AECOM
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Buffalo, NY 14202

716-856-5636 tel

February 7, 2018

Harry D. Warner, P.E.
Regional Hazardous Waste Remediation Engineer
NYSDEC Region 7
Division of Environmental Remediation
615 Erie Blvd. West
Syracuse, New York 13204-2400

Subject: Carrier Corporation, Thompson Road Facility, Syracuse, New York
Corrective Action Order — Index CO 7-20051118-4
Site Registry No.: 734043
Vapor Intrusion Investigation – December 2017 Results – Round 1

Dear Mr. Warner:

On behalf of United Technologies Corporation (UTC), AECOM Technical Services, Inc. (AECOM) is hereby submitting the attached figures and tables presenting the December 2017 vapor intrusion (VI) investigation results for New York State Department of Environmental Conservations (NYSDEC) and New York State Department of Health (NYSDOH) review.

The VI investigation was performed in accordance with the approved work plan and began with utility clearance activities performed on November 28th and 29th. Sub-slab soil vapor, indoor air, and outdoor air samples were collected on subsequent days using evacuated, stainless-steel Summa canisters to characterize conditions at the buildings of interest. Sampling occurred on the following schedule:

- Building TR-20 on December 4th;
- Building TR-19 on December 5th;
- Building TR-4 on December 6th;
- Building TR-5 on December 7th;
- Buildings TR-7 and TR-7A on December 8th; and
- Buildings TR-6A, TR-8, TR10, and TR-21 all on December 11th.

Consistent with NYSDOH guidance, the sampling occurred during the winter heating season (November 15th to March 31st).

Over the first 11 days of December, the temperature ranged from 22 degrees Fahrenheit (°F) to 54°F. The days were warmest on December 4th and 5th, and temperatures were generally at or below freezing during sampling events on subsequent days. Barometric pressure ranged from 29.68 to 30.39 inches of mercury (in. Hg), with readings generally stable except for falling pressure on December 4th and 5th. Wind gusts up to 43 miles per hour (mph) occurred on December 5th in conjunction with the falling pressure. There was a total of 0.29 in. of precipitation, which largely occurred on December 5th. Skies were generally overcast during the sampling period. Overall, the meteorological conditions are consistent with expected heating season conditions.

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The overall site is shown in Figure 1 and results for individual buildings are shown in Figures 2 through 12. Results also are tabulated in Table 1. The figures give the size of the building in square feet (SF) and the typical number of occupants during the day shift. Color coding of the floor space indicates the building function (e.g., warehouse, office, lab, other).

Data were collected for various chlorinated volatile organic compounds (CVOCs), petroleum hydrocarbons associated with gasoline (i.e., benzene, toluene, ethylbenzene and xylenes [BTEX]), and methylene chloride. A preliminary data review was performed and there are no findings that merit immediate response action.

Field notes indicate that gasoline-powered vehicles were present in Buildings TR-5 and TR-6A, which potentially explains the petroleum hydrocarbons detections at higher concentrations near these vehicles.

A second round of testing is scheduled to be completed before the end of the heating season (nominally March 31). Evaluation of VI will be performed once both sets of data are available and will take into account all available lines of evidence. In the interim, selected information is summarized below for each building with an emphasis on trichloroethylene (TCE), which is the primary CVOC of interest in the subsurface.

Building	Max. TCE Indoor Air ($\mu g/m^3$)	TCE Outdoor Air ($\mu g/m^3$)	Max. TCE Sub-Slab ($\mu g/m^3$)	Comments
TR-4	0.53	0.37	88.67 J	Crawl-space sample (TR4-SSV-3) had 14.7 $\mu g/m^3$
TR-5	0.53	0.13	1,030	Highest sub-slab reading is in warehouse/storage area
TR-6A	0.47	0.02 J	19.8	
TR-7	2.08	0.09 J	105	
TR-7A	0.42		100	Building is laboratory space
TR-8	2.72	0.02 J	318	Building use is warehouse/storage area
TR-10	0.12	0.02 J	4.39 U	
TR-12	0.40	0.04 J	790	Building is laboratory space
TR-19	1.54	0.11	221.42	Highest sub-slab reading is in warehouse/storage area
TR-20	0.20	0.17	5,370	Highest sub-slab reading is in warehouse/storage area
TR-21	0.11 U	0.02 J	57.5	Building is laboratory space
SWTP	--	0.38	924	

Notes: $\mu g/m^3$ – micrograms per cubic meter, J – The result is an estimated quantity. U- The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

The second round of testing will be performed at the same locations as the first round of testing, except as noted below:

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- For Building TR-7, three additional indoor air/sub-slab locations will be sampled to better understand the attenuation across the slab in this building.

- For Building TR-8, two additional indoor air/sub-slab locations will be sampled during the second round to provide better coverage of the space. Additional building survey to be performed to look for cracks, drains, etc. where soil gas could enter the building.

- For Building TR-19, two additional indoor air/sub-slab locations will be sampled during the second round based on NYSDEC comments on the work plan.

- For Building TR-20, an additional indoor air/sub-slab location will be sampled to the East of SSV-3. Also, because location TR20-IA-2/SSV-2 concentrations were very low, the second round sampling point will be relocated a short distance to the West so that it is approximately north of location TR20-SSV-3 where elevated TCE concentrations were detected.

- For the SWTP building, three additional sub-slab locations will be sampled to better characterize the distribution of VOCs beneath the slab in this building.

The second round of testing is scheduled to begin Monday February 26th. Please call me at (716) 923-1150 if you have any questions.

Sincerely,

Robert E. Murphy, PE
Project Manager

Robert.E.Murphy@AECOM.com

cc: Michael Belveg, NYSDEC
Julia M. Kenney, NYSDOH (hard copy)
Maureen Schuck, NYSDOH
John Wolski, UTC
Kathleen McFadden, UTC
Joe Basile, Carrier Corporation

N

SANDERS CREEK

CARRIER PKWY

FIRST ST

THOMPSON RD

KINNE ST

VERIZON SERVICE RD

TR-1

TR-2

TR-3

SWTP

SWTP-OA-1

SWTP-SSV-1

SWTP-SSV-2

A&R

TR-4

TR4-SSV-1

TR4-IA-1

TR4-SSV-2

TR4-IA-2

TR4-IA-3

TR4-SSV-3

TR4-SSV-4

TR4-IA-4

TR4-SSV-5

TR4-IA-5

TR4-OA-1

TR-5

TR5-IA-1

TR5-SSV-1

TR5-IA-2

TR5-SSV-2

TR5-SSV-3

TR5-IA-3

TR5-OA-1

TR5-SSV-5

TR5-SSV-4

TR5-IA-4

TR5-IA-5

TR-6

TR6A-OA-1

TR-6A

TR6A-IA-1

TR6A-SSV-1

TR-7

TR7A-IA-1

TR7A-SSV-1

TR7-SSV-1

TR7-IA-1

TR7-IA-2

TR7-SSV-2

TR7-IA-3

TR7-SSV-3

TR-7A

TR7A-SSV-2

TR7A-IA-2

TR7-OA-1

TR-10

TR10-SSV-1

TR10-IA-1

TR-11

TR-13

TR-8

TR8-SSV-1

TR8-IA-1

TR-23

TR-10A

TR-12

TR12-OA-1

TR12-SSV-1

TR12-IA-1

TR-14

TR-18

TR-18S

TR-19

TR19-IA-1

TR19-SSV-1

TR19-IA-2

TR19-SSV-2

TR19-SSV-3

TR19-IA-3

TR19-SSV-4

TR19-IA-4

TR19-IA-5

TR19-SSV-5

TR19-OA-1

TR19-IA-6

TR19-SSV-6

TR-20

TR20-IA-1

TR20-SSV-1

TR20-SSV-2

TR20-IA-2

TR20-OA-1

TR20-IA-3

TR20-SSV-3

TR20-SSV-4

TR20-IA-4

TR20-SSV-5

TR20-IA-5

TR20-SSV-6

TR20-IA-6

TR-21

TR21-IA-1

TR21-SSV-1

TR21-IA-2

TR21-SSV-2

TR-21A

Legend

- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location

Building Status:

- Operating SSDS
- Occupied
- Unoccupied

NOTES: SSDS = Sub-Slab Depressurization System

300 0 300 Feet

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
SAMPLE LOCATIONS
DECEMBER 2017

AECOM

FIGURE 1

J:\Projects\60310231_UTCAOCGRIMISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\SAMPLE LOCATIONS.mxd 2/1/2018

N

TR4-IA-2	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.37
Carbon tetrachloride	0.32
Ethylbenzene	ND
Methylene chloride	0.41
Tetrachloroethene	0.03
Toluene	0.42
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR4-IA-3	12/17
VOCs:	
1,1,1-Trichloroethane	1.72
1,1-Dichloroethane	0.19
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	0.71
1,2-Dichloroethene (trans)	ND
Benzene	0.63
Carbon tetrachloride	0.38
Ethylbenzene	ND
Methylene chloride	0.49
Tetrachloroethene	0.09
Toluene	1.55
Trichloroethene	0.53
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	0.26

TR4-SSV-3	12/17
VOCs:	
1,1,1-Trichloroethane	42.61
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	11.66
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	14.73
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR4-SSV-4	12/17
VOCs:	
1,1,1-Trichloroethane	11.29
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	23.93
Trichloroethene	88.67
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR4-IA-4A	12/17
VOCs:	
1,1,1-Trichloroethane	1.15
1,1-Dichloroethane	0.09
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.56
Carbon tetrachloride	0.33
Ethylbenzene	0.43
Methylene chloride	0.95
Tetrachloroethene	0.11
Toluene	3.11
Trichloroethene	0.31
Vinyl chloride	ND
m&p-Xylene	1.42
o-Xylene	0.74

