



GTE Operations Support Incorporated
One Verizon Way (VC34W414)
Basking Ridge, NJ 07920-1097
(908) 559-3691

June 2, 2009

Mr. Stephen Condon
New York State Department of Environmental Conservation
Bureau of Radiation & Hazardous Site Management
Division of Solid & Hazardous Materials
625 Broadway
Albany, New York 12233-7252

Re: *December 2008 Indoor Air Sampling Report*

Dear Mr. Condon:

Attached are the results of the December 2008 indoor air sampling event at the Former Philips Display Components Facility in Seneca Falls, New York (Site).

Volatile organic compounds (VOCs), primarily trichloroethene (TCE), have been detected in sub-slab vapor and indoor air at the Site. Two sub-slab depressurization (SSD) systems and a crawl space ventilation system have been effective at reducing VOC concentrations in the subsurface.

Air samples will continue to be collected quarterly in 2009 to monitor the effects of the SSD systems and ventilation system on indoor air quality. The March 2009 confirmatory indoor air and sub-slab vapor sampling event was conducted on March 26, 2009. The next confirmatory sampling event will be conducted during the week of June 22, 2009.

If you have any questions concerning this letter, please do not hesitate to call me. I can be reached at (908) 559-3691.

Sincerely,

Pam M. Cox / ew
Pam M. Cox
Manager – Workplace Safety &
Environmental Compliance

ATTACHMENTS

Attachment A – December 2008 Indoor Air Sampling Event Summary
Attachment B – Figures
Attachment C – Tables
Attachment D – Data Validation Report

c: Ms. Denise Radtke
New York State Department of
Environmental Conservation
625 Broadway
Albany, NY 12233-7252

Ms. Melissa A. Menetti
New York State Department of Health
547 River Street
Troy, NY 12180

Mr. James Reidy
U.S. Environmental Protection Agency
290 Broadway
New York, NY 10007-1866

Mr. Daniel Lang
Malcolm Pirnie, Inc.
43 British American Boulevard
Latham, NY 12110

Mr. Ray Larkin
Philips Components
Environmental Consultant
9 Hawthorne Court
North Kingstown, RI 02852-4646

Mr. Michael Hanna
H.P. Neun
75 North Main Street
Fairport, NY 14450

Mr. Steven Malsan
New York State Department of
Environmental Conservation
625 Broadway
Albany, NY 12233-7252

Mr. Scott Foti
Regional Solid & Haz Material Engineer
New York State Department of
Environmental Conservation
6274 East Avon-Lima Road
Avon, NY 14414

Mr. Sam Ezekwo
U.S. Environmental Protection Agency
Region 2
Division of Environmental Planning
and Protection
290 Broadway
New York, NY 10007-1866

Ms. Marzi Sharfaei
Malcolm Pirnie, Inc.
1515 E. Woodfield Road
Suite 360
Schaumburg, IL 60173

Ms. Patricia Jones
Executive Director
Seneca County
Industrial Development Agency
1 DiPronio Drive
Waterloo, NY 13165-1681

Attachment A
December 2008 Indoor Air Sampling Event Summary

Introduction

In December 2008 indoor air, sub-slab vapor, and crawl space air samples were collected at the Former Philips Display Components Facility in Seneca Falls, New York (Site). Samples are collected because volatile organic compounds (VOCs), primarily trichloroethene (TCE), have been detected in sub-slab vapor and indoor air.

One ventilation system and two sub-slab depressurization (SSD) systems have been installed to minimize the concentrations of VOCs. The Building 9 Office Area crawl space ventilation system began operating in November 2004, the Building 11 Area SSD system in November 2005, and the Building 7 Area SSD system in October 2006.

To confirm the systems are operating as designed, a digital manometer is used to measure pressure at sub-slab monitoring points and vapor extraction wells. The measurements are used to verify that negative pressures are sustained in the crawl space and the sub-slab.

Indoor air samples are collected quarterly and sub-slab vapor samples are collected annually to monitor changes in VOC concentrations. The sample locations are shown on Figures 2 through 4.

On December 18, 2008, the following air samples were collected:

- Nine indoor air samples and one duplicate indoor air sample;
- One crawl space air sample;
- Six sub-slab vapor samples and one duplicate sub-slab vapor sample; and
- Two outdoor (ambient) air samples.

Samples were analyzed by TestAmerica Laboratories, Inc. of Burlington, Vermont for 16 site-specific VOCs using United States Environmental Protection Agency (USEPA) Method TO-15 (sub-slab vapor samples) and low level USEPA Method TO-15 (crawl space and indoor/outdoor air samples). Analytical results are provided in Tables 1 through 4 and graphically displayed on Figures 5 through 7.

Sampling, laboratory analysis, quality assurance/quality control, and data validation were conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved *Soil Vapor Intrusion Pathway Investigation Work Plan and Quality Assurance Project Plan* (Malcolm Pirnie, Inc., 2003). Data Validation Services, Inc. of North Creek, New York performed third-party data validation. Sample processing and reporting were conducted in compliance with project requirements and the data are usable as reported, or usable with minor qualification.

Contaminant Trends

The December 2008 indoor air TCE concentrations ranged from 4.7 to 46 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Concentrations are similar to concentrations in December 2007 (3.9 to 24 $\mu\text{g}/\text{m}^3$) and December 2006 (19 to 32 $\mu\text{g}/\text{m}^3$).

Building 9 Area

The TCE concentrations in the Building 9 office and Building 9 warehouse indoor air were 18 and 46 $\mu\text{g}/\text{m}^3$, respectively (Table 2), which were greater than previous sampling results at these locations.

The TCE concentration in the Building 9 crawl space ($15 \mu\text{g}/\text{m}^3$) was within the range of previous concentrations detected at this location during operation of the crawl space ventilation system (5.9 to $43 \mu\text{g}/\text{m}^3$) (Figure 5 and Table 1).

Building 11 Area

The Building 11 Area is comprised of portions of Building 11A, 10, 10A, 13, and 13A. TCE concentrations in the Building 11 Area indoor air ranged from 4.7 to $19 \mu\text{g}/\text{m}^3$ and were less than the respective December 2007 and 2006 concentration ranges of 12 to $24 \mu\text{g}/\text{m}^3$ and 19 to $32 \mu\text{g}/\text{m}^3$, respectively.

TCE concentrations in the sub-slab vapor beneath Building 11A decreased from $160,000 \mu\text{g}/\text{m}^3$ prior to SSD system operation to $86 \mu\text{g}/\text{m}^3$ in December 2008 (Figure 6). The December 2008 TCE concentration in the sub-slab vapor samples from Buildings 10, 10A, and 13 ($1,700$, 10 , and $1.6 \mu\text{g}/\text{m}^3$, respectively) were within the range of previous results. TCE was not detected in sub-slab vapor sampled from Building 13A. The Building 11 Area SSD system has sustained negative pressures in the sub-slab at effective radii of greater than 100 feet from the extraction wells.

Building 7 Area

The TCE concentration in the Building 7 indoor air was $6.4 \mu\text{g}/\text{m}^3$ (Table 3), which was similar to 2006 and 2007 sampling results (5.9 and $3.9 \mu\text{g}/\text{m}^3$, respectively).

TCE concentrations in the sub-slab vapor beneath Building 7 have decreased by two orders of magnitude from $3,300 \mu\text{g}/\text{m}^3$ prior to SSD system operation to $40 \mu\text{g}/\text{m}^3$ in December 2008 (Figure 7). The Building 7 SSD system has sustained negative pressures in the sub-slab at effective radii of greater than 45 feet from the extraction wells.

Conclusions

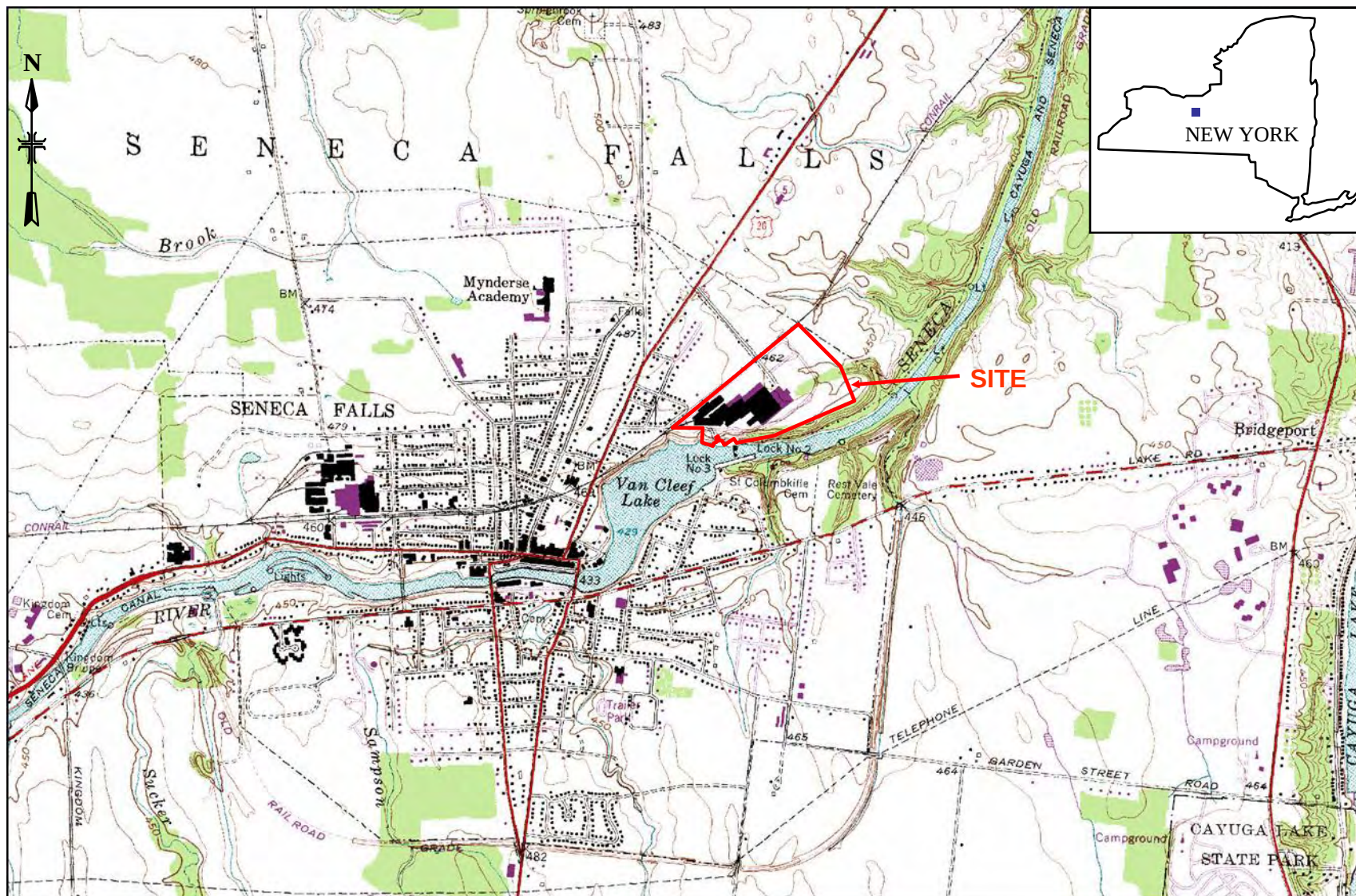
The analytical results and field measurements indicate that the systems are effective at sustaining negative differential pressures. Operation of the systems has significantly lowered the concentration of TCE and other VOCs in the sub-slab vapor, crawl space, and indoor air.

Changes in indoor air circulation may have contributed to a change in indoor air VOC concentrations in the Building 9 and 11 Areas. To address the VOC concentrations in sub-slab vapor in Building 10 and adjacent portions of Building 11, a SSD system is proposed for this area as discussed in the *Building 10 Area Sub-Slab Depressurization System Design Plan* (Malcolm Pirnie, Inc., 2009).

References

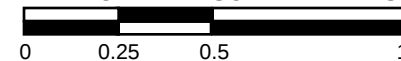
- Malcolm Pirnie, Inc. 2009. *Building 10 Area Sub-Slab Depressurization System Design Plan*. May 7, 2009.
- Malcolm Pirnie, Inc. 2003. *Soil Vapor Intrusion Pathway Investigation Work Plan and Quality Assurance Project Plan*. May 7, 2003.

Attachment B
Figures



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC SERIES, SENECA FALLS QUADRANGLE

