 Bottle Order (SCR) # 200434

Client Information

Client: Groundwater Sciences Corp Account #:

Project Name/#: IBM

Project Manager: Scott Morgan P.O. #:

Sampler: Kelly Devine Quote #:

Name of state where samples were collected: NY

Turnaround Time Requested (TAT) (circle one)

Standard Rush (specify) _____

Data Package Required? Yes No

EDD Required? Yes No

	Temperature (F)		Pressure ("Hg)	
	Start	Stop	Start	Stop
Ambient	37	37	29.21	29.25
Maximum	42	42	29.21	29.25
Minimum	24	24	29.21	29.25

Analyses Requested

EPA TO - 15 | EPA 18 | ☐ MTBE | ☐ BTEX | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

Sample Identification	Start Date/Time (24-hour clock)	Stop Date/Time (24-hour clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	~~Interior~~ ext Temp. (F) (Start)	~~Interior~~ ext Temp. (F) (Stop)	Flow Reg. ID	Can ID	Can Size (L)	Controller Flowrate (mL/min)	EPA TO - 15	EPA 18	MTBE	BTEX	EPA 25	Helium as tracer	O2/CO2	Library Search
EN04291702 15	13:43	14:43	30	6.5	37	37	848497	930	1	14.4	X							
EN03951702 15	10:40	11:40	27.5	1	42	42	329603	954	1	14.6								
EN04301702 15	10:07	11:07	29.5	9	42	42	338664	962	1	14.1								
EN05291702 15	13:32	14:32	28	5	37	37	958055	975	1	14.3								
EN04321702 16	10:51	11:51	27	4	24	24	675039	995	1	14.1								
EN04321702 16	10:46	11:46	28	4.5	24	24	966893	1000	1	14.1								
EN04121702 16	9:14	10:14	29	7	24	24	505767	1009	1	14.0								
EN04111702 16	13:21	14:21	28.5	6	25	25	399349	1018	1	14.1								
EN04121702 16	9:08	10:08	29	3.5	24	24	316959	1041	1	14.6								
EN04111702 16	13:28	14:28	29	5.5	25	25	958119	1207	1	14.0								
EN04301702 15	10:05	11:05	26.5	3	42	42	250410	1209	1	7.0								

Instructions/QC Requirements & Comments

Analytical Info PCE, TCE, 1,1 DCE, Cis1,2 DCE, Trans1,2 DCE VC, TCA, 1,1 DCA, Chloroethane, MeCl, Freon 113

EPA 25 (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

Canisters Shipped by:	Date/Time:	Canisters Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
FEDEX 15:00	2/10/17		2-15-17 8:30		2-16-17 15:30		
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time: 2/20/17 7:09

Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 12618 Group # 1768232 For Eurofins Lancaster Laboratories Environmental use only Sample # 588466677-88 Bottle Order (SCR) # 200434

Client Information

Client: Groundwater Sciences Corp Account #

Project Name/#: LBM

Project Manager: Scott Morson P.O. #

Sampler: Kelly Devine Quote #

Name of state where samples were collected: NY

Turnaround Time Requested (TAT) (circle one)

(Standard) Rush (specify) _____

Data Package Required? (Yes) No

EDD Required? (Yes) No

	Temperature (F)		Pressure ("Hg)	
	Start	Stop	Start	Stop
Ambient	42	42	29	1
Maximum	42	42	29	1
Minimum	42	42	29	1

Analyses Requested

EPA TO - 15 | ☐ MTBE | ☐ BTEX | EPA 18 | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

Sample Identification	Start Date/Time (24-hour clock)	Stop Date/Time (24-hour clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	~~Interior~~ Temp. (F) (Start)	~~Interior~~ Temp. (F) (Stop)	Flow Reg. ID	Can ID	Can Size (L)	Controller Flowrate (mL/min)	EPA TO - 15	EPA 18	EPA 25	Helium as tracer	O2/CO2	Library Search
~~EN04305~~ KD							~~399405~~	~~1213~~	~~1~~	~~7.3~~						
DW121317OD-15	10:05	12:05			42	42	399405	1213	1	7.3	X					

Instructions/QC Requirements & Comments

Analytical lists PCE, TCE, 1,1DCE, Cis 1,2DCE, Trans 1,2DCE, VC TCA, 1,1DCA, chloroethane, MeCl, Freon 113

EPA 25 (check one)

☐ C1 - C4 ☐ C2 - C10

☐ C1 - C10 ☐ C4 - C10 (GRO)

☐ C2 - C4

Canisters Shipped by:	Date/Time:	Canisters Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
15:00	2/10/17		2-15-17		2/10/17 15:00		
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time: 2/16/17 0915

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 176040

Group Number(s): 1768232

Client: GROUNDWATER SCIENCES CORP

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	02/20/2017 9:15
Number of Packages:	2	Number of Projects:	1
State/Province of Origin:	NY		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	N/A	VOA Vial Headspace ≥ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	Yes
Missing Samples:	No	Air Quality Flow Controllers Present:	No
Extra Samples:	No	Air Quality Returns:	No
Discrepancy in Container Qty on COC:	No		

Unpacked by Evelyn Shank (12390) at 09:20 on 02/20/2017

General Comments: REC'D ONE BAG OF SUMMA PARTS

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	none detected
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…
W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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