TR4-IA-4B	12/17
VOCs:	
1,1,1-Trichloroethane	0.93
1,1-Dichloroethane	0.09
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.46
Carbon tetrachloride	0.52
Ethylbenzene	0.47
Methylene chloride	1.02
Tetrachloroethene	0.07
Toluene	2.08
Trichloroethene	0.29
Vinyl chloride	ND
m&p-Xylene	1.28
o-Xylene	0.64

TR4-SSV-2	12/17
VOCs:	
1,1,1-Trichloroethane	18.93
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	14.78
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR4-IA-1	12/17
VOCs:	
1,1,1-Trichloroethane	0.21
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.77
Carbon tetrachloride	0.38
Ethylbenzene	0.4
Methylene chloride	0.66
Tetrachloroethene	0.15
Toluene	1.63
Trichloroethene	0.12
Vinyl chloride	ND
m&p-Xylene	1.35
o-Xylene	0.44

TR4-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	40.27
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	85.99
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR4-OA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.41
Carbon tetrachloride	0.25
Ethylbenzene	1.57
Methylene chloride	0.27
Tetrachloroethene	0.04
Toluene	1.8
Trichloroethene	0.37
Vinyl chloride	ND
m&p-Xylene	3.45
o-Xylene	1.27

TR4-IA-5	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.72
Carbon tetrachloride	0.37
Ethylbenzene	0.8
Methylene chloride	1.16
Tetrachloroethene	0.04
Toluene	2.17
Trichloroethene	0.1
Vinyl chloride	ND
m&p-Xylene	3.35
o-Xylene	1.47

TR4-SSV-5	12/17
VOCs:	
1,1,1-Trichloroethane	83.48
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	9.54
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	10.31
Trichloroethene	67.18
Vinyl chloride	ND
m&p-Xylene	45.09
o-Xylene	21.89

MW-84

MW-69

SSAS-4

SSAS-11

VMP-1

VMP-2

VMP-3

VMP-4

VMP-5

VMP-6

SSDS-1

SSDS-2

SSDS-3

Approximate Location of SWMU4

Approximate Location of SWMU2

Approximate Location of SWMU3

Approximate Location of SWMU1

Legend

- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Historical Sub-Slab/Indoor Air Sample Location
- Approximate Location of Historical SWMU
- Approximate Extraction Point Location
- Approximate VMP Location
- Monitoring Well
- Approximate Area of Influence of the Active Sub-Slab Depressurization System
- Lab
- Office
- Warehouse/Storage
- Other

TR-4
204,493 SF
350 Occupants

NOTES:
- Concentrations shown in micrograms per cubic meter (µg/m^3)
- Crawl space located beneath concrete slab in TR4-SSV-3 area; Sample collected from crawl space air

70 0 70 Feet

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
BUILDING TR-4
DECEMBER 2017

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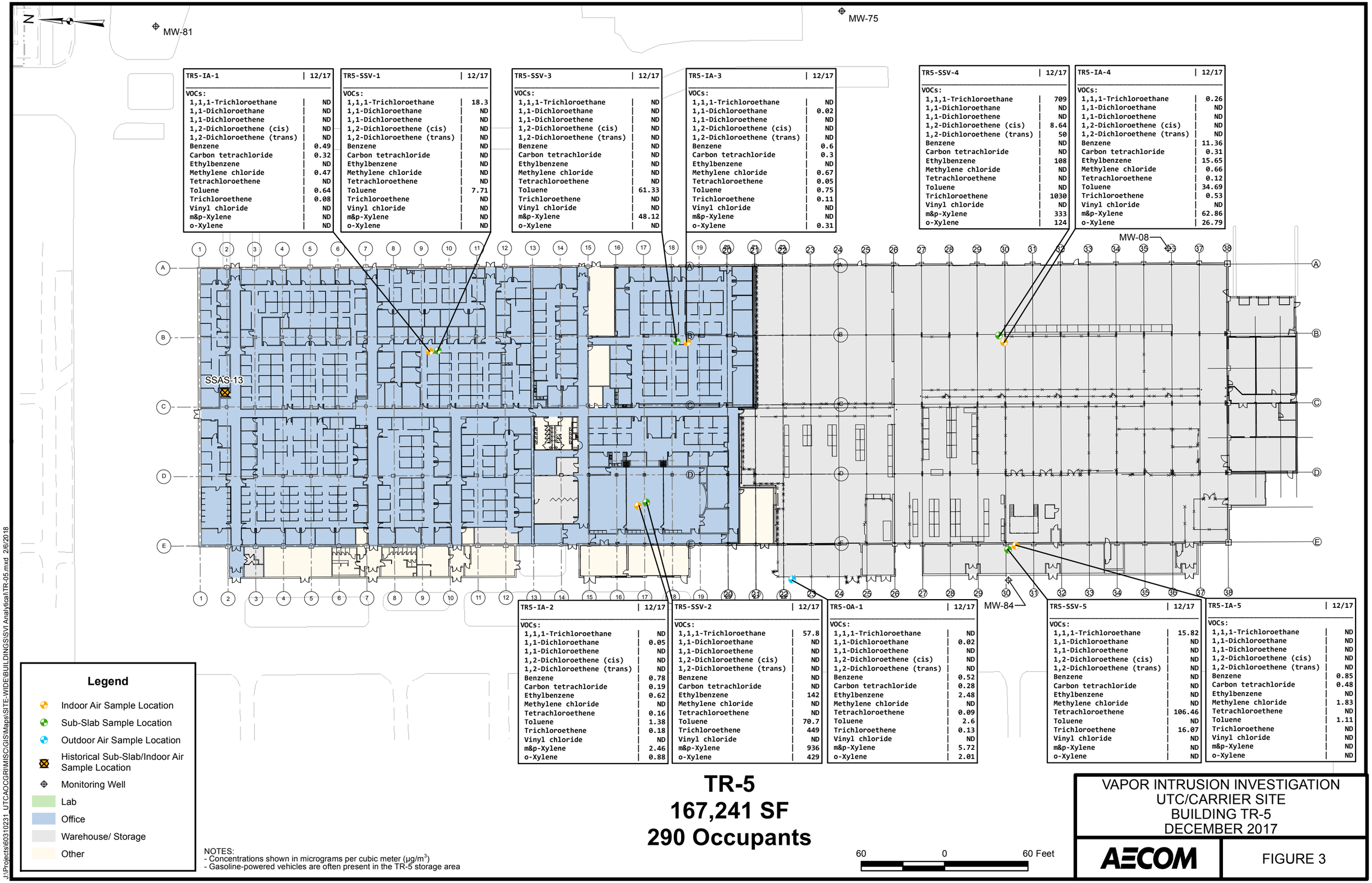
FIGURE 2

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\TR-04.mxd 2/6/2018



NOTES:
- Concentrations shown in micrograms per cubic meter (µg/m^3)
- Gasoline-powered vehicles are often present in the TR-5 storage area

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
BUILDING TR-5
DECEMBER 2017

AECOM

FIGURE 3

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\TR-05.mxd 2/6/2018

N

MW-74

TR6A-OA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.33
Carbon tetrachloride	0.27
Ethylbenzene	ND
Methylene chloride	0.32
Tetrachloroethene	0.03
Toluene	0.36
Trichloroethene	0.02
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR6A-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	2490
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	65.4
Ethylbenzene	80.2
Methylene chloride	ND
Tetrachloroethene	616
Toluene	6.85
Trichloroethene	19.8
Vinyl chloride	ND
m&p-Xylene	468
o-Xylene	193

TR6A-IA-1	12/17
VOCs:	
1,1,1-Trichloroethane	3.16
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	7.27
Carbon tetrachloride	0.45
Ethylbenzene	6.37
Methylene chloride	0.33
Tetrachloroethene	0.48
Toluene	31.5
Trichloroethene	0.47
Vinyl chloride	ND
m&p-Xylene	27.8
o-Xylene	10.49

MW-69

TR-6A
6,315 SF
5 Occupants

Legend

- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Monitoring Well
- Lab
- Office
- Warehouse/ Storage
- Other

NOTES:
- Concentrations shown in micrograms per cubic meter (µg/m^3)
- Gasoline-powered vehicles are often present in the TR-6A storage area

30 0 30 Feet

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
BUILDING TR-6A
DECEMBER 2017

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FIGURE 4

J:\Projects\60310231_UTCAOCGR\MISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\TR-06A.mxd 2/6/2018

N

MW-69

TR7A-IA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.54
Carbon tetrachloride	0.3
Ethylbenzene	1.34
Methylene chloride	0.73
Tetrachloroethene	0.26
Toluene	1.35
Trichloroethene	0.42
Vinyl chloride	ND
m&p-Xylene	5.03
o-Xylene	2.39

TR7A-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	23.6
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	21
Vinyl chloride	ND
m&p-Xylene	23.2
o-Xylene	ND

TR7A-SSV-2	12/17
VOCs:	
1,1,1-Trichloroethane	74.2
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	51.6
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	9.14
Trichloroethene	100
Vinyl chloride	ND
m&p-Xylene	156
o-Xylene	24.2