APPROXIMATE SCALE IN MILES



LEGEND



APPROXIMATE INDOOR OR CRAWL
SPACE AIR SAMPLING LOCATION



APPROXIMATE OUTDOOR AIR
SAMPLING LOCATION



BUILDING COMPLEX

BUILDING 9



IA-B9-02

**BUILDING 9
OFFICE**



IA-B9-01



IA-B9-CS

BUILDING 4

BUILDING 6

BUILDING 3

BUILDING 5

BUILDING 7

BUILDING 12



OA-B2-01

APPROXIMATE SCALE IN FEET



LEGEND



APPROXIMATE INDOOR AIR
SAMPLING LOCATION



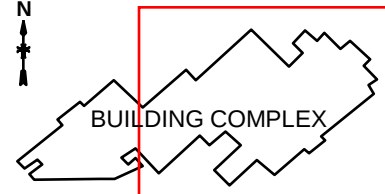
APPROXIMATE SUB-SLAB SOIL
VAPOR SAMPLING LOCATION



APPROXIMATE EXTRACTION
WELL LOCATION



APPROXIMATE
OUTDOOR/AMBIENT AIR
SAMPLING LOCATION



BUILDING COMPLEX

BUILDING 9

BUILDING 7

BUILDING 10A

BUILDING 10

BUILDING 11

BUILDING 12

BUILDING 13A

BUILDING 13

BUILDING 11A

POLE
BARN

WATER
TOWER

IA-B10A-01

SVSS-B10A-01

IA-B10-01

SVSS-B10-01

IA-B11-01

SVSS-B13-01

IA-B13-01

SVSS-B13A-01

IA-B13A-01

PW-1

PW-2

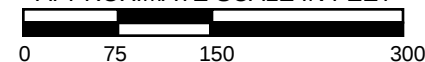
PW-3

IA-B11-02

SVSS-B11-01

OA-B11-01

APPROXIMATE SCALE IN FEET



LEGEND



APPROXIMATE INDOOR AIR
SAMPLING LOCATION



APPROXIMATE SUB-SLAB SOIL
VAPOR SAMPLING LOCATION



APPROXIMATE EXTRACTION
WELL LOCATION



APPROXIMATE
OUTDOOR/AMBIENT AIR
SAMPLING LOCATION



BUILDING COMPLEX

BUILDING 4

BUILDING 6

BUILDING 3

BUILDING 5

BUILDING 9

BUILDING 7

BUILDING 12

EW-1

SVSS-B7-01

IA-B7-01

EW-2

FORMER TRAIN SHED



OA-B2-01

APPROXIMATE SCALE IN FEET



Figure 5: Building 9 Area TCE Concentrations

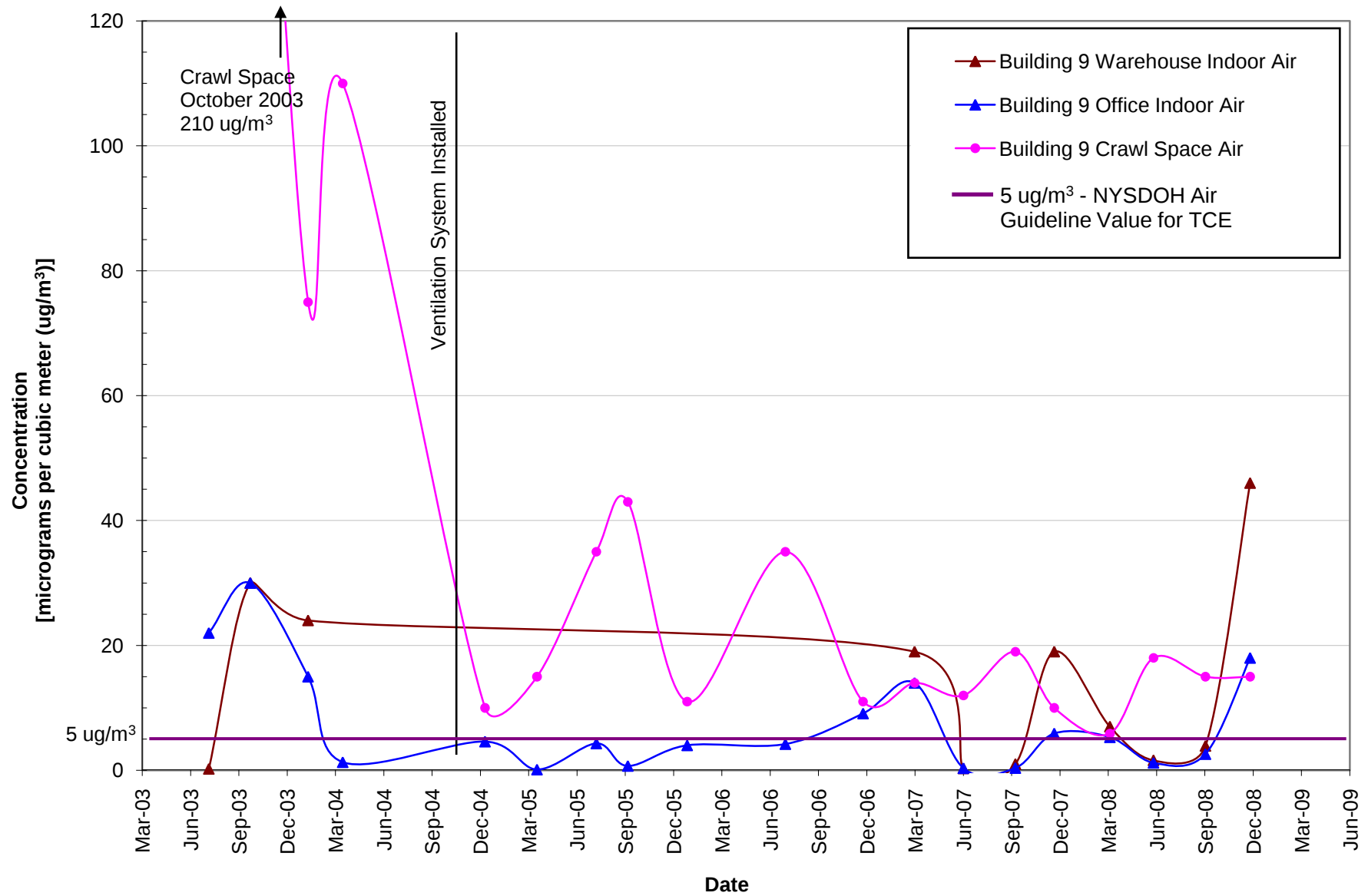


Figure 6: Building 11 Area TCE Concentrations

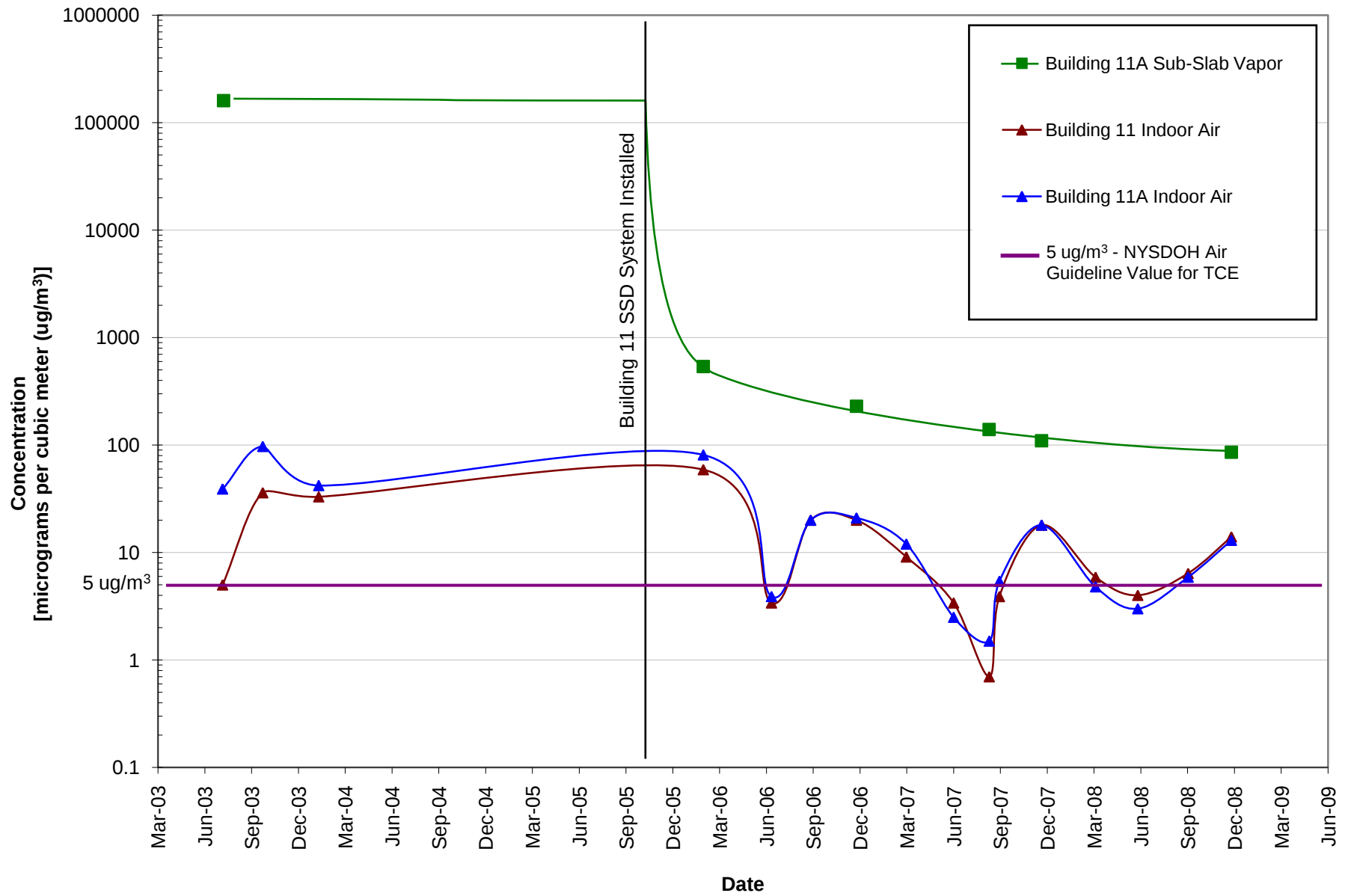
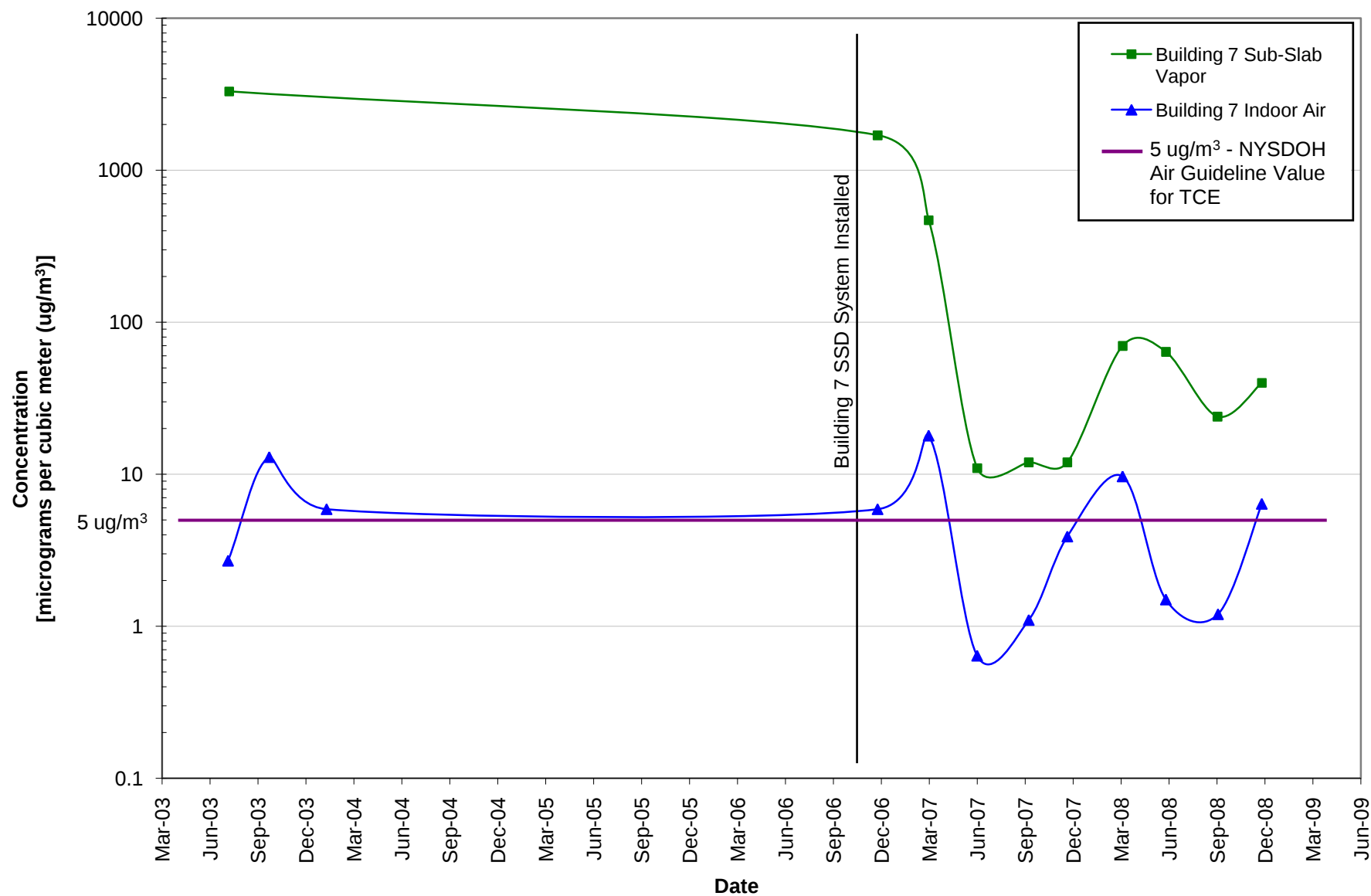


Figure 7: Building 7 Area TCE Concentrations



Attachment C

Tables

Table 1
Building 9 Area Analytical Data Summary
Former Philips Display Facility - Seneca Falls, New York

Sample Description	BUILDING 9 OFFICE INDOOR AIR																		
Sample ID	IA-B9-01																		
Date Collected	7/15/2003	10/2/2003	1/20/2004	3/26/2004	12/22/2004	3/31/2005	7/22/2005	9/20/2005	1/11/2006	7/17/2006	12/12/2006	3/20/2007	6/21/2007	9/28/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	0.22	0.55 U	0.27 U	0.15 U	0.17	0.076	0.10	0.12	0.13	0.23	0.21	0.44	0.065	0.071	0.25	0.14	0.22 U	0.18	0.34
1,1,2,2-Tetrachloroethane	0.14 U	0.69 U	0.34 U	0.069 U	0.069 U	0.069 U	0.069 U	0.14 U	0.069 U	0.21 U	0.14 U	0.27 U	0.069 U	0.069 U	0.10 U	0.14 U	0.27 U	0.069 U	0.38 UJ
1,1,2-Trichloroethane	0.10 U	0.55 U	0.27 U	0.055 U	0.055 U	0.055 U	0.055 U	0.11 U	0.055 U	0.16 U	0.11 U	0.22 U	0.055 U	0.055 U	0.082 U	0.11 U	0.22 U	0.055 U	0.31 U
1,1-Dichloroethane	0.080 U	0.40 U	0.20 U	0.040 U	0.040 U	0.040 U	0.040 U	0.081 U	0.040 U	0.12 U	0.081 U	0.16 U	0.040 U	0.040 U	0.061 U	0.081 U	0.160 U	0.040 U	0.230 U
1,1-Dichloroethene	0.040 U	0.40 U	0.20 U	0.040 U	0.040 U	0.040 U	0.040 U	0.16 U	0.040 U	0.12 U	0.079 U	0.16 U	0.040 U	0.040 U	0.059 U	0.079 U	0.160 U	0.040 U	0.220 U
1,2-Dichloroethane	0.087	0.40 U	0.20 U	0.093	0.077	0.049	0.04 U	0.081 U	0.093	0.34	0.16 U	0.32 U	0.081 U	0.081 U	0.12 U	0.16 U	0.32 U	0.081 U	0.45 U
Benzene	1.3	2.2	2.3	2.7	2.7	0.77	2.0	1.3	3.5	3.1	2.9	3.1	0.42	0.51	1.5	1.4	0.61	0.51	2.8
cis-1,2-Dichloroethene	0.22	0.67	0.2 U	0.38	0.27	0.04 U	0.16	0.16	0.17	1.1	0.27	0.52	0.040 NJ	0.040 U	0.31	0.40	0.52	0.075	0.67 NJ
Ethylbenzene	1.4	1.1	2.7	0.91	0.87	0.28	2.9	0.96	2.0	4.0	1.3	1.1	0.43	0.32	0.52	0.48	0.69	0.43	1.4
Tetrachloroethene	0.77	0.68 U	0.75	0.6	3.1	0.088	0.52	2.6	0.51	8.8	2.0	2.0	0.35	0.31	1.6	0.52	1.1	1.6	0.38 U
Toluene	9.6	4.1	11	7.5	5.7	1.4	9.4	2.9	9.4	10	6.8	4.5	1.5	1.8	3.1	4.1	11	2.8	8.3
trans-1,2-Dichloroethene	0.056 U	0.40 U	0.20 U	0.040 U	0.040 U	0.040 U	0.040 U	0.079 U	0.04 U	0.12 U	0.079 U	0.16 U	0.040 U	0.040 U	0.059 U	0.079 U	0.160 U	0.040 U	0.220 U
Trichloroethene	22	30	15	1.3	4.6	0.12	4.3	0.70	4.0	4.2	9.1	14	0.34	0.37	5.9	5.3	1.2	2.6	18
Vinyl chloride	0.020 U	0.26 U	0.13 U	0.026 U	0.028	0.026 U	0.026 U	0.051 U	0.026 U	0.15 U	0.1 U	0.2 U	0.051 U	0.051 U	0.077 U	0.10 U	0.20 U	0.051 U	0.28 U
m-Xylene & p-Xylene	5.0	2.8	10	3.1	3.3	0.91	8.3	3.6	5.6	18	4.3	3.8	1.8	1.0	1.6	1.8	2.6	1.6	5.2
o-Xylene	2.0	1.2	3.2	1.2	1.2	0.33	2.4	1.2	3.0	6.5	1.6	1.3	0.61	0.36	0.56	0.65	0.91	0.56	1.8

Sample Description	BUILDING 9 CRAWL SPACE AIR																		
Sample ID	IA-B9-CS																		
Date Collected	7/15/2003	10/2/2003	1/20/2004	3/26/2004	12/22/2004	3/31/2005	7/22/2005	9/20/2005	1/11/2006	7/17/2006	12/12/2006	3/20/2007	6/21/2007	9/28/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
Differential Pressure (inches water)	NA	NA	NA	NA	-0.03	-0.07	-0.15*	-0.15	-0.15	-0.15	-0.15	-0.11	-0.10	-0.08	-0.04	-0.03	-0.03	-0.03	-0.03
1,1,1-Trichloroethane	NS	0.55 U	0.27 U	0.18	0.14	0.040 U	0.093	0.55 U	0.12	0.44 U	0.17	0.27	0.22 U	0.27 U	0.16 U	0.082 U	0.27 U	0.22 U	0.22 U
1,1,2,2-Tetrachloroethane	NS	0.69 U	0.34 U	0.069 U	0.069 U	0.069 U	0.069 U	0.69 U	0.069 U	0.55 U	0.21 U	0.21 U	0.27 U	0.34 U	0.21 U	0.10 U	0.34 U	0.27 U	0.27 UJ
1,1,2-Trichloroethane	NS	0.55 U	0.27 U	0.055 U	0.055 U	0.055 U	0.055 U	0.55 U	0.055 U	0.44 U	0.16 U	0.16 U	0.22 U	0.27 U	0.16 U	0.082 U	0.27 U	0.22 U	0.22 U
1,1-Dichloroethane	NS	0.40 U	0.20 U	0.040 U	0.040 U	0.040 U	0.040 U	0.40 U	0.040 U	0.32 U	0.12 U	0.12 U	0.16 U	0.20 U	0.12 U	0.061 U	0.200 U	0.16 U	0.16 U
1,1-Dichloroethene	NS	0.40 U	0.20 U	0.040 U	0.040 U	0.040 U	0.040 U	0.79 U	0.040 U	0.32 U	0.12 U	0.12 U	0.16 U	0.20 U	0.12 U	0.059 U	0.200 U	0.16 U	0.16 U
1,2-Dichloroethane	NS	0.40 U	0.20 U	0.081	0.057	0.040	0.040 U	0.40 U	0.040 U	0.65 U	0.24 U	0.24 U	0.32 U	0.40 U	0.24 U	0.12 U	0.40 U	0.32 U	0.32 U
Benzene	NS	0.64	1.6	1.7	1.7	0.51	0.96	0.96	2.4	2.9	2.8	2.1	0.13 U	0.38	1.1	1.1	0.42	0.38	1.6
cis-1,2-Dichloroethene	NS	1.6	0.95 NJ	2.4	0.24	0.19	0.87	1.1	0.29	1.2	0.29	0.56	0.44	0.48	0.21	0.23	0.87	0.18 NJ	0.31 NJ
Ethylbenzene	NS	0.48	1.4	0.78	0.61	0.22	1.7	0.83	1.2	3.5	1.6	0.65	0.17 U	0.24	0.32	0.38	0.56	0.25	0.78
Tetrachloroethene	NS	0.88	0.54	3.7	1.2	0.14	0.41	1.4	0.35	4.8	1.5	1.0	0.27 U	0.55	0.75	0.23	0.62	0.37	0.27 U
Toluene	NS	1.3	7.2	9.8	4.1	0.90	4.5	3.0	6.4	16	7.5	3.1	0.15 U	0.87	1.9	2.8	3.5	1.8	4.5
trans-1,2-Dichloroethene	NS	0.40 U	0.20 U	0.040 U	0.040 U	0.040 U	0.040 U	0.40 U	0.040 U	0.32 U	0.12 U	0.12 U	0.16 U	0.20 U	0.12 U	0.059 U	0.200 U	0.16 U	0.16 U
Trichloroethene	NS	210	75	110	10	15	35	43	11	35	11	14	12	19	10	5.9	18	15	15
Vinyl chloride	NS	0.26 U	0.13 U	0.026 U	0.026 U	0.026 U	0.026 U	0.26 U	0.026 U	0.41 U	0.15 U	0.15 U	0.20 U	0.26 U	0.15 U	0.077 U	0.260 U	0.20 U	0.20 U
m-Xylene & p-Xylene	NS	1.2	4.8	2.7	2.1	0.65	5.2	3.0	3.8	15	5.2	2.4	0.35 U	0.61	1.0	1.3	1.9	0.87	2.6
o-Xylene	NS	0.52	1.7	1.1	0.87	0.22	2.7	1.0	1.6	5.6	1.9	0.83	0.17 U	0.25	0.40	0.48	0.65	0.33	0.96

Notes:

All values are shown in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

U - Not detected above reporting limit

NA - Not Applicable

NJ - Tentative in identification and estimated in value due to poor mass spectral quality

NS - Not Sampled

* - This differential pressure was maintained during the sampling event, but the ventilation system operated intermittently and was inoperable for one week prior to the sampling event.

Table 1
Building 9 Area Analytical Data Summary
Former Philips Display Facility - Seneca Falls, New York

Sample Description	BUILDING 9 WAREHOUSE INDOOR AIR										
Sample ID	IA-B9-02										
Date Collected	7/15/2003	10/2/2003	1/20/2004	3/20/2007	6/21/2007	9/28/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	0.15	0.55 U	0.41 U	0.49	0.055 U	0.060	0.33 U	0.14	0.10	0.11 U	0.55 U
1,1,2,2-Tetrachloroethane	0.14 U	0.69 U	0.51 U	0.34 U	0.069 U	0.069 U	0.41 U	0.14 U	0.069 U	0.14 U	0.69 UJ
1,1,2-Trichloroethane	0.10 U	0.55 U	0.41 U	0.27 U	0.055 U	0.055 U	0.33 U	0.11 U	0.055 U	0.11 U	0.55 U
1,1-Dichloroethane	0.080 U	0.40 U	0.30 U	0.20 U	0.040 U	0.040 U	0.24 U	0.081 U	0.040 U	0.081 U	0.40 U
1,1-Dichloroethene	0.040 U	0.40 U	0.30 U	0.20 U	0.040 U	0.040 U	0.24 U	0.079 U	0.040 U	0.079 U	0.40 U
1,2-Dichloroethane	0.080 U	0.40 U	0.30 U	0.40 U	0.081 U	0.081 U	0.49 U	0.16 U	0.081 U	0.16 U	0.81 U
Benzene	1.1	3.1	5.1	3.8	0.45	0.51	2.5	0.83	0.58	0.83	4.8
cis-1,2-Dichloroethene	0.056 U	2.2	3.0	0.87	0.083 NJ	0.040 U	0.99	1.1	0.79	0.14	1.8 NJ
Ethylbenzene	0.35	0.65	16	1.1	0.48	0.20	0.74	0.087 U	0.83	0.52	2.0
Tetrachloroethene	1.9	2.0	7.5	2.8	0.39	0.21	5.5	0.14	0.56	12	0.68 U
Toluene	2.1	2.4	9.8	3.8	2.1	0.83	4.5	0.21	2.3	3.0	12
trans-1,2-Dichloroethene	0.056 U	0.40 U	0.30 U	0.20 U	0.040 U	0.040 U	0.24 U	0.079 U	0.040 U	0.079 U	0.40 U
Trichloroethene	0.22	30	24	19	0.30	1.0	19	7.0	1.6	3.9	46
Vinyl chloride	0.020 U	0.26 U	0.19 U	0.26 U	0.051 U	0.051 U	0.31 U	0.10 U	0.051 U	0.1 U	0.51 U
m-Xylene & p-Xylene	0.93	1.7	65	3.6	1.4	0.43	2.4	0.17 U	2.8	1.7	6.9
o-Xylene	0.34	0.61	16	1.1	0.37	0.15	0.87	0.087 U	0.91	0.56	2.7

Notes:

All values are shown in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

U - Not detected above reporting limit

NA - Not Applicable

NJ - Tentative in identification and estimated in value due to poor mass spectral quality

Table 2
Building 11 Area Analytical Data Summary
Former Philips Display Components Facility - Seneca Falls, New York

Sample Description	BUILDING 10 INDOOR AIR														
Sample ID	IA-B10-01														
Date Collected	7/15/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	0.20	1.4	0.50	0.55	0.25	0.29 NJ	1.0	0.76	0.13	0.082	0.65 J	0.27	0.24	0.14 U	0.55 U
1,1,2,2-Tetrachloroethane	0.14 U	0.69 U	0.34 U	0.069 U	0.27 U	0.27 U	0.55 U	0.27 U	0.069 U	0.069 U	0.55 U	0.17 U	0.17 U	0.17 U	0.69 UJ
1,1,2-Trichloroethane	0.10 U	0.55 U	0.27 U	0.055 U	0.22 U	0.22 U	0.44 U	0.22 U	0.055 U	0.055 U	0.44 U	0.14 U	0.14 U	0.14 U	0.55 U
1,1-Dichloroethane	0.08 U	0.4 U	0.20 U	0.040 UJ	0.16 U	0.16 U	0.32 U	0.16 U	0.040 U	0.040 U	0.32 U	0.10 U	0.10 U	0.10 U	0.40 U
1,1-Dichloroethene	0.04 U	0.4 U	0.20 U	0.075	0.16 U	0.16 U	0.32 U	0.16 U	0.040 U	0.040 U	0.32 U	0.099 U	0.099 U	0.099 U	0.40 U
1,2-Dichloroethane	0.08 U	0.4 U	0.20 U	0.040 U	0.32 U	0.32 U	0.65 U	0.32 U	0.081 U	0.081 U	0.65 U	0.20 U	0.20 U	0.20 U	0.81 U
Benzene	0.90	3.1	3.5	3.8	3.2	2.2	7.0	6.4	0.67	0.58	2.6	2.8	0.77	0.70	4.2
cis-1,2-Dichloroethene	0.70	4.0	4.4	1.4	4.0	0.95 NJ	2.6	1.9	0.63	0.38	2.8	2.5	3.2	0.75	2.9
Ethylbenzene	0.59	0.91	6.9	1.7	1.6	0.65	2.4	1.0	0.39	0.24	0.74	0.74	1.90	0.42	1.7
Tetrachloroethene	6.4	5.2	8.1	22	20	4.1	10	6.2	2.5	0.43	9.5	2.8	1.7	12	1.0
Toluene	4.3	5.3	8.7	4.9 J	4.5	3.5	9.4	6.0 J	1.6	1.1	3.8	4.5	2.6	2.2	11
trans-1,2-Dichloroethene	0.056 U	0.40 U	0.20 U	0.044	0.16 U	0.16 U	0.32 U	0.16 U	0.040 U	0.040 U	0.32 U	0.099 U	0.099 U	0.099 U	0.40 U
Trichloroethene	4.0	30	26	45	9.7	15	32	17	2.4	3.0	24	10	5.4	4.3	37
Vinyl chloride	0.020 U	0.26 U	0.13 U	0.074 J	0.20 U	0.20 U	0.41 U	0.20 U	0.051 U	0.051 U	0.41 U	0.13 U	0.13 U	0.13 U	0.51 U
m,p-Xylene	1.8	2.8	29	4.3	6.1	2.0	6.9	3.5	1.3	0.61	2.5	2.8	6.9	1.4	6.5
o-Xylene	0.69	1.0	6.9	2.3	2.5	0.74	2.5	1.1	0.43	0.21	0.91	0.87	2.3	0.52	2.1