TR7A-IA-2	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.71
Carbon tetrachloride	0.31
Ethylbenzene	ND
Methylene chloride	3.85
Tetrachloroethene	0.07
Toluene	0.71
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR7-OA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	0.03
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.52
Carbon tetrachloride	0.3
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	0.39
Trichloroethene	0.09
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR7-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	21.3
1,1-Dichloroethane	8.99
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	22.84
1,2-Dichloroethene (trans)	ND
Benzene	7.91
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	19.4
Trichloroethene	105
Vinyl chloride	ND
m&p-Xylene	22.7
o-Xylene	15.43

TR7-IA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.74
Carbon tetrachloride	0.29
Ethylbenzene	1.45
Methylene chloride	1.61
Tetrachloroethene	0.09
Toluene	2.42
Trichloroethene	0.22
Vinyl chloride	ND
m&p-Xylene	4.19
o-Xylene	1.54

TR7-SSV-3	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	24.6
Trichloroethene	25.2
Vinyl chloride	ND
m&p-Xylene	31.1
o-Xylene	11.8

TR7-IA-3	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.94
Carbon tetrachloride	0.23
Ethylbenzene	0.68
Methylene chloride	0.43
Tetrachloroethene	0.09
Toluene	2.21
Trichloroethene	2.08
Vinyl chloride	ND
m&p-Xylene	2.53
o-Xylene	1.08

TR7-SSV-2	12/17
VOCs:	
1,1,1-Trichloroethane	27
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	1220
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	17.2
Trichloroethene	20.4
Vinyl chloride	ND
m&p-Xylene	6330
o-Xylene	3050

TR7-IA-2	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	0.03
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.88
Carbon tetrachloride	0.16
Ethylbenzene	0.59
Methylene chloride	0.47
Tetrachloroethene	0.1
Toluene	1.77
Trichloroethene	0.22
Vinyl chloride	ND
m&p-Xylene	2.34
o-Xylene	1.01

Proposed Additional Indoor Air and Sub-Slab Locations for Round 2

10 9 8 7 6 5 4 3 2 1

A

TR-7A
16,276 SF

70 Occupants (Combined)

TR-7
13,867 SF

Legend

- Proposed Additional Indoor Air and Sub-Slab Location for Round 2
- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Monitoring Well
- Lab
- Office
- Warehouse/Storage
- Other

NOTE:
- Concentrations shown in micrograms per cubic meter ($\mu g/m^3$)

40 0 40 Feet

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
BUILDING TR-7 & TR-7A
DECEMBER 2017

AECOM

FIGURE 5

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\TR-07 & TR-07A.mxd 2/6/2018

N

MW-74

MW-16D

TR6A-OA-1

TR8-IA-1	12/17
VOCs:	
1,1,1-Trichloroethane	0.79
1,1-Dichloroethane	0.39
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	4.48
1,2-Dichloroethene (trans)	ND
Benzene	2.09
Carbon tetrachloride	0.29
Ethylbenzene	1.91
Methylene chloride	0.67
Tetrachloroethene	0.33
Toluene	10.23
Trichloroethene	2.72
Vinyl chloride	0.47
m&p-Xylene	7.72
o-Xylene	3.06

Proposed Additional Indoor Air and Sub-Slab Location for Round 2

Proposed Additional Indoor Air and Sub-Slab Location for Round 2

TR8-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	21.7
1,1-Dichloroethane	61.6
1,1-Dichloroethene	9.24
1,2-Dichloroethene (cis)	551
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	8.58
Tetrachloroethene	16.1
Toluene	ND
Trichloroethene	318
Vinyl chloride	51.4
m&p-Xylene	ND
o-Xylene	ND

TR-8
34,859 SF
2 Occupants

MW-09

Legend

- Proposed Additional Indoor Air and Sub-Slab Location for Round 2
- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Monitoring Well
- Lab
- Office
- Warehouse/Storage
- Other

NOTES:
- Concentrations shown in micrograms per cubic meter (µg/m^3)
- The corresponding outdoor air sample, TR6A-OA-1, does not fall on this figure

50 0 50 Feet

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
BUILDING TR-8
DECEMBER 2017

AECOM

FIGURE 6

J:\Projects\60310231_UTCAOCGRIMISC\GIS\Maps\SITE-WIDE\BUILDINGS\SSV\ Analytical\TR-08.mxd 2/6/2018

N

TR6A-OA-1

TR10-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	17
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	50.7
o-Xylene	28.6

TR10-IA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	0.03
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.33
Carbon tetrachloride	0.28
Ethylbenzene	ND
Methylene chloride	0.28
Tetrachloroethene	ND
Toluene	0.45
Trichloroethene	0.12
Vinyl chloride	0.03
m&p-Xylene	ND
o-Xylene	0.23

MW-09

E D C B A

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Approximate Location of SWMU8
Main Hazardous Waste Storage Area

TR-10
16,902 SF
3 Occupants

MW-72

Legend

- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Approximate Location of Historical SWMU
- Monitoring Well
- Lab
- Office
- Warehouse/ Storage
- Other

NOTES:
- Concentrations shown in micrograms per cubic meter ($\mu g/m^3$)
- The corresponding outdoor air sample, TR6A-OA-1, does not fall on this figure

30 0 30 Feet

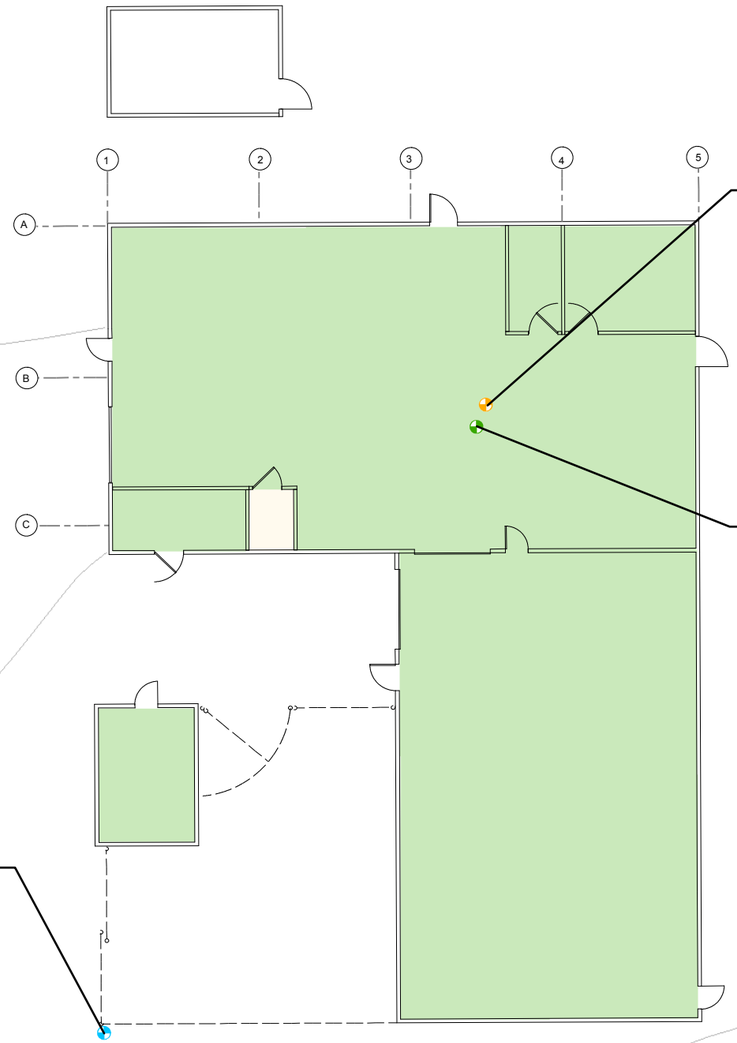
VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
BUILDING TR-10
DECEMBER 2017

AECOM

FIGURE 7

J:\Projects\60310231_UTCAOCGR\MISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\TR-10.mxd 2/6/2018

TR-12
5,903 SF
1 Occupant



TR12-IA-1	12/17
VOCs:	
1,1,1-Trichloroethane	0.5
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	0.34
1,2-Dichloroethene (trans)	ND
Benzene	1.13
Carbon tetrachloride	0.24
Ethylbenzene	2.58
Methylene chloride	0.61
Tetrachloroethene	ND
Toluene	6.28
Trichloroethene	0.4
Vinyl chloride	0.03
m&p-Xylene	6.94
o-Xylene	2.45

TR12-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	15.4
1,1-Dichloroethane	22.4
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	126
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	12.5
Toluene	ND
Trichloroethene	790
Vinyl chloride	ND
m&p-Xylene	43.8
o-Xylene	27.9

TR12-OA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.33
Carbon tetrachloride	0.25
Ethylbenzene	ND
Methylene chloride	0.39
Tetrachloroethene	0.01
Toluene	0.53
Trichloroethene	0.04
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

Legend

- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Lab
- Office
- Warehouse/Storage
- Other

NOTE:
- Concentrations shown in micrograms per cubic meter (µg/m^3)

20 0 20 Feet

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
BUILDING TR-12
DECEMBER 2017

AECOM

FIGURE 8

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\TR-12.mxd 2/6/2018

N

TR19-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	8.78
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR19-SSV-4	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	274
1,2-Dichloroethene (trans)	44.01
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	114.02
Methylene chloride	ND
Tetrachloroethene	23.46
Toluene	14.19
Trichloroethene	221.42
Vinyl chloride	6.21
m&p-Xylene	780.37
o-Xylene	550.59