Building Number	BUILDING 10 SUB-SLAB VAPOR														
Sample ID	SVSS-B10-01														
Date Collected	7/17/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	26 U	NS	NS	11 U	NS	NS	16 U	NS	NS	NS	11 U	NS	NS	NS	8.7 U
1,1,2,2-Tetrachloroethane	32 U	NS	NS	14 U	NS	NS	21 U	NS	NS	NS	14 U	NS	NS	NS	11 U
1,1,2-Trichloroethane	26 U	NS	NS	11 U	NS	NS	16 U	NS	NS	NS	11 U	NS	NS	NS	8.7 U
1,1-Dichloroethane	19 U	NS	NS	8.1 U	NS	NS	12 U	NS	NS	NS	8.1 U	NS	NS	NS	6.5 U
1,1-Dichloroethene	19 U	NS	NS	7.9 U	NS	NS	12 U	NS	NS	NS	7.9 U	NS	NS	NS	6.3 U
1,2-Dichloroethane	19 U	NS	NS	8.1 U	NS	NS	12 U	NS	NS	NS	8.1 U	NS	NS	NS	6.5 U
Benzene	15 U	NS	NS	6.4 U	NS	NS	9.6 U	NS	NS	NS	6.4 U	NS	NS	NS	5.1 U
cis-1,2-Dichloroethene	38	NS	NS	11	NS	NS	26	NS	NS	NS	14	NS	NS	NS	6.7 NJ
Ethylbenzene	20 U	NS	NS	8.7 U	NS	NS	13 U	NS	NS	NS	8.7 U	NS	NS	NS	6.9 U
Tetrachloroethene	32 U	NS	NS	14 U	NS	NS	20 U	NS	NS	NS	14 U	NS	NS	NS	11 U
Toluene	18 U	NS	NS	7.5 U	NS	NS	11 U	NS	NS	NS	7.5 U	NS	NS	NS	6.0 U
trans-1,2-Dichloroethene	19 U	NS	NS	7.9 U	NS	NS	12 U	NS	NS	NS	7.9 U	NS	NS	NS	6.30 U
Trichloroethene	2700	NS	NS	1100	NS	NS	3200	NS	NS	NS	1800	NS	NS	NS	1700
Vinyl chloride	12 U	NS	NS	5.1 U	NS	NS	7.7 U	NS	NS	NS	5.1 U	NS	NS	NS	4.1 U
m,p-Xylene	20 U	NS	NS	22 U	NS	NS	33 U	NS	NS	NS	22 U	NS	NS	NS	17 U
o-Xylene	21 U	NS	NS	8.7 U	NS	NS	13 U	NS	NS	NS	8.7 U	NS	NS	NS	6.9 U

Notes:

All values are shown in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

U - Not detected above reporting limit

J - Estimated

NJ - Tentative in identification and estimated in value due to poor mass spectral quality

NS - Not Sampled

Table 2
Building 11 Area Analytical Data Summary
Former Philips Display Components Facility - Seneca Falls, New York

Sample Description	BUILDING 10A INDOOR AIR														
Sample ID	IA-B10A-01														
Date Collected	7/15/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	0.30	1.1	0.49	0.49	0.29	0.34	1.4	0.76	0.21	0.27	0.82 J	0.28	0.19	0.19	0.51
1,1,2,2-Tetrachloroethane	0.14 U	0.34 U	0.21 U	0.069 U	0.34 U	0.14 U	0.55 U	0.27 U	0.069 U	0.082 U	0.41 U	0.14 U	0.14 U	0.10 U	0.41 UJ
1,1,2-Trichloroethane	0.10 U	0.27 U	0.16 U	0.055 U	0.27 U	0.11 U	0.44 U	0.22 U	0.055 U	0.065 U	0.33 U	0.11 U	0.11 U	0.082 U	0.33 U
1,1-Dichloroethane	0.08 U	0.20 U	0.12 U	0.040 UJ	0.20 U	0.081 U	0.32 U	0.16 U	0.040 U	0.049 U	0.24 U	0.081 U	0.081 U	0.061 U	0.24 U
1,1-Dichloroethene	0.04 U	0.20 U	0.12 U	0.056	0.20 U	0.079 U	0.32 U	0.16 U	0.040 U	0.048 U	0.24 U	0.079 U	0.079 U	0.059 U	0.24 U
1,2-Dichloroethane	0.08 U	0.20 U	0.15	0.040 U	0.40 U	0.16 U	0.65 U	0.32 U	0.081 U	0.10 U	3.1 J	0.16 U	0.16 U	0.12 U	0.49 U
Benzene	2.3	1.5	2.7	2.8	2.7	1.4	7.7	3.8	0.64	0.70	2.6	2.7	0.64	0.83	3.5
cis-1,2-Dichloroethene	0.89	2.2	4.8	1.1	4.8	0.38 NJ	3.0	1.9	1.3	1.2	3.3	3.2	1.4	1.5	3.3
Ethylbenzene	2.1	0.65	2.3	1.3	2.3	0.69	2.8	0.78	0.52	0.42	0.78	0.87	1.4 NJ	0.48	1.5
Tetrachloroethene	7.6	2.7	5.4	6.0	22	3.0	12	6.1	3.2	0.81	12	2.6	1.2	3.1	1.3
Toluene	11	3.3	6.0	3.8 J	6.4	2.8	10	4.9 J	2.4	1.5	4.1	4.5	2.1	2.3	8.7
trans-1,2-Dichloroethene	0.056 U	0.20 U	0.12 U	0.040 U	0.20 U	0.079 U	0.32 U	0.16 U	0.040 U	0.048 U	0.24 U	0.079 U	0.079 U	0.059 U	0.24 U
Trichloroethene	4.5	12	19	32	9.1	7.0	32	15	3.0	4.9	23	9.7	2.8	4.8	19
Vinyl chloride	0.020 U	0.13 U	0.10 NJ	0.066 J	0.26 U	0.10 U	0.41 U	0.20 U	0.051 U	0.064 U	0.31 U	0.10 U	0.10 U	0.077 U	0.31 U
m,p-Xylene	7.5	2.0	9.1	3.4	9.1	2.3	7.8	2.9	1.7	1.3	2.2	3.2	5.2	1.8	6.1
o-Xylene	2.7	0.74	2.4	1.8	3.6	0.78	2.5	1.0	0.56	0.48	0.69	1.1	1.8	0.65	1.9

Building Number	BUILDING 10A SUB-SLAB VAPOR														
Sample ID	SVSS-B10A-01														
Date Collected	7/17/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	14	NS	NS	11 U	NS	NS	3.4	NS	NS	NS	1.1	NS	NS	NS	2.5
1,1,2,2-Tetrachloroethane	3.2 U	NS	NS	14 U	NS	NS	1.4 U	NS	NS	NS	1.4 U	NS	NS	NS	1.4 U
1,1,2-Trichloroethane	2.3 U	NS	NS	11 U	NS	NS	1.1 U	NS	NS	NS	1.1 U	NS	NS	NS	1.1 U
1,1-Dichloroethane	2.5	NS	NS	8.1 U	NS	NS	2.1	NS	NS	NS	0.81 U	NS	NS	NS	1.50
1,1-Dichloroethene	0.9 U	NS	NS	7.9 U	NS	NS	0.79 U	NS	NS	NS	0.79 U	NS	NS	NS	0.79 U
1,2-Dichloroethane	1.8 U	NS	NS	8.1 U	NS	NS	0.81 U	NS	NS	NS	0.81 U	NS	NS	NS	0.81 U
Benzene	3.4 U	NS	NS	6.4 U	NS	NS	0.64 U	NS	NS	NS	0.64 U	NS	NS	NS	0.64 U
cis-1,2-Dichloroethene	10	NS	NS	7.9 U	NS	NS	0.79 U	NS	NS	NS	0.79 U	NS	NS	NS	0.79 U
Ethylbenzene	2 U	NS	NS	8.7 U	NS	NS	0.87 U	NS	NS	NS	0.87 U	NS	NS	NS	0.87 U
Tetrachloroethene	920	NS	NS	44	NS	NS	140	NS	NS	NS	81	NS	NS	NS	95
Toluene	3.2	NS	NS	7.5 U	NS	NS	2.6	NS	NS	NS	0.75 U	NS	NS	NS	0.75 U
trans-1,2-Dichloroethene	1.3 U	NS	NS	7.9 U	NS	NS	0.79 U	NS	NS	NS	0.79 U	NS	NS	NS	0.79 U
Trichloroethene	120	NS	NS	11 U	NS	NS	20	NS	NS	NS	9.1	NS	NS	NS	10
Vinyl chloride	0.45 U	NS	NS	5.1 U	NS	NS	0.51 U	NS	NS	NS	0.51 U	NS	NS	NS	0.51 U
m,p-Xylene	3.8 U	NS	NS	22 U	NS	NS	2.2 U	NS	NS	NS	2.2 U	NS	NS	NS	2.2 U
o-Xylene	2 U	NS	NS	8.7 U	NS	NS	0.87 U	NS	NS	NS	0.9 U	NS	NS	NS	0.87 U

Notes:

All values are shown in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

U - Not detected above reporting limit

J - Estimated

NJ - Tentative in identification and estimated in value due to poor mass spectral quality

NS - Not Sampled

Table 2
Building 11 Area Analytical Data Summary
Former Philips Display Components Facility - Seneca Falls, New York

Sample Description	BUILDING 11 INDOOR AIR															
Sample ID	IA-B11-01															
Date Collected	7/15/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	8/30/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	0.29	2.0	0.65	0.65	0.24	0.40	0.82	0.87	0.25	0.093	0.15	0.87 J	0.25	0.25	0.16	0.60
1,1,2,2-Tetrachloroethane	0.14 U	0.69 U	0.51 U	0.069 U	0.27 U	0.34 U	0.27 U	0.21 U	0.10 U	0.069 U	0.069 U	0.34 U	0.12 U	0.12 U	0.10 U	0.21 UJ
1,1,2-Trichloroethane	0.10 U	0.55 U	0.41 U	0.055 U	0.22 U	0.27 U	0.22 U	0.16 U	0.082 U	0.055 U	0.055 U	0.27 U	0.093 U	0.093 U	0.082 U	0.16 U
1,1-Dichloroethane	0.080 U	0.40 U	0.30 U	0.040 UJ	0.16 U	0.20 U	0.16 U	0.12 U	0.061 U	0.04 U	0.040 U	0.20 U	0.069 U	0.069 U	0.061 U	0.12 U
1,1-Dichloroethene	0.040 U	0.40 U	0.30 U	0.099	0.16 U	0.20 U	0.16 U	0.23 J	0.059 U	0.04 U	0.040 U	0.20 U	0.067 U	0.067 U	0.059 U	0.15 NJ
1,2-Dichloroethane	0.080 U	0.40 U	0.30 U	0.040 U	0.32 U	0.40 U	0.32 U	0.24 U	0.12 U	0.081 U	0.081 U	0.40 U	0.14 U	0.13 U	0.12 U	0.24 U
Benzene	1.1	3.8	3.2	3.0	2.1	2.6	7.0	4.5	0.89	0.58	0.77	2.9	2.4	1.2	0.96	2.9
cis-1,2-Dichloroethene	0.55	4.8	2.5	1.6	0.91	0.83 NJ	1.6	1.5	1.2	0.25	0.52	2.3	1.2	2.1	0.95	1.9
Ethylbenzene	1.4	1.0	3.0	1.9	1.6	0.74	2.6	1.1	0.69	0.52	0.30	1.0	0.91	1.80	0.19	1.1
Tetrachloroethene	7.8	6.8	4.7	6.6	14	6.0	6.4	3.5	7.5	1.8	0.75	8.8	1.5	2.7	1.8	0.64
Toluene	12	11	6.0	5.3 J	3.7	3.6	11	7.5	2.2	1.5	1.2	5.3	5.3	2.5	1.4	5.3
trans-1,2-Dichloroethene	0.056 U	0.40 U	0.30 U	0.040 U	0.16 U	0.20 U	0.16 U	0.12 U	0.059 U	0.04 U	0.040 U	0.20 U	0.067 U	0.067 U	0.059 U	0.12 U
Trichloroethene	5.0	36	33	59	3.4	20	20	9.1	3.4	0.70	3.9	18	5.9	4.0	6.4	14
Vinyl chloride	0.020 U	0.26 U	0.19 U	0.064 J	0.20 U	0.26 U	0.20 U	0.15 U	0.077 U	0.051 U	0.051 U	0.26 U	0.087 U	0.084 U	0.077 U	0.15 U
m,p-Xylene	3.5	3.0	11	4.3	7.4	2.2	7.4	4.3	2.2	1.4	0.91	3.7	3.5	6.9	0.25	3.8
o-Xylene	1.2	1.0	2.9	2.6	2.9	0.83	2.4	1.4	0.83	0.52	0.31	1.3	1.2	2.3	0.078	1.3

Notes:

All values are shown in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

U - Not detected above reporting limit

J - Estimated

NJ - Tentative in identification and estimated in value due to poor mass spectral quality

Table 2
Building 11 Area Analytical Data Summary
Former Philips Display Components Facility - Seneca Falls, New York

Sample Description	BUILDING 11A INDOOR AIR															
Sample ID	IA-B11-02															
Date Collected	7/15/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	8/30/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	0.56	2.2	0.65	0.65	0.23	0.49	0.87	0.98	0.22	0.11	0.21	0.82 J	0.23	0.21	0.15	0.49
1,1,2,2-Tetrachloroethane	0.14 U	0.69 U	0.34 U	0.069 U	0.21 U	0.34 U	0.27 U	0.21 U	0.096 U	0.069 U	0.10 U	0.34 U	0.21 U	0.21 U	0.10 U	0.27 UJ
1,1,2-Trichloroethane	0.10 U	0.55 U	0.27 U	0.055 U	0.16 U	0.27 U	0.22 U	0.16 U	0.076 U	0.055 U	0.082 U	0.27 U	0.16 U	0.16 U	0.082 U	0.22 U
1,1-Dichloroethane	0.08 U	0.40 U	0.20 U	0.040 UJ	0.12 U	0.20 U	0.16 U	0.12 U	0.057 U	0.04 U	0.061 U	0.20 U	0.12 U	0.12 U	0.061 U	0.16 U
1,1-Dichloroethene	0.04 U	0.40 U	0.20 U	0.079	0.12 U	0.20 U	0.16 U	0.12 U	0.056 U	0.04 U	0.059 U	0.20 U	0.12 U	0.12 U	0.059 U	0.16 U
1,2-Dichloroethane	0.08 U	0.40 U	0.20 U	0.040 U	0.24 U	0.40 U	0.32 U	0.24 U	0.12 U	0.081 U	0.12 U	0.40 U	0.24 U	0.24 U	0.12 U	0.32 U
Benzene	1.6	3.5	3.0	4.2	1.9	2.9	7.3	4.8	1.2	0.61	0.80	3.8	3.1	1.1	1.2	3.2
cis-1,2-Dichloroethene	1.8	5.6	3.0	1.5	1.1	1.1 NJ	2.0	1.7	0.71	0.39	0.79	2.3	1.1	1.3	0.87	2.1
Ethylbenzene	4.7	1.0	3.0	2.0	1.8	0.91	2.6	1.3	0.87	0.74	0.52	1.1	1.0	2.2 NJ	1.0	1.4
Tetrachloroethene	18	8.1	5.4	14 J	14	6.8	6.8	4.5	5.6	3	1.3	8.8	1.3	1.2	0.75	0.68
Toluene	10	9.8	6	7.5 J	4.5	3.8	9.8	7.9	2.9	2.1	2.1	7.5	7.9	2.9	3.0	6.8
trans-1,2-Dichloroethene	0.056 U	0.40 U	0.20 U	0.040 U	0.12 U	0.20 U	0.16 U	0.12 U	0.056 U	0.04 U	0.059 U	0.20 U	0.12 U	0.12 U	0.059 U	0.16 U
Trichloroethene	39	97	42	81	3.9	20	21	12	2.5	1.5	5.4	18	4.8	3.0	5.9	13
Vinyl chloride	0.020 U	0.26 U	0.13 U	0.072 J	0.15 U	0.26 U	0.20 U	0.15 U	0.074 U	0.051 U	0.077 U	0.26 U	0.15 U	0.15 U	0.077 U	0.20 U
m,p-Xylene	15	3.2	12	6.9 J	6.9	2.8	6.9	4.8	2.9	2.4	2.0	4.1	3.8	8.7	4.0	5.2
o-Xylene	3.7	1.0	3.0	3.0 J	2.9	1.1	2.3	1.6	1.0	0.78	0.61	1.4	1.3	2.8	1.7	1.8