TR19-IA-4	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	1.21
Carbon tetrachloride	0.29
Ethylbenzene	0.62
Methylene chloride	0.32
Tetrachloroethene	ND
Toluene	2.64
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	2.36
o-Xylene	1.3

TR19-IA-6	12/17
VOCs:	
1,1,1-Trichloroethane	0.29
1,1-Dichloroethane	0.09
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.99
Carbon tetrachloride	0.42
Ethylbenzene	ND
Methylene chloride	0.65
Tetrachloroethene	0.08
Toluene	1.11
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	1.05
o-Xylene	0.5

TR19-SSV-6	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	12.34
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

MW-82

TR19-IA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.53
Carbon tetrachloride	0.27
Ethylbenzene	0.42
Methylene chloride	0.47
Tetrachloroethene	ND
Toluene	0.99
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	0.95
o-Xylene	0.33

Proposed Additional Indoor Air and Sub-Slab Location for Round 2

Approximate Area of Former Degreaser

Approximate Location of SWMU12 Satellite Accumulation Areas

MW-83

TR19-IA-2	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	1.23
Carbon tetrachloride	0.26
Ethylbenzene	1.05
Methylene chloride	0.42
Tetrachloroethene	0.25
Toluene	3.36
Trichloroethene	1.54
Vinyl chloride	ND
m&p-Xylene	4.64
o-Xylene	2.15

Approximate Location of SWMU14 Wet Paint Booths

TR-19
334,240 SF
146 Occupants

TR19-SSV-2	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

Proposed Additional Indoor Air and Sub-Slab Location for Round 2

MW-81

MW-75

TR19-SSV-3	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	11.97
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	26.12
Vinyl chloride	ND
m&p-Xylene	76.74
o-Xylene	18.34

TR19-IA-3	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.43
Carbon tetrachloride	0.28
Ethylbenzene	1.66
Methylene chloride	1.53
Tetrachloroethene	0.49
Toluene	4.03
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	4.81
o-Xylene	2.05

TR19-OA-1	12/17
VOCs:	
1,1,1-Trichloroethane	0.22
1,1-Dichloroethane	0.07
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.41
Carbon tetrachloride	0.43
Ethylbenzene	ND
Methylene chloride	0.52
Tetrachloroethene	0.06
Toluene	0.31
Trichloroethene	0.11
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR19-IA-5	12/17
VOCs:	
1,1,1-Trichloroethane	0.65
1,1-Dichloroethane	0.29
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.73
Carbon tetrachloride	0.38
Ethylbenzene	0.82
Methylene chloride	0.58
Tetrachloroethene	0.08
Toluene	1.55
Trichloroethene	0.53
Vinyl chloride	ND
m&p-Xylene	2.29
o-Xylene	0.88

TR19-SSV-5	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

Legend

- Proposed Additional Indoor Air and Sub-Slab Location for Round 2
- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Approximate Location of Historical SWMU
- Monitoring Well
- Former Degreaser Location
- Lab
- Office
- Warehouse/Storage
- Other

NOTE:
- Concentrations shown in micrograms per cubic meter ($\mu g/m^3$)

100 0 100 Feet

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
BUILDING TR-19
DECEMBER 2017

AECOM

FIGURE 9

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\TR-19.mxd 2/6/2018

N

TR20-OA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.84
Carbon tetrachloride	0.35
Ethylbenzene	0.52
Methylene chloride	0.48
Tetrachloroethene	0.12
Toluene	1
Trichloroethene	0.17
Vinyl chloride	ND
m&p-Xylene	0.87
o-Xylene	0.35

TR20-SSV-4	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	49
Methylene chloride	ND
Tetrachloroethene	2.83
Toluene	26.1
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	249
o-Xylene	85.8

TR20-IA-4	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	1.16
Carbon tetrachloride	0.2
Ethylbenzene	0.88
Methylene chloride	0.35
Tetrachloroethene	0.05
Toluene	2.77
Trichloroethene	0.04
Vinyl chloride	ND
m&p-Xylene	3.15
o-Xylene	1.26

TR20-SSV-2	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR20-IA-2	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.7
Carbon tetrachloride	0.19
Ethylbenzene	0.42
Methylene chloride	0.3
Tetrachloroethene	0.07
Toluene	1.06
Trichloroethene	0.05
Vinyl chloride	ND
m&p-Xylene	1.14
o-Xylene	0.38

TR20-SSV-3	12/17
VOCs:	
1,1,1-Trichloroethane	387
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	62
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	43.6
Trichloroethene	5370
Vinyl chloride	ND
m&p-Xylene	338
o-Xylene	102

TR20-IA-3	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	1.34
Carbon tetrachloride	0.22
Ethylbenzene	1.02
Methylene chloride	0.37
Tetrachloroethene	0.08
Toluene	3.19
Trichloroethene	0.07
Vinyl chloride	ND
m&p-Xylene	3.97
o-Xylene	1.6

TR20-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	15.06
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	ND
Methylene chloride	2.53
Tetrachloroethene	ND
Toluene	4.89
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR20-IA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.72
Carbon tetrachloride	0.19
Ethylbenzene	ND
Methylene chloride	0.46
Tetrachloroethene	0.04
Toluene	1.03
Trichloroethene	0.02
Vinyl chloride	ND
m&p-Xylene	0.83
o-Xylene	0.35

TR20-SSV-5	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	13.1
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	22.1
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	22
o-Xylene	ND

TR20-IA-5	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	1.76
Carbon tetrachloride	0.2
Ethylbenzene	1.37
Methylene chloride	0.5
Tetrachloroethene	0.07
Toluene	4.4
Trichloroethene	0.2
Vinyl chloride	ND
m&p-Xylene	5.12
o-Xylene	2.21

TR20-SSV-6	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	14.9
Carbon tetrachloride	ND
Ethylbenzene	131
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	21
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	633
o-Xylene	512

TR20-IA-6	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.7
Carbon tetrachloride	0.32
Ethylbenzene	ND
Methylene chloride	0.45
Tetrachloroethene	0.04
Toluene	0.74
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

Property Line

KINNE ST

SVS-1

SVS-2

Approximate Location of SWMU14 Wet Paint Booths

MW-76

MW-78

MW-82

Proposed Additional Indoor Air and Sub-Slab Location for Round 2

Approximate Location of SWMU14 Wet Paint Booths

Proposed Location of TR20-IA-2/TR20-SSV-2 for Round 2

Approximate Location of SWMU14 Wet Paint Booths

Approximate Location of SWMU12 Satellite Accumulation Areas

TR-20
446,515 SF
180 Occupants

Legend

- Proposed Additional Indoor Air and Sub-Slab Location for Round 2
- Proposed Location of TR20-IA-2/ TR20-SSV-2 for Round 2
- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Approximate Location of Historical SWMU
- Historical Soil Vapor Probe Location
- Monitoring Well
- Lab
- Office
- Warehouse/Storage
- Other

NOTE:
- Concentrations shown in micrograms per cubic meter (µg/m^3)

110 0 110 Feet

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
BUILDING TR-20
DECEMBER 2017

AECOM

FIGURE 10

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\TR-20.mxd 2/6/2018

TR-21
31,137 SF
15 Occupants

TR21-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	32.2
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	382
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	25.6
Trichloroethene	47.4
Vinyl chloride	ND
m&p-Xylene	2080
o-Xylene	915

TR21-IA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.59
Carbon tetrachloride	0.38
Ethylbenzene	ND
Methylene chloride	1.69
Tetrachloroethene	0.08
Toluene	0.81
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

TR21-SSV-2	12/17
VOCs:	
1,1,1-Trichloroethane	78.6
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	1.88
Carbon tetrachloride	ND
Ethylbenzene	74.1
Methylene chloride	ND
Tetrachloroethene	13.7
Toluene	22.7
Trichloroethene	57.5
Vinyl chloride	ND
m&p-Xylene	356
o-Xylene	144

TR21-IA-2	12/17
VOCs:	
1,1,1-Trichloroethane	0.33
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.53
Carbon tetrachloride	0.42
Ethylbenzene	0.75
Methylene chloride	0.8
Tetrachloroethene	0.08
Toluene	1.11
Trichloroethene	ND
Vinyl chloride	ND
m&p-Xylene	2.73
o-Xylene	1.37

MW-74

TR6A-OA-1

Legend

- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Monitoring Well
- Lab
- Office
- Warehouse/Storage
- Other

NOTE:
- Concentrations shown in micrograms per cubic meter (µg/m^3)
- The corresponding outdoor air sample, TR6A-OA-1, does not fall on this figure

30 0 30 Feet

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
BUILDING TR-21
DECEMBER 2017

AECOM

FIGURE 11

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\TR-21.mxd 2/6/2018

N

SWTP-SSV-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	17.2
1,2-Dichloroethene (trans)	ND
Benzene	7.37
Carbon tetrachloride	ND
Ethylbenzene	78.5
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	924
Vinyl chloride	ND
m&p-Xylene	477
o-Xylene	205

SWTP-OA-1	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	ND
1,2-Dichloroethene (trans)	ND
Benzene	0.48
Carbon tetrachloride	0.22
Ethylbenzene	ND
Methylene chloride	0.4
Tetrachloroethene	0.44
Toluene	0.43
Trichloroethene	0.38
Vinyl chloride	ND
m&p-Xylene	ND
o-Xylene	ND