Sample Description	BUILDING 11A SUB-SLAB VAPOR															
Sample ID	SVSS-B11-01															
Date Collected	7/17/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	8/30/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	1900 U	NS	NS	11 U	NS	NS	1.6 U	NS	NS	1.1 U	1.6 U	1.1 U	NS	NS	NS	1.1 U
1,1,2,2-Tetrachloroethane	2400 U	NS	NS	14 U	NS	NS	2.1 U	NS	NS	1.4 U	2.1 U	1.4 U	NS	NS	NS	1.4 U
1,1,2-Trichloroethane	1900 U	NS	NS	11 U	NS	NS	1.6 U	NS	NS	1.1 U	1.6 U	1.1 U	NS	NS	NS	1.1 U
1,1-Dichloroethane	1400 U	NS	NS	8.1 U	NS	NS	1.2 U	NS	NS	0.81 U	1.2 U	0.81 U	NS	NS	NS	0.81 U
1,1-Dichloroethene	1400 U	NS	NS	7.9 U	NS	NS	1.2 U	NS	NS	0.79 U	1.2 U	0.79 U	NS	NS	NS	0.79 U
1,2-Dichloroethane	1400 U	NS	NS	8.1 U	NS	NS	1.2 U	NS	NS	0.81 U	1.2 U	0.81 U	NS	NS	NS	0.81 U
Benzene	1100 U	NS	NS	6.4 U	NS	NS	0.96 U	NS	NS	0.64 U	0.96 U	0.64 U	NS	NS	NS	0.64 U
cis-1,2-Dichloroethene	2600	NS	NS	11	NS	NS	12	NS	NS	6.7	17	10	NS	NS	NS	11
Ethylbenzene	1500 U	NS	NS	8.7 U	NS	NS	1.3 U	NS	NS	0.87 U	1.3 U	0.87 U	NS	NS	NS	0.87 U
Tetrachloroethene	3700	NS	NS	31	NS	NS	18	NS	NS	16	20	12	NS	NS	NS	6.1
Toluene	1300 U	NS	NS	7.5 U	NS	NS	3.4 J	NS	NS	0.75 U	1.1 U	0.75 U	NS	NS	NS	0.75 U
trans-1,2-Dichloroethene	1400 U	NS	NS	7.9 U	NS	NS	1.2 U	NS	NS	0.79 U	1.2 U	0.79 U	NS	NS	NS	0.79 U
Trichloroethene	160000	NS	NS	540	NS	NS	230	NS	NS	140	240	110	NS	NS	NS	86
Vinyl chloride	900 U	NS	NS	5.1 U	NS	NS	0.77 U	NS	NS	0.51 U	0.77 U	0.51 U	NS	NS	NS	0.51 U
m,p-Xylene	1500 U	NS	NS	22 U	NS	NS	3.3 U	NS	NS	2.2 U	3.3 U	2.2 U	NS	NS	NS	2.2 U
o-Xylene	1600 U	NS	NS	8.7 U	NS	NS	1.3 U	NS	NS	0.87 U	1.3 U	0.87 U	NS	NS	NS	0.87 U

Notes:

All values are shown in units of micrograms per cubic meter (µg/m³).

U - Not detected above reporting limit

J - Estimated

NJ - Tentative in identification and estimated in value due to poor mass spectral quality

NS - Not Sampled

Table 2
Building 11 Area Analytical Data Summary
Former Philips Display Components Facility - Seneca Falls, New York

Sample Description	BUILDING 13 INDOOR AIR														
Sample ID	IA-B13-01														
Date Collected	7/15/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	0.55	2.8	1.0	1.0	0.22 U	1.6	1.1	0.82	0.38	0.45	0.87 J	0.20	0.21	1.6	1.4
1,1,2,2-Tetrachloroethane	0.14 U	0.34 U	0.14 U	0.069 U	0.27 U	0.21 U	0.27 U	0.14 U	0.10 U	0.14 U	0.27 U	0.12 U	0.12 U	0.10 U	0.14 UJ
1,1,2-Trichloroethane	0.10 U	0.27 U	0.11 U	0.055 U	0.22 U	0.16 U	0.22 U	0.11 U	0.082 U	0.11 U	0.22 U	0.093 U	0.093 U	0.082 U	0.11 U
1,1-Dichloroethane	0.080 U	0.20 U	0.081 U	0.040 UJ	0.16 U	0.12 U	0.16 U	0.081 U	0.061 U	0.081 U	0.16 U	0.069 U	0.069 U	0.061 U	0.081 U
1,1-Dichloroethene	0.044	0.52	0.23	0.14	0.16 U	0.12 U	0.16 U	0.17 J	0.067	0.079 U	0.16 U	0.067 U	0.079	0.39	0.29 NJ
1,2-Dichloroethane	0.080 U	0.20 U	0.12	0.040 U	0.32 U	0.24 U	0.32 U	0.16 U	0.12 U	0.16 U	0.32 U	0.14 U	0.13 U	0.12 U	0.16 U
Benzene	2.3	1.9	1.5	3.1	2.1	3.8	7.7	3.8	1.4	1.3	2.9	2.7	1.5	0.80	2.0
cis-1,2-Dichloroethene	1.1	4.0	2.1	1.1	0.44	1.5 NJ	2.1	0.83	0.95	1.3	1.7	0.48	0.52	0.63	0.56
Ethylbenzene	2.4	0.69	0.74	3.9	4.2	2.9	3.6	1.3	2.0	2.0	1.3	0.83	2.9 NJ	0.96	0.74
Tetrachloroethene	19	4.8	2.6	3.8	5.2	9.5	7.5	1.8	4.5	1.3	7.5	0.61	8.1	0.31	0.22
Toluene	11	3.8	3.1	6.8 J	4.1	5.7	9.8	7.5 EJ	4.1	2.9	6.0	3.7	3.3	3.8	3.8
trans-1,2-Dichloroethene	0.056 U	0.20 U	0.079 U	0.040 U	0.16 U	0.12 U	0.16 U	0.079 U	0.059 U	0.079 U	0.16 U	0.067 U	0.067 U	0.059 U	0.079 U
Trichloroethene	11	13	8.6	41	1.6	16	21	5.4	2.6	6.4	12	2.6	1.5	4.1	5.2
Vinyl chloride	0.026	0.13 U	0.051 U	0.056 J	0.2 U	0.15 U	0.20 U	0.10 U	0.077 U	0.10 U	0.20 U	0.087 U	0.084 U	0.077 U	0.10 U
m,p-Xylene	7.5	2.0	2.6	9.6	19	10	9.1	4.3	6.5	6.9	4.3	3.0	11 EJ	3.5	2.3
o-Xylene	2.4	0.74	0.74	3.4	7.8	4.3	3.2	1.5	2.4	2.5	1.7	1.1	3.8	1.1	0.78

Building Number	BUILDING 13 SUB-SLAB VAPOR														
Sample ID	SVSS-B13-01														
Date Collected	7/17/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	18	NS	NS	11 U	NS	NS	8.2	NS	NS	NS	3.9	NS	NS	NS	3.5
1,1,2,2-Tetrachloroethane	0.14 U	NS	NS	14 U	NS	NS	1.4 U	NS	NS	NS	1.4 U	NS	NS	NS	1.4 U
1,1,2-Trichloroethane	0.1 U	NS	NS	11 U	NS	NS	1.1 U	NS	NS	NS	1.1 U	NS	NS	NS	1.1 U
1,1-Dichloroethane	0.08 U	NS	NS	8.1 U	NS	NS	0.81 U	NS	NS	NS	0.81 U	NS	NS	NS	0.81 U
1,1-Dichloroethene	0.04 U	NS	NS	7.9 U	NS	NS	0.79 U	NS	NS	NS	0.79 U	NS	NS	NS	0.79 U
1,2-Dichloroethane	0.08 U	NS	NS	8.1 U	NS	NS	0.81 U	NS	NS	NS	0.81 U	NS	NS	NS	0.81 U
Benzene	3.6	NS	NS	6.4 U	NS	NS	0.64 U	NS	NS	NS	0.64 U	NS	NS	NS	0.67
cis-1,2-Dichloroethene	0.056 U	NS	NS	7.9 U	NS	NS	0.79 U	NS	NS	NS	0.79 U	NS	NS	NS	0.79 U
Ethylbenzene	1.5	NS	NS	8.7 U	NS	NS	0.87 U	NS	NS	NS	0.87 U	NS	NS	NS	0.87 U
Tetrachloroethene	37	NS	NS	14 U	NS	NS	13	NS	NS	NS	5.8	NS	NS	NS	3.5
Toluene	11	NS	NS	7.5 U	NS	NS	0.75 U	NS	NS	NS	0.75 U	NS	NS	NS	1.3
trans-1,2-Dichloroethene	0.056 U	NS	NS	7.9 U	NS	NS	0.79 U	NS	NS	NS	0.79 U	NS	NS	NS	0.79 U
Trichloroethene	2.8	NS	NS	11 U	NS	NS	1.3	NS	NS	NS	1.1	NS	NS	NS	1.6
Vinyl chloride	0.02 U	NS	NS	5.1 U	NS	NS	0.51 U	NS	NS	NS	0.51 U	NS	NS	NS	0.51 U
m,p-Xylene	22	NS	NS	22 U	NS	NS	2.2 U	NS	NS	NS	2.2 U	NS	NS	NS	2.2 U
o-Xylene	6.6	NS	NS	8.7 U	NS	NS	0.87 U	NS	NS	NS	0.87 U	NS	NS	NS	0.87 U

Notes:

All values are shown in units of micrograms per cubic meter (µg/m³).

U - Not detected above reporting limit

J - Estimated

E - Result exceeded upper limit of calibration range

NJ - Tentative in identification and estimated in value due to poor mass spectral quality

NS - Not Sampled

Table 2
Building 11 Area Analytical Data Summary
Former Philips Display Components Facility - Seneca Falls, New York

Sample Description	BUILDING 13A INDOOR AIR														
Sample ID	IA-B13A-01														
Date Collected	7/15/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	0.58	1.9	1.0	0.93	0.23	1.5	1.1	1.1	0.41	0.45	0.93 J	0.27	0.25	1.3	1.3
1,1,2,2-Tetrachloroethane	0.14 U	0.069 U	0.21 U	0.069 U	0.27 U	0.27 U	0.27 U	0.21 U	0.082 U	0.14 U	0.27 U	0.14 U	0.14 U	0.069 U	0.14 UJ
1,1,2-Trichloroethane	0.10 U	0.055 U	0.16 U	0.055 U	0.22 U	0.22 U	0.22 U	0.16 U	0.065 U	0.11 U	0.22 U	0.11 U	0.11 U	0.055 U	0.11 U
1,1-Dichloroethane	0.080 U	0.040 U	0.12 U	0.040 UJ	0.16 U	0.16 U	0.16 U	0.12 U	0.049 U	0.081 U	0.16 U	0.081 U	0.081 U	0.040 U	0.081 U
1,1-Dichloroethene	0.054	0.25	0.12 U	0.12	0.16 U	0.16 U	0.16 U	0.12 U	0.095	0.079 U	0.16 U	0.079 U	0.079 U	0.33	0.28 NJ
1,2-Dichloroethane	0.080 U	0.040 U	0.12 U	0.040 U	0.32 U	0.32 U	0.32 U	0.24 U	0.10 U	0.16 U	0.32 U	0.16 U	0.16 U	0.081 U	0.16 U
Benzene	2.6	1.8	1.2	2.7	2.4	3.5	6.7	3.5	1.2	1.3	2.5	1.9	1.7	0.70	1.30
cis-1,2-Dichloroethene	1.2	3.1	1.5	0.91	0.67	1.8 NJ	1.8	1.4	1.1	1.3	1.7	0.95	0.75	0.48	0.56
Ethylbenzene	3.1	0.78	0.56	3.9	4.8	3.0	3.7	1.9	3.7	2.6	1.3	1.4	4.3	0.96	0.52
Tetrachloroethene	20	3.9	2.2	2.9	8.1	8.1	6.8	3.0	5.2	1.3	8.1	1.2	0.75	0.25	0.22
Toluene	12	4.1	2.6	6.8 J	4.5	6.0	9.0	8.7 J	4.1	3.5	4.5	4.9	4.5	3.3	2.4
trans-1,2-Dichloroethene	0.056 U	0.04 U	0.12 U	0.040 U	0.16 U	0.16 U	0.16 U	0.12 U	0.048 U	0.079 U	0.16 U	0.079 U	0.079 U	0.040 U	0.079 U
Trichloroethene	11	12	7.0	15	2.2	15	19	10	3.1	6.4	12	5.2	1.9	3.3	4.7
Vinyl chloride	0.020 U	0.026 U	0.077 U	0.049 J	0.20 U	0.20 U	0.20 U	0.15 U	0.064 U	0.10 U	0.20 U	0.10 U	0.10 U	0.051 U	0.10 U
m,p-Xylene	9.6	2.6	1.7	12	21	11	9.1	6.1	9.6	9.1	4.3	5.2	17 E	3.5	1.7
o-Xylene	3.1	0.043 U	0.56	3.9	8.3	4.3	3.0	2.1	3.5	3.1	1.5	1.8	6.1	1.1	0.61

Building Number	BUILDING 13A SUB-SLAB VAPOR														
Sample ID	SVSS-B13A-01														
Date Collected	7/17/2003	10/2/2003	1/20/2004	2/14/2006	6/28/2006	9/13/2006	12/12/2006	3/20/2007	6/21/2007	9/19/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	1.4	NS	NS	11 U	NS	NS	1.9	NS	NS	NS	1.1 U	NS	NS	NS	1.1 U
1,1,2,2-Tetrachloroethane	0.28 U	NS	NS	14 U	NS	NS	1.4 U	NS	NS	NS	1.4 U	NS	NS	NS	1.4 U
1,1,2-Trichloroethane	0.2 U	NS	NS	11 U	NS	NS	1.1 U	NS	NS	NS	1.1 U	NS	NS	NS	1.1 U
1,1-Dichloroethane	0.16 U	NS	NS	8.1 U	NS	NS	0.81 U	NS	NS	NS	0.81 U	NS	NS	NS	0.81 U
1,1-Dichloroethene	0.08 U	NS	NS	7.9 U	NS	NS	0.79 U	NS	NS	NS	0.79 U	NS	NS	NS	0.79 U
1,2-Dichloroethane	0.16 U	NS	NS	8.1 U	NS	NS	0.81 U	NS	NS	NS	0.81 U	NS	NS	NS	0.81 U
Benzene	0.32	NS	NS	6.4 U	NS	NS	0.64 U	NS	NS	NS	0.64 U	NS	NS	NS	0.64 U
cis-1,2-Dichloroethene	1.2	NS	NS	7.9 U	NS	NS	11	NS	NS	NS	0.79 U	NS	NS	NS	0.79 U
Ethylbenzene	0.17 U	NS	NS	8.7 U	NS	NS	0.87 U	NS	NS	NS	0.87 U	NS	NS	NS	0.87 U
Tetrachloroethene	5.1	NS	NS	14 U	NS	NS	1.4 U	NS	NS	NS	1.4 U	NS	NS	NS	1.4 U
Toluene	0.35	NS	NS	7.5 U	NS	NS	0.75 U	NS	NS	NS	0.75 U	NS	NS	NS	0.75 U
trans-1,2-Dichloroethene	0.11 U	NS	NS	7.9 U	NS	NS	0.79 U	NS	NS	NS	0.79 U	NS	NS	NS	0.79 U
Trichloroethene	53	NS	NS	34	NS	NS	64	NS	NS	NS	1.1 U	NS	NS	NS	1.1 U
Vinyl chloride	0.04 U	NS	NS	5.1 U	NS	NS	0.51 U	NS	NS	NS	0.51 U	NS	NS	NS	0.51 U
m,p-Xylene	0.59	NS	NS	22 U	NS	NS	2.2 U	NS	NS	NS	2.2 U	NS	NS	NS	2.2 U
o-Xylene	0.24	NS	NS	8.7 U	NS	NS	0.87 U	NS	NS	NS	0.87 U	NS	NS	NS	0.87 U

Notes:

All values are shown in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

U - Not detected above reporting limit

J - Estimated

E - Result exceeded upper limit of calibration range

NJ - Tentative in identification and estimated in value due to poor mass spectral quality

NS - Not Sampled

Table 3
Building 7 Area Analytical Data Summary
Former Philips Display Facility - Seneca Falls, New York

Sample Description	BUILDING 7 INDOOR AIR											
Sample ID	IA-B7-01											
Date Collected	7/15/2003	10/2/2003	1/20/2004	12/12/2006	3/20/2007	6/21/2007	9/28/2007	12/11/2007	3/26/2008	6/17/2008	9/25/2008	12/18/2008
1,1,1-Trichloroethane	0.42	0.45	0.35	0.28	0.43	0.055	0.060	0.16 U	0.14	0.11 U	0.16 UJ	0.60 U
1,1,2,2-Tetrachloroethane	0.14 U	0.34 U	0.21 U	0.34 U	0.34 U	0.069 U	0.069 U	0.21 U	0.14 U	0.14 U	0.21 UJ	0.76 UJ
1,1,2-Trichloroethane	0.1 U	0.27 U	0.16 U	0.27 U	0.27 U	0.055 U	0.055 U	0.16 U	0.11 U	0.11 U	0.16 UJ	0.60 U
1,1-Dichloroethane	0.08 U	0.2 U	0.12 U	0.2 U	0.2 U	0.040 U	0.040 U	0.12 U	0.081 U	0.081 U	0.12 UJ	0.45 U
1,1-Dichloroethene	0.04 U	0.2 U	0.12 U	0.2 U	0.2 U	0.040 U	0.040 U	0.12 U	0.079 U	0.079 U	0.12 UJ	0.44 U
1,2-Dichloroethane	0.08 U	0.2 U	0.12 U	0.4 U	0.4 U	0.081 U	0.081 U	0.24 U	0.16 U	0.16 U	0.24 UJ	0.89 U
Benzene	1.1	1.4	2.5	6.1	3.5	0.29 NJ	0.42	2.0	2.2	1.2	1.2 J	5.8
cis-1,2-Dichloroethene	0.21	0.95	1.0	0.52	0.95	0.095 NJ	0.075	0.63	0.75	0.44	0.12 J	0.52
Ethylbenzene	1.1	1.6	2.6	2.6	0.87	0.24	0.23	0.78	0.87	1.3	1.1 J	4.3
Tetrachloroethene	0.62	0.62	2.2	4.5	2.4	0.19	0.14	3.0	0.75	0.35	0.28 J	0.75 U
Toluene	7.0	2.5	9.4	16	5.3	1.4	1.4	5.3	7.2	6.8	8.3 J	27
trans-1,2-Dichloroethene	0.056 U	0.2 U	0.12 U	0.2 U	0.2 U	0.040 U	0.040 U	0.12 U	0.079 U	0.079 U	0.12 UJ	0.44 U
Trichloroethene	2.7	13	5.9	5.9	18	0.64	1.1	3.9	9.7	1.5	1.2 J	6.4
Vinyl chloride	0.02 U	0.13 U	0.077 U	0.26 U	0.26 U	0.051 U	0.051 U	0.15 U	0.10 U	0.10 U	0.15 UJ	0.56 U
m-Xylene & p-Xylene	3.6	3.0	10	9.1	2.8	0.74	0.56	2.5	3.2	4.8	4.0 J	14
o-Xylene	1.3	0.87	3.1	3.2	1.0	0.24	0.22	0.87	1.1	1.7	1.6 J	4.8

Sample Description	BUILDING 7 SUB-SLAB VAPOR											
Sample ID	SVSS-B7-01											
Date Collected	7/17/2003	10/2/2003	1/20/2004	12/12/2006	3/20/2007	6/21/2007	9/28/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	33 U	NS	NS	11 U	4.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	41 U	NS	NS	14 U	5.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	33 U	NS	NS	11 U	4.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	24 U	NS	NS	8.1 U	3.2 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	24 U	NS	NS	7.9 U	3.2 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloroethane	24 U	NS	NS	8.1 U	3.2 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Benzene	19 U	NS	NS	6.4 U	2.6 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
cis-1,2-Dichloroethene	24 U	NS	NS	7.9 U	3.2 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Ethylbenzene	26 U	NS	NS	8.7 U	3.5 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Tetrachloroethene	40	NS	NS	17	8.1	1.7	1.4 U	1.4 U	1.4 U	2.0	1.4 U	1.4 U
Toluene	22 U	NS	NS	7.5 U	3.0 U	1.2	0.79	0.75 U	0.75 U	0.75 U	1.2	0.75 U
trans-1,2-Dichloroethene	24 U	NS	NS	7.9 U	3.2 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloroethene	3300	NS	NS	1700	470	11	12	12	70	64	24	40
Vinyl chloride	15 U	NS	NS	5.1 U	2.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
m-Xylene & p-Xylene	26 U	NS	NS	22 U	8.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
o-Xylene	27 U	NS	NS	8.7 U	3.5 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U

Notes:

All values are shown in units of micrograms per cubic meter (µg/m3).

U - Not detected above reporting limit

NJ - Tentative in identification and estimated in value due to poor mass spectral quality

NS - Not Sampled

J - Estimated

Table 4
Ambient Air Sample Analytical Data Summary
Former Philips Display Facility - Seneca Falls, New York

Sample Description	AMBIENT AIR OUTSIDE OF BUILDING 2											
Sample ID	OA-B2-01											
Sampling Event	Summer 2003	Fall 2003	Winter 2004	Confirmatory	Confirmatory	Confirmatory	Confirmatory	Confirmatory	Confirmatory	Confirmatory	Confirmatory	Confirmatory
Date Collected	7/15/2003	10/2/2003	1/20/2004	3/20/2007	6/21/2007	8/30/2007	9/28/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	0.21	0.16	0.12	0.15	0.060	NS	0.055 U	0.065	0.055 U	0.060	0.055 U	0.055
1,1,2,2-Tetrachloroethane	0.14 U	0.069 U	0.069 U	0.069 U	0.069 U	NS	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 UJ
1,1,2-Trichloroethane	0.10 U	0.055 U	0.055 U	0.055 U	0.055 U	NS	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U
1,1-Dichloroethane	0.080 U	0.040 U	0.040 U	0.040 U	0.040 U	NS	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
1,1-Dichloroethene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	NS	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethane	0.080 U	0.040 U	0.040 U	0.089	0.081 U	NS	0.081 U	0.085	0.081 U	0.081 U	0.081 U	0.081 U
Benzene	0.44	0.38	0.45	0.58	0.21	NS	0.32	0.51	0.28	0.24	0.16	0.70
cis-1,2-Dichloroethene	0.056 U	0.040 U	0.040 U	0.040 U	0.040 U	NS	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Ethylbenzene	0.35	0.13	0.19	0.043 U	0.087	NS	0.15	0.10	0.078	0.16	0.091	0.22
Tetrachloroethene	0.30	0.068 U	0.075	0.088	0.068 U	NS	0.11	0.068 U	0.068 U	0.068 U	0.068 U	0.088
Toluene	3.2	0.64	0.90	0.22	0.49	NS	1.0	0.53	0.36	1.7	0.57	1.2
trans-1,2-Dichloroethene	0.056 U	0.04 U	0.04 U	0.04 U	0.040 U	NS	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Trichloroethene	0.58	0.52	0.81	2.8	0.70	NS	0.31	0.054 U	0.054 U	0.054 U	0.054 U	0.11
Vinyl chloride	0.020 U	0.026 U	0.026 U	0.051 U	0.051 U	NS	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U
m-Xylene & p-Xylene	1.1	0.35	0.48	0.087 U	0.23	NS	0.38	0.26	0.20	0.52	0.26	0.69
o-Xylene	0.35	0.13	0.19	0.043 U	0.083	NS	0.13	0.10	0.078	0.20	0.091	0.29

Sample Description	AMBIENT AIR OUTSIDE OF BUILDING 11											
Sample ID	OA-B11-01											
Date Collected	7/15/2003	10/2/2003	1/20/2004	3/20/2007	6/21/2007	8/30/2007	9/28/2007	12/11/2007	3/26/2008	6/17/2008	9/24/2008	12/18/2008
1,1,1-Trichloroethane	0.18	0.15	0.11	0.15	0.055 U	0.055 U	0.055	0.065	0.060	0.055 U	0.055 U	0.055 U
1,1,2,2-Tetrachloroethane	0.14 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 UJ
1,1,2-Trichloroethane	0.10 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U
1,1-Dichloroethane	0.080 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
1,1-Dichloroethene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethane	0.080 U	0.040 U	0.040 U	0.081 U	0.081 U	0.081 U	0.081 U	0.085	0.081 U	0.081 U	0.081 U	0.081 U
Benzene	0.32	0.30	0.45	0.54	0.15	0.17	0.29	0.58	0.31	0.13	0.14	0.54
cis-1,2-Dichloroethene	0.056 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Ethylbenzene	0.16	0.091	0.15	0.10	0.061	0.091	0.15	0.19	0.065	0.12	0.096	0.18
Tetrachloroethene	0.14 U	0.068 U	0.068	0.075	0.068 U	0.081	0.12	0.068 U	0.068 U	0.068 U	0.068 U	0.095
Toluene	1.4	0.45	0.68	0.38	0.32	0.49	0.60	0.72	0.37	0.75	0.64	1.1
trans-1,2-Dichloroethene	0.056 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Trichloroethene	0.074	0.13	0.12	0.14	0.12	0.12	0.11	0.086	0.054 U	0.086	0.07	0.13
Vinyl chloride	0.020 U	0.026 U	0.026 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U
m,p-Xylene	0.32	0.26	0.34	0.29	0.16	0.22	0.43	0.56	0.20	0.38	0.24	0.48
o-Xylene	0.14	0.10	0.13	0.11	0.052	0.078	0.13	0.21	0.083	0.11	0.083	0.21

Notes:

All values are shown in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

U - Not detected above reporting limit

NS - Not Sampled

Attachment D
Data Validation Report

Data Validation Services

120 Cobble Creek Road P.O. Box 208

North Creek, NY 12853

Phone 518-251-4429

Facsimile 518-251-4428

February 24, 2009

Mark Flusche
Malcolm Pirnie, Inc.
43 British American Blvd.
Latham, NY 12110

RE: Validation of Former Philips Display Components Facility, Seneca Falls site data package-
Indoor Air and Soil Vapor samples- September 2008
TestAmerica-VT SDG No. NY129447

Dear Mr. Flusche:

Review has been completed for the data package generated by TestAmerica Laboratories (STL-VT) that pertains to air samples collected on 12/18/08 at the Seneca Falls site. This report covers fourteen 6-L summa canister indoor/outdoor air samples, an indoor air field duplicate, six 6-L summa canister soil vapor samples and a soil vapor air field duplicate. The samples were analyzed for sixteen site-specific volatile analytes using USEPA method TO-15 (for soil vapor samples) and low level USEPA method TO-15 (for indoor/outdoor air samples).

Data validation was performed with guidance from the 2006 USEPA Region II validation SOP HW-31, with consideration for the specific requirements of the analytical methodology. The following items were reviewed:

- * Data Completeness
- * Case Narrative
- * Custody Documentation
- * Holding Times
- * Blind Field Duplicate Correlations
- * Internal Standard Recoveries
- * Method and Canister Blanks
- * Laboratory Control Samples (LCSs)
- * Instrumental Tunes
- * Initial and Continuing Calibration Standards
- * Method Compliance
- * Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with project requirements.

In summary, sample processing was conducted in compliance with project requirements. All sample results are usable as reported, or usable with minor qualification.

A copy of the laboratory case narrative is attached to this text, and should be reviewed in conjunction with this report. Also attached are the laboratory sample result forms, edited to reflect the validation qualifiers noted within this report.

Chain-of-Custody

The fourth page of the custody does not show the down-arrow for the collection date.

Although the laboratory log-in page states that the custodies were not relinquished, the release signature/date/time entries were present.

Volatile Analyses by EPA TO-15

The following detected results have been qualified as being tentative in identification and estimated in value, due to mass spectral interferences:

- 1,1-dichloroethene in IA-B11-01, IA-B13-01, and IA-B13A-01
- cis-1,2-dichloroethene in IA-B1A-01, IA-B1A-BASE, IA-DUPE, IA-B9-01, IA-B9-02, IA-B9-CS, and SVSS-B10-01

Holding times and instrument tunes meet requirements. Internal standard recoveries were acceptable.