SWTP-SSV-2	12/17
VOCs:	
1,1,1-Trichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
1,2-Dichloroethene (cis)	23.4
1,2-Dichloroethene (trans)	ND
Benzene	ND
Carbon tetrachloride	ND
Ethylbenzene	47.7
Methylene chloride	ND
Tetrachloroethene	ND
Toluene	ND
Trichloroethene	130
Vinyl chloride	ND
m&p-Xylene	255
o-Xylene	96.2

MW-18
MW-60
MW-48
PLR056
PLR057
MW-51
MW-52
MW-53
PLR061
PLR060
MW-54
PLR058
MW-47
MW-54D
MW-61

Proposed Additional Sub-Slab Locations for Round 2

SWTP
10,811 SF
1 Occupant

Legend

- Proposed Additional Sub-Slab Location for Round 2
- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Monitoring Well
- Lab
- Office
- Warehouse/Storage
- Other

NOTE:
- Concentrations shown in micrograms per cubic meter ($\mu g/m^3$)
- No Indoor air samples taken at this building

30 0 30 Feet

VAPOR INTRUSION INVESTIGATION
UTC/CARRIER SITE
SWTP BUILDING
DECEMBER 2017

AECOM

FIGURE 12

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\BUILDINGS\SVI Analytical\SWTP.mxd 2/6/2018

UTC/Carrier VI Sampling Results
December 2017

Location ID		TR4-IA-1	TR4-IA-1	TR4-SSV-1	TR4-SSV-1	TR4-IA-2	TR4-SSV-2	TR4-IA-3	TR4-SSV-3[1]
Sample ID		FD-IA-120617	TR4-IA-1	FD-SSV-120617	TR4-SSV-1	TR4-IA-2	TR4-SSV-2	TR4-IA-3	TR4-SSV-3
Matrix		Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Date Sampled		12/06/17	12/06/17	12/06/17	12/06/17	12/06/17	12/06/17	12/06/17	12/06/17
Parameter	**Units**	Field Duplicate (1-1)		Field Duplicate (1-1)					
Chlorinated VOCs									
Matrix A									
1,1-Dichloroethene	UG/M3	0.01 U	0.01 U	7.89 U	7.89 U	0.01 U	7.89 U	0.01 U	7.89 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	0.30 U	7.53 U	7.53 U	0.30 U	7.53 U	0.71	11.66
Carbon tetrachloride	UG/M3	0.38	0.33	10.95 U	10.95 U	0.32	10.95 U	0.38	10.95 U
Trichloroethene	UG/M3	0.12	0.09 J	81.69	85.99	0.11 U	14.78	0.53	14.73
Matrix B									
1,1,1-Trichloroethane	UG/M3	0.21 J	0.19 UJ	40.27	36.28	0.19 U	18.93	1.72	42.61
Tetrachloroethene	UG/M3	0.15	0.09 J	11.53 U	11.53 U	0.03 J	11.53 U	0.09 J	11.53 U
Matrix C									
Vinyl chloride	UG/M3	0.05 U	0.05 U	4.91 U	4.91 U	0.05 U	4.91 U	0.05 U	4.91 U
Other									
1,1-Dichloroethane	UG/M3	0.01 U	0.01 U	7.21 U	7.21 U	0.01 U	7.21 U	0.19	7.21 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	0.29 U	6.46 U	6.46 U	0.29 U	6.46 U	0.29 U	6.46 U
Non-Chlorinated VOCs									
Benzene	UG/M3	0.66	0.77	6.35 U	6.35 U	0.37	6.35 U	0.63	6.35 U
Ethylbenzene	UG/M3	0.36 U	0.40 J	7.63 U	7.63 U	0.36 U	7.63 U	0.36 U	7.63 U
Methylene chloride	UG/M3	0.52	0.66	7.08 U	7.08 U	0.41	7.08 U	0.49	7.08 U
Toluene	UG/M3	1.19	1.63	6.62 U	6.62 U	0.42	6.62 U	1.55	6.62 U
m&p-Xylene	UG/M3	0.79 U	1.35	15.04 U	15.04 U	0.79 U	15.04 U	0.79 U	15.04 U
o-Xylene	UG/M3	0.24 J	0.44	8.67 U	8.67 U	0.15 U	8.67 U	0.26 J	8.67 U

Notes:

1 - Sample collected from crawlspace

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be biased low.

UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

D – The sample result was reported from a secondary dilution analysis.

UTC/Carrier VI Sampling Results
December 2017

Location ID		TR4-IA-4A	TR4-IA-4B	TR4-SSV-4	TR4-IA-5	TR4-SSV-5	TR4-OA-1
Sample ID		TR4-IA-4A	TR4-IA-4B	TR4-SSV-4	TR4-IA-5	TR4-SSV-5	TR4-OA-1
Matrix		Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Outdoor Air
Date Sampled		12/06/17	12/06/17	12/06/17	12/06/17	12/06/17	12/06/17
Parameter	**Units**						
Chlorinated VOCs							
Matrix A							
1,1-Dichloroethene	UG/M3	0.01 U	0.01 UJ	7.89 U	0.01 U	7.89 U	0.01 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	0.30 U	7.53 U	0.30 U	7.53 U	0.30 U
Carbon tetrachloride	UG/M3	0.33	0.52 J	10.95 U	0.37	10.95 U	0.25
Trichloroethene	UG/M3	0.31	0.29	88.67 J	0.10 J	67.18	0.37
Matrix B							
1,1,1-Trichloroethane	UG/M3	1.15	0.93	11.29 J	0.19 U	83.48	0.19 U
Tetrachloroethene	UG/M3	0.11 J	0.07 J	11.53 U	0.04 J	11.53 U	0.04 J
Matrix C							
Vinyl chloride	UG/M3	0.05 U	0.05 UJ	4.91 U	0.05 U	4.91 U	0.05 U
Other							
1,1-Dichloroethane	UG/M3	0.09	0.09 J	7.21 U	0.01 U	7.21 U	0.01 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	0.29 U	6.46 U	0.29 U	6.46 U	0.29 U
Non-Chlorinated VOCs							
Benzene	UG/M3	0.56	0.46	6.35 U	0.72	6.35 U	0.41
Ethylbenzene	UG/M3	0.43 J	0.47	7.63 U	0.8	9.54 J	1.57
Methylene chloride	UG/M3	0.95	1.02	7.08 U	1.16	7.08 U	0.27 J
Toluene	UG/M3	3.11	2.08	23.93 J-	2.17	10.31	1.8
m&p-Xylene	UG/M3	1.42	1.28	15.04 U	3.35	45.09	3.45
o-Xylene	UG/M3	0.74	0.64	8.67 U	1.47	21.89	1.27

Notes:

1 - Sample collected from crawlspace

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

U – The analyte was analyzed for, but was not detected above reported sample quantitation limit.

J – The result is an estimated quantity. The associated numeri approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be b

UJ – The analyte was analyzed for, but not detected. The repc is approximate and may be inaccurate or imprecise.

D – The sample result was reported from a secondary dilution

UTC/Carrier VI Sampling Results
December 2017

Location ID		TR5-IA-1	TR5-SSV-1	TR5-IA-2	TR5-SSV-2	TR5-IA-3	TR5-SSV-3
Sample ID		TR5-IA-1	TR5-SSV-1	TR5-IA-2	TR5-SSV-2	TR5-IA-3	TR5-SSV-3
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Date Sampled		12/07/17	12/07/17	12/07/17	12/07/17	12/07/17	12/07/17
Parameter	Units						
Chlorinated VOCs							
Matrix A							
1,1-Dichloroethene	UG/M3	0.01 U	7.89 UJ	0.01 U	15.23 U	0.01 U	16.58 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	7.53 UJ	0.30 U	14.51 U	0.30 U	15.78 U
Carbon tetrachloride	UG/M3	0.32	10.95 UJ	0.19	21.14 U	0.3	22.96 U
Trichloroethene	UG/M3	0.08	10.96 UJ	0.18	449 J	0.11	23.00 U
Matrix B							
1,1,1-Trichloroethane	UG/M3	0.19 U	18.3 J	0.19 U	57.8 J	0.19 U	14.24 U
Tetrachloroethene	UG/M3	0.14 U	11.53 UJ	0.16	22.31 U	0.05 J	24.28 U
Matrix C							
Vinyl chloride	UG/M3	0.05 U	4.91 UJ	0.05 U	9.51 U	0.05 U	10.33 U
Other							
1,1-Dichloroethane	UG/M3	0.01 U	7.21 UJ	0.05	13.97 U	0.02 J	15.18 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	6.46 UJ	0.29 U	12.49 U	0.29 U	13.56 U
Non-Chlorinated VOCs							
Benzene	UG/M3	0.49	6.35 UJ	0.78	12.25 U	0.6	13.33 U
Ethylbenzene	UG/M3	0.36 U	7.63 UJ	0.62	142 J	0.36 U	16.04 U
Methylene chloride	UG/M3	0.47	7.08 UJ	0.17 U	13.68 U	0.67	14.86 U
Toluene	UG/M3	0.64	7.71 J	1.38	70.7 J	0.75	61.33
m&p-Xylene	UG/M3	0.79 U	15.04 UJ	2.46	936 J	0.79 U	48.12
o-Xylene	UG/M3	0.15 U	8.67 UJ	0.88	429 J	0.31 J	18.25 U

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be biased low.

D – The sample result was reported from a secondary dilution analysis.

UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

UTC/Carrier VI Sampling Results
December 2017

Location ID		TR5-IA-4	TR5-SSV-4	TR5-IA-5	TR5-SSV-5	TR5-OA-1
Sample ID		TR5-IA-4	TR5-SSV-4	TR5-IA-5	TR5-SSV-5	TR5-OA-1
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Outdoor Air
Date Sampled		12/07/17	12/07/17	12/07/17	12/07/17	12/07/17
Parameter	Units					
Chlorinated VOCs						
Matrix A						
1,1-Dichloroethene	UG/M3	0.01 U	7.89 U	0.01 U	7.89 U	0.01 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	8.64	0.50 U	7.53 U	0.30 U
Carbon tetrachloride	UG/M3	0.31	10.95 U	0.48	10.95 U	0.28
Trichloroethene	UG/M3	0.53	1030	0.01 U	16.07	0.13
Matrix B						
1,1,1-Trichloroethane	UG/M3	0.26 J	709	0.32 U	15.82	0.19 U
Tetrachloroethene	UG/M3	0.12 J	11.53 U	0.01 U	106.46	0.09 J
Matrix C						
Vinyl chloride	UG/M3	0.05 U	4.91 U	0.01 U	4.91 U	0.05 U
Other						
1,1-Dichloroethane	UG/M3	0.01 U	7.21 U	0.01 U	7.21 U	0.02 J
1,2-Dichloroethene (trans)	UG/M3	0.29 U	50	0.48 U	6.46 U	0.29 U
Non-Chlorinated VOCs						
Benzene	UG/M3	11.36	6.35 U	0.85	6.35 U	0.52
Ethylbenzene	UG/M3	15.65	108	0.61 U	7.63 U	2.48
Methylene chloride	UG/M3	0.66	7.08 U	1.83	7.08 U	0.17 U
Toluene	UG/M3	34.69	6.62 U	1.11	6.62 U	2.6
m&p-Xylene	UG/M3	62.86	333	1.33 U	15.04 U	5.72
o-Xylene	UG/M3	26.79	124	0.25 U	8.67 U	2.01

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

U – The analyte was analyzed for, but was not detected above reported sample quantitation limit.

J – The result is an estimated quantity. The associated numeri approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be b

D – The sample result was reported from a secondary dilution

UJ – The analyte was analyzed for, but not detected. The repo is approximate and may be inaccurate or imprecise.

UTC/Carrier VI Sampling Results
December 2017

Location ID		TR6A-IA-1	TR6A-IA-1	TR6A-SSV-1	TR6A-SSV-1	TR6A-OA-1
Sample ID		FD-IA-121117	TR6A-IA-1	FD-SSV-121117	TR6A-SSV-1	TR6A-OA-1
Matrix		Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor	Outdoor Air
Date Sampled		12/11/17	12/11/17	12/11/17	12/11/17	12/11/17
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		
Chlorinated VOCs						
Matrix A						
1,1-Dichloroethene	UG/M3	0.01 U	0.02 U	3.16 U	1.58 U	0.01 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	0.66 U	3.01 U	1.50 U	0.30 U
Carbon tetrachloride	UG/M3	0.3	0.45 D	61.3	65.4	0.27
Trichloroethene	UG/M3	0.47	0.46 D	18.9	19.8	0.02 J
Matrix B						
1,1,1-Trichloroethane	UG/M3	1.85 J	3.16 DJ	2490	2,140 D	0.19 U
Tetrachloroethene	UG/M3	0.32	0.48 D	576	616 D	0.03 J
Matrix C						
Vinyl chloride	UG/M3	0.05 U	0.01 U	1.97 U	0.98 U	0.05 U
Other						
1,1-Dichloroethane	UG/M3	0.01 U	0.01 U	2.89 U	1.45 U	0.01 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	0.63 U	2.59 U	1.29 U	0.29 U
Non-Chlorinated VOCs						
Benzene	UG/M3	4.85	7.27 D	2.54 U	1.27 U	0.33
Ethylbenzene	UG/M3	5.94	6.37 D	75	80.2	0.36 U
Methylene chloride	UG/M3	0.33 J	0.38 UJ	2.83 U	1.42 U	0.32 J
Toluene	UG/M3	31.5	30.8 D	6.85	5.95	0.36 J
m&p-Xylene	UG/M3	23.6	27.8 D	384	468 D	0.79 U
o-Xylene	UG/M3	8.84	10.49 D	170	193	0.15 U

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be biased low.

D – The sample result was reported from a secondary dilution analysis.

UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

UTC/Carrier VI Sampling Results
December 2017

Location ID		TR7A-IA-1	TR7A-SSV-1	TR7A-IA-2	TR7A-SSV-2
Sample ID		TR7A-IA-1	TR7A-SSV-1	TR7A-IA-2	TR7A-SSV-2
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Date Sampled		12/08/17	12/08/17	12/08/17	12/08/17
Parameter	Units				
Chlorinated VOCs					
Matrix A					
1,1-Dichloroethene	UG/M3	0.01 U	7.89 U	0.01 U	7.89 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	7.53 U	0.30 U	7.53 U
Carbon tetrachloride	UG/M3	0.3	10.95 U	0.31	10.95 U
Trichloroethene	UG/M3	0.42	21.0 J	0.11 U	100
Matrix B					
1,1,1-Trichloroethane	UG/M3	0.19 U	23.6	0.19 U	74.2
Tetrachloroethene	UG/M3	0.26	11.53 U	0.07 J	11.53 U
Matrix C					
Vinyl chloride	UG/M3	0.05 U	4.91 U	0.05 U	4.91 U
Other					
1,1-Dichloroethane	UG/M3	0.01 U	7.21 U	0.01 U	7.21 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	6.46 U	0.29 U	6.46 U
Non-Chlorinated VOCs					
Benzene	UG/M3	0.54	6.35 U	0.71	6.35 U
Ethylbenzene	UG/M3	1.34	7.63 U	0.36 U	51.6
Methylene chloride	UG/M3	0.73	7.08 U	3.85	7.08 U
Toluene	UG/M3	1.35	6.62 U	0.71	9.14 J
m&p-Xylene	UG/M3	5.03	23.2	0.79 U	156
o-Xylene	UG/M3	2.39	8.67 U	0.15 U	24.2

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be biased low.

D – The sample result was reported from a secondary dilution analysis.

UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

UTC/Carrier VI Sampling Results
December 2017

Location ID		TR7-IA-1	TR7-SSV-1	TR7-IA-2	TR7-SSV-2	TR7-IA-3	TR7-SSV-3	TR7-OA-1
Sample ID		TR7-IA-1	TR7-SSV-1	TR7-IA-2	TR7-SSV-2	TR7-IA-3	TR7-SSV-3	TR7-OA-1
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Outdoor Air
Date Sampled		12/08/17	12/08/17	12/08/17	12/08/17	12/08/17	12/08/17	12/08/17
Parameter	**Units**							
Chlorinated VOCs								
Matrix A								
1,1-Dichloroethene	UG/M3	0.01 UJ	7.89 U	0.01 U	7.89 U	0.01 U	7.89 U	0.01 U
1,2-Dichloroethene (cis)	UG/M3	0.30 UJ	22.84 D	0.30 U	7.53 U	0.30 U	7.53 U	0.30 U
Carbon tetrachloride	UG/M3	0.29 J	10.95 U	0.16	10.95 U	0.23	10.95 U	0.3
Trichloroethene	UG/M3	0.22 J	105 D	0.22	20.4 J	2.08	25.2 J	0.09 J
Matrix B								
1,1,1-Trichloroethane	UG/M3	0.19 UJ	21.3 D	0.19 U	27	0.19 U	6.77 U	0.19 U
Tetrachloroethene	UG/M3	0.09 J	11.53 U	0.10 J	11.53 U	0.09 J	11.53 U	0.14 U
Matrix C								
Vinyl chloride	UG/M3	0.05 UJ	4.91 U	0.05 U	4.91 U	0.05 U	4.91 U	0.05 U
Other								
1,1-Dichloroethane	UG/M3	0.01 UJ	8.99 D	0.03 J	7.21 U	0.01 U	7.21 U	0.03 J
1,2-Dichloroethene (trans)	UG/M3	0.29 UJ	6.46 U	0.29 U	6.46 U	0.29 U	6.46 U	0.29 U
Non-Chlorinated VOCs								
Benzene	UG/M3	0.74 J	7.91 D	0.88	6.35 U	0.94	6.35 U	0.52
Ethylbenzene	UG/M3	1.45 J	7.63 U	0.59	1,220 D	0.68	7.63 U	0.36 U
Methylene chloride	UG/M3	1.61 J	7.08 U	0.47	7.08 U	0.43	7.08 U	0.17 U
Toluene	UG/M3	2.42 J	19.4 D	1.77	17.2 J	2.21	24.6 J	0.39
m&p-Xylene	UG/M3	4.19 J	22.7 D	2.34	6,330 D	2.53	31.1	0.79 U
o-Xylene	UG/M3	1.54 J	15.43 D	1.01	3,050 D	1.08	11.8	0.15 U

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

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UTC/Carrier VI Sampling Results
December 2017

Location ID		TR8-IA-1	TR8-SSV-1
Sample ID		TR8-IA-1	TR8-SSV-1
Matrix		Indoor Air	Subslab Vapor
Date Sampled		12/11/17	12/11/17
Parameter	Units		
Chlorinated VOCs			
Matrix A			
1,1-Dichloroethene	UG/M3	0.01 U	9.24
1,2-Dichloroethene (cis)	UG/M3	4.48	551
Carbon tetrachloride	UG/M3	0.29	10.95 U
Trichloroethene	UG/M3	2.72 J	318
Matrix B			
1,1,1-Trichloroethane	UG/M3	0.79	21.7
Tetrachloroethene	UG/M3	0.33	16.1
Matrix C			
Vinyl chloride	UG/M3	0.47	51.4
Other			
1,1-Dichloroethane	UG/M3	0.39	61.6
1,2-Dichloroethene (trans)	UG/M3	0.29 U	6.46 U
Non-Chlorinated VOCs			
Benzene	UG/M3	2.09	6.35 U
Ethylbenzene	UG/M3	1.91	7.63 U
Methylene chloride	UG/M3	0.67	8.58
Toluene	UG/M3	10.23	6.62 U
m&p-Xylene	UG/M3	7.72	15.04 U
o-Xylene	UG/M3	3.06	8.67 U

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

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J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be biased low.