Method and canister blanks show no contamination. The clean canister certification raw data documentation was reviewed during validation.

The blind field duplicate correlations for samples IA-B11-01 and SVSS-B11-01 are acceptable.

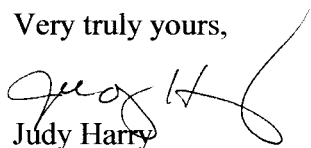
Most initial and continuing calibration standard responses were acceptable, with all response factors (RRFs) above 0.05, linearity within the 30%RSD limit, and continuing responses not above 30%D. However, 1,1,2,2-tetrachloroethane produced outlying responses in the low-level initial calibration standards (35%RSD). Results for that compound in the indoor and outdoor air samples are therefore qualified as estimated in value, with a low bias.

The Laboratory Control Samples (LCSs) show acceptable recoveries, with the exception of that for 1,1,2,2-tetrachloroethane (60%) in one low-level LCS. Those associated results are already qualified as estimated due to calibration standard responses.

Following a laboratory screening, some of the samples were processed at initial dilution due to detected target analyte concentrations. Therefore, reporting limits for the compounds in those samples that were not detected are elevated.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,


Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

- U** - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N** - The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."
- NJ** - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ** - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

**CLIENT and LABORATORY SAMPLE IDs
and CASE NARRATIVES**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

January 14, 2009

TestAmerica Laboratories, Inc.

Mr. Daniel Lang
Malcolm Pirnie
43 British American Boulevard
Latham, NY 12110

Re: Laboratory Project No. 28000
Case: 28000; SDG: NY129447

Dear Mr. Lang:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on December 19th, 2008. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 12/19/08 ETR No: 129447			
780238	SVSS-DUPE	12/18/08	AIR
780239	IA-B7-01	12/18/08	AIR
780240	SVSS-B11-01	12/18/08	AIR
780241	SVSS-B7-01	12/18/08	AIR
780242	SVSS-B10-01	12/18/08	AIR
780243	SVSS-B13-01	12/18/08	AIR
780244	IA-DUPE	12/18/08	AIR
780245	IA-B9-01	12/18/08	AIR
780246	IA-B10A-01	12/18/08	AIR
780247	IA-B13-01	12/18/08	AIR
780248	IA-B10-01	12/18/08	AIR
780249	IA-B11-01	12/18/08	AIR
780250	IA-B11-02	12/18/08	AIR
780251	IA-B13A-01	12/18/08	AIR
780252	IA-B9-02	12/18/08	AIR
780253	IA-B9-CS	12/18/08	AIR
780254	IA-B1A-BASE	12/18/08	AIR
780255	IA-B1A-01	12/18/08	AIR
780256	OA-B11-01	12/18/08	AIR
780257	OA-B2-01	12/18/08	AIR
780258	SVSS-B10A-01	12/18/08	AIR
780259	SVSS-B13A-01	12/18/08	AIR

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Each indoor air sample was analyzed for volatile organics by the laboratory's low level TO-15 method. The soil vapor samples were analyzed using the regular level TO-15 method. The analytical results are reported both in terms of parts per billion on a volume/volume basis (ppbv) and micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Several of the samples were analyzed at dilution based on preliminary screening to ensure quantitation of all target constituents within the range of calibrated instrument response.

The low level volatile organics analysis of the blank spike designated EA122008LCS yielded percent recovery for 1,1,2,2-Tetrachloroethane that was below control criteria.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,



Don Dawicki
Project Manager

Enclosure

QUALIFIED RESULTS FORMS

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-B7-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 11.00

Sample Matrix: AIR

Lab Sample No.: 780239

Date Analyzed: 12/20/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.22	U	0.22	0.56	U	0.56
1,1-Dichloroethene	75-35-4	0.11	U	0.11	0.44	U	0.44
trans-1,2-Dichloroethene	156-60-5	0.11	U	0.11	0.44	U	0.44
1,1-Dichloroethane	75-34-3	0.11	U	0.11	0.45	U	0.45
cis-1,2-Dichloroethene	156-59-2	0.13		0.11	0.52		0.44
1,1,1-Trichloroethane	71-55-6	0.11	U	0.11	0.60	U	0.60
Benzene	71-43-2	1.8		0.11	5.8		0.35
1,2-Dichloroethane	107-06-2	0.22	U	0.22	0.89	U	0.89
Trichloroethene	79-01-6	1.2		0.11	6.4		0.59
Toluene	108-88-3	7.2		0.11	27		0.41
1,1,2-Trichloroethane	79-00-5	0.11	U	0.11	0.60	U	0.60
Tetrachloroethene	127-18-4	0.11	U	0.11	0.75	U	0.75
Ethylbenzene	100-41-4	0.99		0.11	4.3		0.48
Xylene (m,p)	1330-20-7	3.3		0.22	14		0.96
Xylene (o)	95-47-6	1.1		0.11	4.8		0.48
1,1,2,2-Tetrachloroethane	79-34-5	0.11	U <i>45</i>	0.11	0.76	U <i>45</i>	0.76

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-DUPE

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 3.70

Sample Matrix: AIR

Lab Sample No.: 780244

Date Analyzed: 1/10/2009

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.074	U	0.074	0.19	U	0.19
1,1-Dichloroethene	75-35-4	0.037	U	0.037	0.15	U	0.15
trans-1,2-Dichloroethene	156-60-5	0.037	U	0.037	0.15	U	0.15
1,1-Dichloroethane	75-34-3	0.037	U	0.037	0.15	U	0.15
cis-1,2-Dichloroethene	156-59-2	0.58	NJ	0.037	2.3	NJ	0.15
1,1,1-Trichloroethane	71-55-6	0.11		0.037	0.60		0.20
Benzene	71-43-2	1.0		0.037	3.2		0.12
1,2-Dichloroethane	107-06-2	0.074	U	0.074	0.30	U	0.30
Trichloroethene	79-01-6	2.7		0.037	15		0.20
Toluene	108-88-3	1.7		0.037	6.4		0.14
1,1,2-Trichloroethane	79-00-5	0.037	U	0.037	0.20	U	0.20
Tetrachloroethene	127-18-4	0.084		0.037	0.57		0.25
Ethylbenzene	100-41-4	0.29		0.037	1.3		0.16
Xylene (m,p)	1330-20-7	1.1		0.074	4.8		0.32
Xylene (o)	95-47-6	0.38		0.037	1.7		0.16
1,1,2,2-Tetrachloroethane	79-34-5	0.037	U NJ	0.037	0.25	U NJ	0.25

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-B9-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 5.56

Sample Matrix: AIR

Lab Sample No.: 780245

Date Analyzed: 12/20/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.11	U	0.11	0.28	U	0.28
1,1-Dichloroethene	75-35-4	0.056	U	0.056	0.22	U	0.22
trans-1,2-Dichloroethene	156-60-5	0.056	U	0.056	0.22	U	0.22
1,1-Dichloroethane	75-34-3	0.056	U	0.056	0.23	U	0.23
cis-1,2-Dichloroethene	156-59-2	0.17	NJ	0.056	0.67	NJ	0.22
1,1,1-Trichloroethane	71-55-6	0.062		0.056	0.34		0.31
Benzene	71-43-2	0.88		0.056	2.8		0.18
1,2-Dichloroethane	107-06-2	0.11	U	0.11	0.45	U	0.45
Trichloroethene	79-01-6	3.3		0.056	18		0.30
Toluene	108-88-3	2.2		0.056	8.3		0.21
1,1,2-Trichloroethane	79-00-5	0.056	U	0.056	0.31	U	0.31
Tetrachloroethene	127-18-4	0.056	U	0.056	0.38	U	0.38
Ethylbenzene	100-41-4	0.33		0.056	1.4		0.24
Xylene (m,p)	1330-20-7	1.2		0.11	5.2		0.48
Xylene (o)	95-47-6	0.41		0.056	1.8		0.24
1,1,2,2-Tetrachloroethane	79-34-5	0.056	U NJ	0.056	0.38	U NJ	0.38

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-B10A-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 6.02

Sample Matrix: AIR

Lab Sample No.: 780246

Date Analyzed: 12/20/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.12	U	0.12	0.31	U	0.31
1,1-Dichloroethene	75-35-4	0.060	U	0.060	0.24	U	0.24
trans-1,2-Dichloroethene	156-60-5	0.060	U	0.060	0.24	U	0.24
1,1-Dichloroethane	75-34-3	0.060	U	0.060	0.24	U	0.24
cis-1,2-Dichloroethene	156-59-2	0.82		0.060	3.3		0.24
1,1,1-Trichloroethane	71-55-6	0.093		0.060	0.51		0.33
Benzene	71-43-2	1.1		0.060	3.5		0.19
1,2-Dichloroethane	107-06-2	0.12	U	0.12	0.49	U	0.49
Trichloroethene	79-01-6	3.6		0.060	19		0.32
Toluene	108-88-3	2.3		0.060	8.7		0.23
1,1,2-Trichloroethane	79-00-5	0.060	U	0.060	0.33	U	0.33
Tetrachloroethene	127-18-4	0.19		0.060	1.3		0.41
Ethylbenzene	100-41-4	0.34		0.060	1.5		0.26
Xylene (m,p)	1330-20-7	1.4		0.12	6.1		0.52
Xylene (o)	95-47-6	0.43		0.060	1.9		0.26
1,1,2,2-Tetrachloroethane	79-34-5	0.060	UU	0.060	0.41	UU	0.41

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-B13-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 2.00

Sample Matrix: AIR

Lab Sample No.: 780247

Date Analyzed: 12/20/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.040	U	0.040	0.10	U	0.10
1,1-Dichloroethene	75-35-4	0.072	NS	0.020	0.29	NS	0.079
trans-1,2-Dichloroethene	156-60-5	0.020	U	0.020	0.079	U	0.079
1,1-Dichloroethane	75-34-3	0.020	U	0.020	0.081	U	0.081
cis-1,2-Dichloroethene	156-59-2	0.14		0.020	0.56		0.079
1,1,1-Trichloroethane	71-55-6	0.26		0.020	1.4		0.11
Benzene	71-43-2	0.63		0.020	2.0		0.064
1,2-Dichloroethane	107-06-2	0.040	U	0.040	0.16	U	0.16
Trichloroethene	79-01-6	0.97		0.020	5.2		0.11
Toluene	108-88-3	1.0		0.020	3.8		0.075
1,1,2-Trichloroethane	79-00-5	0.020	U	0.020	0.11	U	0.11
Tetrachloroethene	127-18-4	0.032		0.020	0.22		0.14
Ethylbenzene	100-41-4	0.17		0.020	0.74		0.087
Xylene (m,p)	1330-20-7	0.52		0.040	2.3		0.17
Xylene (o)	95-47-6	0.18		0.020	0.78		0.087
1,1,2,2-Tetrachloroethane	79-34-5	0.020	UUT	0.020	0.14	UUT	0.14

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-B10-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 10.00

Sample Matrix: AIR

Lab Sample No.: 780248

Date Analyzed: 12/20/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,1-Dichloroethene	75-35-4	0.10	U	0.10	0.40	U	0.40
trans-1,2-Dichloroethene	156-60-5	0.10	U	0.10	0.40	U	0.40
1,1-Dichloroethane	75-34-3	0.10	U	0.10	0.40	U	0.40
cis-1,2-Dichloroethene	156-59-2	0.73		0.10	2.9		0.40
1,1,1-Trichloroethane	71-55-6	0.10	U	0.10	0.55	U	0.55
Benzene	71-43-2	1.3		0.10	4.2		0.32
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
Trichloroethene	79-01-6	6.8		0.10	37		0.54
Toluene	108-88-3	2.8		0.10	11		0.38
1,1,2-Trichloroethane	79-00-5	0.10	U	0.10	0.55	U	0.55
Tetrachloroethene	127-18-4	0.15		0.10	1.0		0.68
Ethylbenzene	100-41-4	0.38		0.10	1.7		0.43
Xylene (m,p)	1330-20-7	1.5		0.20	6.5		0.87
Xylene (o)	95-47-6	0.48		0.10	2.1		0.43
1,1,2,2-Tetrachloroethane	79-34-5	0.10	UUT	0.10	0.69	UUT	0.69

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-B11-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 2.99

Sample Matrix: AIR

Lab Sample No.: 780249

Date Analyzed: 12/20/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.060	U	0.060	0.15	U	0.15
1,1-Dichloroethene	75-35-4	0.038	NJ	0.030	0.15	NJ	0.12
trans-1,2-Dichloroethene	156-60-5	0.030	U	0.030	0.12	U	0.12
1,1-Dichloroethane	75-34-3	0.030	U	0.030	0.12	U	0.12
cis-1,2-Dichloroethene	156-59-2	0.49		0.030	1.9		0.12
1,1,1-Trichloroethane	71-55-6	0.11		0.030	0.60		0.16
Benzene	71-43-2	0.92		0.030	2.9		0.096
1,2-Dichloroethane	107-06-2	0.060	U	0.060	0.24	U	0.24
Trichloroethene	79-01-6	2.6		0.030	14		0.16
Toluene	108-88-3	1.4		0.030	5.3		0.11
1,1,2-Trichloroethane	79-00-5	0.030	U	0.030	0.16	U	0.16
Tetrachloroethene	127-18-4	0.095		0.030	0.64		0.20
Ethylbenzene	100-41-4	0.25		0.030	1.1		0.13
Xylene (m,p)	1330-20-7	0.88		0.060	3.8		0.26
Xylene (o)	95-47-6	0.30		0.030	1.3		0.13
1,1,2,2-Tetrachloroethane	79-34-5	0.030	U NJ	0.030	0.21	U NJ	0.21

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-B11-02

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 4.00

Sample Matrix: AIR

Lab Sample No.: 780250

Date Analyzed: 12/20/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.080	U	0.080	0.20	U	0.20
1,1-Dichloroethene	75-35-4	0.040	U	0.040	0.16	U	0.16
trans-1,2-Dichloroethene	156-60-5	0.040	U	0.040	0.16	U	0.16
1,1-Dichloroethane	75-34-3	0.040	U	0.040	0.16	U	0.16
cis-1,2-Dichloroethene	156-59-2	0.53		0.040	2.1		0.16
1,1,1-Trichloroethane	71-55-6	0.089		0.040	0.49		0.22
Benzene	71-43-2	0.99		0.040	3.2		0.13
1,2-Dichloroethane	107-06-2	0.080	U	0.080	0.32	U	0.32
Trichloroethene	79-01-6	2.5		0.040	13		0.21
Toluene	108-88-3	1.8		0.040	6.8		0.15
1,1,2-Trichloroethane	79-00-5	0.040	U	0.040	0.22	U	0.22
Tetrachloroethene	127-18-4	0.10		0.040	0.68		0.27
Ethylbenzene	100-41-4	0.32		0.040	1.4		0.17
Xylene (m,p)	1330-20-7	1.2		0.080	5.2		0.35
Xylene (o)	95-47-6	0.41		0.040	1.8		0.17
1,1,2,2-Tetrachloroethane	79-34-5	0.040	UU	0.040	0.27	UU	0.27