D – The sample result was reported from a secondary dilution analysis.

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UTC/Carrier VI Sampling Results
December 2017

Location ID		TR10-IA-1	TR10-SSV-1
Sample ID		TR10-IA-1	TR10-SSV-1
Matrix		Indoor Air	Subslab Vapor
Date Sampled		12/11/17	12/11/17
Parameter	Units		
Chlorinated VOCs			
Matrix A			
1,1-Dichloroethene	UG/M3	0.01 U	3.16 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	3.01 U
Carbon tetrachloride	UG/M3	0.28	4.38 U
Trichloroethene	UG/M3	0.12	4.39 U
Matrix B			
1,1,1-Trichloroethane	UG/M3	0.19 U	2.72 U
Tetrachloroethene	UG/M3	0.14 U	4.62 U
Matrix C			
Vinyl chloride	UG/M3	0.03 J	1.97 U
Other			
1,1-Dichloroethane	UG/M3	0.03 J	2.89 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	2.59 U
Non-Chlorinated VOCs			
Benzene	UG/M3	0.33	2.54 U
Ethylbenzene	UG/M3	0.36 U	17
Methylene chloride	UG/M3	0.28 J	2.83 U
Toluene	UG/M3	0.45	2.66 U
m&p-Xylene	UG/M3	0.79 U	50.7
o-Xylene	UG/M3	0.23 J	28.6

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

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J- – The result is an estimated quantity, but the result may be biased low.

D – The sample result was reported from a secondary dilution analysis.

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UTC/Carrier VI Sampling Results
December 2017

Location ID		TR12-IA-1	TR12-SSV-1	TR12-OA-1
Sample ID		TR12-IA-1	TR12-SSV-1	TR12-OA-1
Matrix		Indoor Air	Subslab Vapor	Outdoor Air
Date Sampled		12/11/17	12/11/17	12/11/17
Parameter	Units			
Chlorinated VOCs				
Matrix A				
1,1-Dichloroethene	UG/M3	0.01 U	7.89 U	0.01 U
1,2-Dichloroethene (cis)	UG/M3	0.34 J	126	0.30 U
Carbon tetrachloride	UG/M3	0.24	10.95 U	0.25
Trichloroethene	UG/M3	0.4	790	0.04 J
Matrix B				
1,1,1-Trichloroethane	UG/M3	0.50 J	15.4	0.19 U
Tetrachloroethene	UG/M3	0.14 U	12.5 J	0.01 J
Matrix C				
Vinyl chloride	UG/M3	0.03 J	4.91 U	0.05 U
Other				
1,1-Dichloroethane	UG/M3	0.01 U	22.4	0.01 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	6.46 U	0.29 U
Non-Chlorinated VOCs				
Benzene	UG/M3	1.13	6.35 U	0.33
Ethylbenzene	UG/M3	2.58	7.63 U	0.36 U
Methylene chloride	UG/M3	0.61	7.08 U	0.39
Toluene	UG/M3	6.28	6.62 U	0.53
m&p-Xylene	UG/M3	6.94	43.8	0.79 U
o-Xylene	UG/M3	2.45	27.9	0.15 U

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

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J- – The result is an estimated quantity, but the result may be biased low.

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UTC/Carrier VI Sampling Results
December 2017

Location ID		TR19-IA-1	TR19-SSV-1	TR19-IA-2	TR19-SSV-2	TR19-IA-3	TR19-IA-3	TR19-SSV-3	TR19-SSV-3
Sample ID		TR19-IA-1	TR19-SSV-1	TR19-IA-2	TR19-SSV-2	FD-IA-120517	TR19-IA-3	FD-SSV-120517	TR19-SSV-3
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor
Date Sampled		12/05/17	12/05/17	12/05/17	12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	Units					Field Duplicate (1-1)		Field Duplicate (1-1)	
Chlorinated VOCs									
Matrix A									
1,1-Dichloroethene	UG/M3	0.01 U	7.89 U	0.01 U	16.58 U	0.01 U	0.01 U	7.89 U	7.89 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	7.53 U	0.30 U	15.78 U	0.53 U	0.30 U	7.53 U	7.53 U
Carbon tetrachloride	UG/M3	0.27	10.95 U	0.26	22.96 U	0.28 J	0.15 J	10.95 U	10.95 U
Trichloroethene	UG/M3	0.11 U	10.96 U	1.54	23.00 U	0.01 U	0.11 U	26.12	25.96
Matrix B									
1,1,1-Trichloroethane	UG/M3	0.19 U	8.78 J	0.19 U	14.24 U	0.33 U	0.19 U	6.77 U	6.77 U
Tetrachloroethene	UG/M3	0.14 U	11.53 U	0.25	24.28 U	0.49	0.14 U	11.53 U	11.53 U
Matrix C									
Vinyl chloride	UG/M3	0.05 U	4.91 U	0.05 U	10.33 U	0.01 U	0.05 U	4.91 U	4.91 U
Other									
1,1-Dichloroethane	UG/M3	0.01 U	7.21 U	0.01 U	15.18 U	0.01 U	0.01 U	7.21 U	7.21 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	6.46 U	0.29 U	13.56 U	0.50 U	0.29 U	6.46 U	6.46 U
Non-Chlorinated VOCs									
Benzene	UG/M3	0.53	6.35 U	1.23	13.33 U	0.43 J	0.36	6.35 U	6.35 U
Ethylbenzene	UG/M3	0.42 J	7.63 U	1.05	16.04 U	0.64 UJ	1.66 J	11.97	10.10 J
Methylene chloride	UG/M3	0.47	7.08 U	0.42	14.86 U	1.53 J	0.48 J	7.08 U	7.08 U
Toluene	UG/M3	0.99	6.62 U	3.36	13.96 U	0.56 J	4.03 J	6.62 U	6.62 U
m&p-Xylene	UG/M3	0.95	15.04 U	4.64	31.60 U	1.39 UJ	4.81 J	71.97	76.74
o-Xylene	UG/M3	0.33 J	8.67 U	2.15	18.25 U	0.27 UJ	2.05 J	18.34	17.51

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

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J- – The result is an estimated quantity, but the result may be biased low.

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UTC/Carrier VI Sampling Results
December 2017

Location ID		TR19-IA-4	TR19-SSV-4	TR19-SSV-5	TR19-IA-5	TR19-IA-6	TR19-SSV-6	TR19-OA-1
Sample ID		TR19-IA-4	TR19-SSV-4	TR19-SSV-5	TR19-IA-5	TR19-IA-6	TR19-SSV-6	TR19-OA-1
Matrix		Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Date Sampled		12/05/17	12/05/17	12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	**Units**							
Chlorinated VOCs								
Matrix A								
1,1-Dichloroethene	UG/M3	0.01 U	7.89 U	7.89 U	0.01 U	0.01 U	7.89 U	0.01 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	274	7.53 U	0.30 U	0.30 U	7.53 U	0.30 U
Carbon tetrachloride	UG/M3	0.29	10.95 U	10.95 U	0.38	0.42	10.95 U	0.43
Trichloroethene	UG/M3	0.11 U	221.42	10.96 U	0.53	0.11 U	10.96 U	0.11
Matrix B								
1,1,1-Trichloroethane	UG/M3	0.19 U	6.77 U	6.77 U	0.65	0.29 J	6.77 U	0.22 J
Tetrachloroethene	UG/M3	0.14 U	23.46	11.53 U	0.08 J	0.08 J	11.53 U	0.06 J
Matrix C								
Vinyl chloride	UG/M3	0.05 U	6.21 J	4.91 U	0.05 U	0.05 U	4.91 U	0.05 U
Other								
1,1-Dichloroethane	UG/M3	0.01 U	7.21 U	7.21 U	0.29 J	0.09 J	7.21 U	0.07 J
1,2-Dichloroethene (trans)	UG/M3	0.29 U	44.01	6.46 U	0.29 U	0.29 U	6.46 U	0.29 U
Non-Chlorinated VOCs								
Benzene	UG/M3	1.21	6.35 U	6.35 U	0.73	0.99	6.35 U	0.41
Ethylbenzene	UG/M3	0.62	114.02	7.63 U	0.82	0.36 U	7.63 U	0.36 U
Methylene chloride	UG/M3	0.32 J	7.08 U	7.08 U	0.58	0.65	7.08 U	0.52
Toluene	UG/M3	2.64	14.19	6.62 U	1.55	1.11	12.34	0.31 J
m&p-Xylene	UG/M3	2.36	780.37	15.04 U	2.29	1.05	15.04 U	0.79 U
o-Xylene	UG/M3	1.3	550.59	8.67 U	0.88	0.5	8.67 U	0.15 U

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

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J – The result is an estimated quantity. The associated numeri approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be b

D – The sample result was reported from a secondary dilution a

UJ – The analyte was analyzed for, but not detected. The repo is approximate and may be inaccurate or imprecise.