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-B13A-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 2.00

Sample Matrix: AIR

Lab Sample No.: 780251

Date Analyzed: 12/20/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.040	U	0.040	0.10	U	0.10
1,1-Dichloroethene	75-35-4	0.070	NJ	0.020	0.28	NJ	0.079
trans-1,2-Dichloroethene	156-60-5	0.020	U	0.020	0.079	U	0.079
1,1-Dichloroethane	75-34-3	0.020	U	0.020	0.081	U	0.081
cis-1,2-Dichloroethene	156-59-2	0.14		0.020	0.56		0.079
1,1,1-Trichloroethane	71-55-6	0.23		0.020	1.3		0.11
Benzene	71-43-2	0.41		0.020	1.3		0.064
1,2-Dichloroethane	107-06-2	0.040	U	0.040	0.16	U	0.16
Trichloroethene	79-01-6	0.87		0.020	4.7		0.11
Toluene	108-88-3	0.65		0.020	2.4		0.075
1,1,2-Trichloroethane	79-00-5	0.020	U	0.020	0.11	U	0.11
Tetrachloroethene	127-18-4	0.032		0.020	0.22		0.14
Ethylbenzene	100-41-4	0.12		0.020	0.52		0.087
Xylene (m,p)	1330-20-7	0.40		0.040	1.7		0.17
Xylene (o)	95-47-6	0.14		0.020	0.61		0.087
1,1,2,2-Tetrachloroethane	79-34-5	0.020	U NJ	0.020	0.14	U NJ	0.14

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-B9-02

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 10.00

Sample Matrix: AIR

Lab Sample No.: 780252

Date Analyzed: 1/10/2009

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,1-Dichloroethene	75-35-4	0.10	U	0.10	0.40	U	0.40
trans-1,2-Dichloroethene	156-60-5	0.10	U	0.10	0.40	U	0.40
1,1-Dichloroethane	75-34-3	0.10	U	0.10	0.40	U	0.40
cis-1,2-Dichloroethene	156-59-2	0.46	NJ	0.10	1.8	NJ	0.40
1,1,1-Trichloroethane	71-55-6	0.10	U	0.10	0.55	U	0.55
Benzene	71-43-2	1.5		0.10	4.8		0.32
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
Trichloroethene	79-01-6	8.5		0.10	46		0.54
Toluene	108-88-3	3.3		0.10	12		0.38
1,1,2-Trichloroethane	79-00-5	0.10	U	0.10	0.55	U	0.55
Tetrachloroethene	127-18-4	0.10	U	0.10	0.68	U	0.68
Ethylbenzene	100-41-4	0.46		0.10	2.0		0.43
Xylene (m,p)	1330-20-7	1.6		0.20	6.9		0.87
Xylene (o)	95-47-6	0.62		0.10	2.7		0.43
1,1,2,2-Tetrachloroethane	79-34-5	0.10	UUJ	0.10	0.69	UUJ	0.69

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-B9-CS

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 4.00

Sample Matrix: AIR

Lab Sample No.: 780253

Date Analyzed: 12/21/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.080	U	0.080	0.20	U	0.20
1,1-Dichloroethene	75-35-4	0.040	U	0.040	0.16	U	0.16
trans-1,2-Dichloroethene	156-60-5	0.040	U	0.040	0.16	U	0.16
1,1-Dichloroethane	75-34-3	0.040	U	0.040	0.16	U	0.16
cis-1,2-Dichloroethene	156-59-2	0.078	NJ	0.040	0.31	NJ	0.16
1,1,1-Trichloroethane	71-55-6	0.040	U	0.040	0.22	U	0.22
Benzene	71-43-2	0.50		0.040	1.6		0.13
1,2-Dichloroethane	107-06-2	0.080	U	0.080	0.32	U	0.32
Trichloroethene	79-01-6	2.8		0.040	15		0.21
Toluene	108-88-3	1.2		0.040	4.5		0.15
1,1,2-Trichloroethane	79-00-5	0.040	U	0.040	0.22	U	0.22
Tetrachloroethene	127-18-4	0.040	U	0.040	0.27	U	0.27
Ethylbenzene	100-41-4	0.18		0.040	0.78		0.17
Xylene (m,p)	1330-20-7	0.61		0.080	2.6		0.35
Xylene (o)	95-47-6	0.22		0.040	0.96		0.17
1,1,2,2-Tetrachloroethane	79-34-5	0.040	UUJ	0.040	0.27	UUJ	0.27

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

OA-B11-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 780256

Date Analyzed: 1/10/2009

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.020	U	0.020	0.051	U	0.051
1,1-Dichloroethene	75-35-4	0.010	U	0.010	0.040	U	0.040
trans-1,2-Dichloroethene	156-60-5	0.010	U	0.010	0.040	U	0.040
1,1-Dichloroethane	75-34-3	0.010	U	0.010	0.040	U	0.040
cis-1,2-Dichloroethene	156-59-2	0.010	U	0.010	0.040	U	0.040
1,1,1-Trichloroethane	71-55-6	0.010	U	0.010	0.055	U	0.055
Benzene	71-43-2	0.17		0.010	0.54		0.032
1,2-Dichloroethane	107-06-2	0.020	U	0.020	0.081	U	0.081
Trichloroethene	79-01-6	0.025		0.010	0.13		0.054
Toluene	108-88-3	0.30		0.010	1.1		0.038
1,1,2-Trichloroethane	79-00-5	0.010	U	0.010	0.055	U	0.055
Tetrachloroethene	127-18-4	0.014		0.010	0.095		0.068
Ethylbenzene	100-41-4	0.042		0.010	0.18		0.043
Xylene (m,p)	1330-20-7	0.11		0.020	0.48		0.087
Xylene (o)	95-47-6	0.048		0.010	0.21		0.043
1,1,2,2-Tetrachloroethane	79-34-5	0.010	U	0.010	0.069	U	0.069

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

OA-B2-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 780257

Date Analyzed: 1/10/2009

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.020	U	0.020	0.051	U	0.051
1,1-Dichloroethene	75-35-4	0.010	U	0.010	0.040	U	0.040
trans-1,2-Dichloroethene	156-60-5	0.010	U	0.010	0.040	U	0.040
1,1-Dichloroethane	75-34-3	0.010	U	0.010	0.040	U	0.040
cis-1,2-Dichloroethene	156-59-2	0.010	U	0.010	0.040	U	0.040
1,1,1-Trichloroethane	71-55-6	0.010		0.010	0.055		0.055
Benzene	71-43-2	0.22		0.010	0.70		0.032
1,2-Dichloroethane	107-06-2	0.020	U	0.020	0.081	U	0.081
Trichloroethene	79-01-6	0.020		0.010	0.11		0.054
Toluene	108-88-3	0.32		0.010	1.2		0.038
1,1,2-Trichloroethane	79-00-5	0.010	U	0.010	0.055	U	0.055
Tetrachloroethene	127-18-4	0.013		0.010	0.088		0.068
Ethylbenzene	100-41-4	0.050		0.010	0.22		0.043
Xylene (m,p)	1330-20-7	0.16		0.020	0.69		0.087
Xylene (o)	95-47-6	0.066		0.010	0.29		0.043
1,1,2,2-Tetrachloroethane	79-34-5	0.010	UJ	0.010	0.069	UJ	0.069

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SVSS-DUPE

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 780238

Date Analyzed: 12/26/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
1,1-Dichloroethane	75-34-3	0.20	U	0.20	0.81	U	0.81
cis-1,2-Dichloroethene	156-59-2	2.6		0.20	10		0.79
1,1,1-Trichloroethane	71-55-6	0.20	U	0.20	1.1	U	1.1
Benzene	71-43-2	0.20	U	0.20	0.64	U	0.64
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
Trichloroethene	79-01-6	15		0.20	81		1.1
Toluene	108-88-3	0.20		0.20	0.75		0.75
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.81		0.20	5.5		1.4
Ethylbenzene	100-41-4	0.20	U	0.20	0.87	U	0.87
Xylene (m,p)	1330-20-7	0.50	U	0.50	2.2	U	2.2
Xylene (o)	95-47-6	0.20	U	0.20	0.87	U	0.87
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SVSS-B11-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 780240

Date Analyzed: 12/26/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
1,1-Dichloroethane	75-34-3	0.20	U	0.20	0.81	U	0.81
cis-1,2-Dichloroethene	156-59-2	2.8		0.20	11		0.79
1,1,1-Trichloroethane	71-55-6	0.20	U	0.20	1.1	U	1.1
Benzene	71-43-2	0.20	U	0.20	0.64	U	0.64
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
Trichloroethene	79-01-6	16		0.20	86		1.1
Toluene	108-88-3	0.20	U	0.20	0.75	U	0.75
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.90		0.20	6.1		1.4
Ethylbenzene	100-41-4	0.20	U	0.20	0.87	U	0.87
Xylene (m,p)	1330-20-7	0.50	U	0.50	2.2	U	2.2
Xylene (o)	95-47-6	0.20	U	0.20	0.87	U	0.87
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SVSS-B7-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 780241

Date Analyzed: 12/26/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
1,1-Dichloroethane	75-34-3	0.20	U	0.20	0.81	U	0.81
cis-1,2-Dichloroethene	156-59-2	0.20	U	0.20	0.79	U	0.79
1,1,1-Trichloroethane	71-55-6	0.20	U	0.20	1.1	U	1.1
Benzene	71-43-2	0.20	U	0.20	0.64	U	0.64
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
Trichloroethene	79-01-6	7.5		0.20	40		1.1
Toluene	108-88-3	0.20	U	0.20	0.75	U	0.75
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.20	U	0.20	1.4	U	1.4
Ethylbenzene	100-41-4	0.20	U	0.20	0.87	U	0.87
Xylene (m,p)	1330-20-7	0.50	U	0.50	2.2	U	2.2
Xylene (o)	95-47-6	0.20	U	0.20	0.87	U	0.87
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SVSS-B10-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 8.00

Sample Matrix: AIR

Lab Sample No.: 780242

Date Analyzed: 12/26/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	1.6	U	1.6	4.1	U	4.1
1,1-Dichloroethene	75-35-4	1.6	U	1.6	6.3	U	6.3
trans-1,2-Dichloroethene	156-60-5	1.6	U	1.6	6.3	U	6.3
1,1-Dichloroethane	75-34-3	1.6	U	1.6	6.5	U	6.5
cis-1,2-Dichloroethene	156-59-2	1.7	NJ	1.6	6.7	NJ	6.3
1,1,1-Trichloroethane	71-55-6	1.6	U	1.6	8.7	U	8.7
Benzene	71-43-2	1.6	U	1.6	5.1	U	5.1
1,2-Dichloroethane	107-06-2	1.6	U	1.6	6.5	U	6.5
Trichloroethene	79-01-6	320		1.6	1700		8.6
Toluene	108-88-3	1.6	U	1.6	6.0	U	6.0
1,1,2-Trichloroethane	79-00-5	1.6	U	1.6	8.7	U	8.7
Tetrachloroethene	127-18-4	1.6	U	1.6	11	U	11
Ethylbenzene	100-41-4	1.6	U	1.6	6.9	U	6.9
Xylene (m,p)	1330-20-7	4.0	U	4.0	17	U	17
Xylene (o)	95-47-6	1.6	U	1.6	6.9	U	6.9
1,1,2,2-Tetrachloroethane	79-34-5	1.6	U	1.6	11	U	11

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SVSS-B13-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 780243

Date Analyzed: 12/26/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
1,1-Dichloroethane	75-34-3	0.20	U	0.20	0.81	U	0.81
cis-1,2-Dichloroethene	156-59-2	0.20	U	0.20	0.79	U	0.79
1,1,1-Trichloroethane	71-55-6	0.65		0.20	3.5		1.1
Benzene	71-43-2	0.21		0.20	0.67		0.64
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
Trichloroethene	79-01-6	0.29		0.20	1.6		1.1
Toluene	108-88-3	0.35		0.20	1.3		0.75
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.52		0.20	3.5		1.4
Ethylbenzene	100-41-4	0.20	U	0.20	0.87	U	0.87
Xylene (m,p)	1330-20-7	0.50	U	0.50	2.2	U	2.2
Xylene (o)	95-47-6	0.20	U	0.20	0.87	U	0.87
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SVSS-B10A-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 780258

Date Analyzed: 12/26/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
1,1-Dichloroethane	75-34-3	0.38		0.20	1.5		0.81
cis-1,2-Dichloroethene	156-59-2	0.20	U	0.20	0.79	U	0.79
1,1,1-Trichloroethane	71-55-6	0.46		0.20	2.5		1.1
Benzene	71-43-2	0.20	U	0.20	0.64	U	0.64
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
Trichloroethene	79-01-6	1.9		0.20	10		1.1
Toluene	108-88-3	0.20	U	0.20	0.75	U	0.75
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	14		0.20	95		1.4
Ethylbenzene	100-41-4	0.20	U	0.20	0.87	U	0.87
Xylene (m,p)	1330-20-7	0.50	U	0.50	2.2	U	2.2
Xylene (o)	95-47-6	0.20	U	0.20	0.87	U	0.87
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SVSS-B13A-01

Lab Name: TAL Burlington

SDG Number: NY129447

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 780259

Date Analyzed: 12/26/2008

Date Received: 12/19/2008

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
1,1-Dichloroethane	75-34-3	0.20	U	0.20	0.81	U	0.81
cis-1,2-Dichloroethene	156-59-2	0.20	U	0.20	0.79	U	0.79
1,1,1-Trichloroethane	71-55-6	0.20	U	0.20	1.1	U	1.1
Benzene	71-43-2	0.20	U	0.20	0.64	U	0.64
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
Trichloroethene	79-01-6	0.20	U	0.20	1.1	U	1.1
Toluene	108-88-3	0.20	U	0.20	0.75	U	0.75
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.20	U	0.20	1.4	U	1.4
Ethylbenzene	100-41-4	0.20	U	0.20	0.87	U	0.87
Xylene (m,p)	1330-20-7	0.50	U	0.50	2.2	U	2.2
Xylene (o)	95-47-6	0.20	U	0.20	0.87	U	0.87
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4