UTC/Carrier VI Sampling Results
December 2017

Location ID		TR20-IA-1	TR20-SSV-1	TR20-IA-2	TR20-SSV-2	TR20-IA-3	TR20-SSV-3	TR20-IA-4	TR20-SSV-4
Sample ID		TR20-IA-1	TR20-SSV-1	TR20-IA-2	TR20-SSV-2	TR20-IA-3	TR20-SSV-3	TR20-IA-4	TR20-SSV-4
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Date Sampled		12/04/17	12/04/17	12/04/17	12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	**Units**								
Chlorinated VOCs									
Matrix A									
1,1-Dichloroethene	UG/M3	0.01 U	2.61 U	0.01 U	1.58 U	0.01 U	31.58 U	0.01 U	1.58 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	2.48 U	0.30 U	1.50 U	0.30 U	30.06 U	0.30 U	1.50 U
Carbon tetrachloride	UG/M3	0.19	3.61 U	0.19	2.19 U	0.22	43.78 U	0.2	2.19 U
Trichloroethene	UG/M3	0.02 J	3.62 U	0.05 J	2.19 U	0.07 J	5370	0.04 J	2.19 U
Matrix B									
1,1,1-Trichloroethane	UG/M3	0.19 U	15.06	0.19 U	1.36 U	0.19 U	387	0.19 U	1.36 U
Tetrachloroethene	UG/M3	0.04 J	3.82 U	0.07 J	2.31 U	0.08 J	46.25 U	0.05 J	2.83 J
Matrix C									
Vinyl chloride	UG/M3	0.05 U	1.62 U	0.05 U	0.98 U	0.05 U	19.68 U	0.05 U	0.98 U
Other									
1,1-Dichloroethane	UG/M3	0.01 U	2.38 U	0.01 U	1.45 U	0.01 U	28.91 U	0.01 U	1.45 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	2.13 U	0.29 U	1.29 U	0.29 U	25.85 U	0.29 U	1.29 U
Non-Chlorinated VOCs									
Benzene	UG/M3	0.72	2.10 U	0.7	1.27 U	1.34	25.39 U	1.16	1.27 U
Ethylbenzene	UG/M3	0.36 U	2.52 U	0.42 J	1.53 U	1.02	62	0.88	49
Methylene chloride	UG/M3	0.46	2.53 J	0.30 J	1.42 U	0.37	28.33 U	0.35	1.42 U
Toluene	UG/M3	1.03	4.89	1.06	1.33 U	3.19	43.6	2.77	26.1
m&p-Xylene	UG/M3	0.83 J	4.99 U	1.14	3.01 U	3.97	338	3.15	249
o-Xylene	UG/M3	0.35 J	2.87 U	0.38 J	1.74 U	1.6	102	1.26	85.8

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

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J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be biased low.

D – The sample result was reported from a secondary dilution analysis.

UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

UTC/Carrier VI Sampling Results
December 2017

Location ID		TR20-IA-5	TR20-SSV-5	TR20-IA-6	TR20-SSV-6	TR20-OA-1
Sample ID		TR20-IA-5	TR20-SSV-5	TR20-IA-6	TR20-SSV-6	TR20-OA-1
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Outdoor Air
Date Sampled		12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	Units					
Chlorinated VOCs						
Matrix A						
1,1-Dichloroethene	UG/M3	0.01 U	7.82 U	0.01 U	3.16 U	0.01 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	7.45 U	0.30 U	3.01 U	0.30 U
Carbon tetrachloride	UG/M3	0.2	10.88 U	0.32	4.38 U	0.35
Trichloroethene	UG/M3	0.2	10.86 U	0.11 U	4.39 U	0.17
Matrix B						
1,1,1-Trichloroethane	UG/M3	0.19 U	6.77 U	0.19 U	2.72 U	0.19 U
Tetrachloroethene	UG/M3	0.07 J	11.46 U	0.04 J	4.62 U	0.12 J
Matrix C						
Vinyl chloride	UG/M3	0.05 U	4.88 U	0.05 U	1.97 U	0.05 U
Other						
1,1-Dichloroethane	UG/M3	0.01 U	7.17 U	0.01 U	2.89 U	0.01 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	6.42 U	0.29 U	2.59 U	0.29 U
Non-Chlorinated VOCs						
Benzene	UG/M3	**1.76**	6.28 U	0.7	14.9	0.84
Ethylbenzene	UG/M3	1.37	13.1	0.36 U	131	0.52
Methylene chloride	UG/M3	0.5	7.01 U	0.45	2.83 U	0.48
Toluene	UG/M3	4.4	22.1 J-	0.74	21.0 J-	1
m&p-Xylene	UG/M3	5.12	22	0.79 U	633 D	0.87
o-Xylene	UG/M3	2.21	8.63 U	0.15 U	512 D	0.35 J

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

U – The analyte was analyzed for, but was not detected above reported sample quantitation limit.

J – The result is an estimated quantity. The associated numeri approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be b

D – The sample result was reported from a secondary dilution

UJ – The analyte was analyzed for, but not detected. The repo is approximate and may be inaccurate or imprecise.

UTC/Carrier VI Sampling Results
December 2017

Location ID		TR21-IA-1	TR21-SSV-1	TR21-IA-2	TR21-SSV-2
Sample ID		TR21-IA-1	TR21-SSV-1	TR21-IA-2	TR21-SSV-2
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Date Sampled		12/11/17	12/11/17	12/11/17	12/11/17
Parameter	Units				
Chlorinated VOCs					
Matrix A					
1,1-Dichloroethene	UG/M3	0.01 U	7.89 U	0.01 U	1.58 U
1,2-Dichloroethene (cis)	UG/M3	0.30 U	7.53 U	0.30 U	1.50 U
Carbon tetrachloride	UG/M3	0.38	10.95 U	0.42	2.19 U
Trichloroethene	UG/M3	0.11 U	47.4	0.11 U	57.5
Matrix B					
1,1,1-Trichloroethane	UG/M3	0.19 U	32.2	0.33 J	78.6
Tetrachloroethene	UG/M3	0.08 J	11.53 U	0.08 J	13.7
Matrix C					
Vinyl chloride	UG/M3	0.05 U	4.91 U	0.05 U	0.98 U
Other					
1,1-Dichloroethane	UG/M3	0.01 U	7.21 U	0.08 U	1.45 U
1,2-Dichloroethene (trans)	UG/M3	0.29 U	6.46 U	0.29 U	1.29 U
Non-Chlorinated VOCs					
Benzene	UG/M3	0.59	6.35 U	0.53	1.88
Ethylbenzene	UG/M3	0.36 U	382	0.75	74.1
Methylene chloride	UG/M3	1.69	7.08 U	0.8	1.42 U
Toluene	UG/M3	0.81	25.6	1.11	22.7
m&p-Xylene	UG/M3	0.79 U	2080	2.73	356
o-Xylene	UG/M3	0.15 U	915	1.37	144

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

UG/M3 - micrograms per cubic meter

Flags assigned during chemistry validation are shown.

Detection Limits shown are Method Detection Limits (MDL)

U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J- – The result is an estimated quantity, but the result may be biased low.

D – The sample result was reported from a secondary dilution analysis.

UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

UTC/Carrier VI Sampling Results
December 2017

Location ID		SWTP-SSV-1	SWTP-SSV-1	SWTP-SSV-2	SWTP-OA-1
Sample ID		FD-SSV-120717	SWTP-SSV-1	SWTP-SSV-2	SWTP-OA-1
Matrix		Subslab Vapor	Subslab Vapor	Subslab Vapor	Outdoor Air
Date Sampled		12/07/17	12/07/17	12/07/17	12/07/17
Parameter	Units	Field Duplicate (1-1)			
Chlorinated VOCs					
Matrix A					
1,1-Dichloroethene	UG/M3	7.89 U	7.89 U	7.89 U	0.01 U
1,2-Dichloroethene (cis)	UG/M3	17.2	17	23.4	0.30 U
Carbon tetrachloride	UG/M3	10.95 U	10.95 U	10.95 U	0.22
Trichloroethene	UG/M3	924	898	130	0.38
Matrix B					
1,1,1-Trichloroethane	UG/M3	6.77 U	6.77 U	6.77 U	0.19 U
Tetrachloroethene	UG/M3	11.53 U	11.53 U	11.53 U	0.44
Matrix C					
Vinyl chloride	UG/M3	4.91 U	4.91 U	4.91 U	0.05 U
Other					
1,1-Dichloroethane	UG/M3	7.21 U	7.21 U	7.21 U	0.01 U
1,2-Dichloroethene (trans)	UG/M3	6.46 U	6.46 U	6.46 U	0.29 U
Non-Chlorinated VOCs					
Benzene	UG/M3	7.27	7.37	6.35 U	0.48
Ethylbenzene	UG/M3	56.4	78.5	47.7	0.36 U
Methylene chloride	UG/M3	7.08 U	7.08 U	7.08 U	0.4
Toluene	UG/M3	6.62 U	6.62 U	6.62 U	0.43
m&p-Xylene	UG/M3	231 J	477 J	255	0.79 U
o-Xylene	UG/M3	78.0 J	205 J	96.2	0.15 U

Notes:

IA - indoor air

OA - outdoor air

SSV - sub-slab vapor

NYSDOH - New York State Department of Health

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