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DATE: May 29, 2015

TO: Michael Hoppe, U.S. EPA/ERT Work Assignment Manager

THROUGH: Kevin Taylor, SERAS Program Manager *KS*

FROM: Colleen Grell, SERAS Task Leader *CG*

SUBJECT: MEADOWBROOK AVE VAPOR INTRUSION SITE, HATBORO, PA
WORK ASSIGNMENT #SER00262 – TRIP REPORT

BACKGROUND

The Environmental Protection Agency/Environmental Response Team (EPA/ERT) issued Work Assignment (WA) Number SERAS-262 to Lockheed Martin under the Scientific, Engineering, Response and Analytical Services (SERAS) contract to collect sub-slab soil gas, crawl space, indoor and ambient air samples as part of a vapor intrusion site investigation in a local elementary school. Crooked Billet Elementary School (Site) is located within the town of Hatboro, Pennsylvania (PA). A residential area borders the Site to the northwest, west and south. To the east of the Site is a mix of residential and commercial properties, and an industrial area is located to the northeast of the Site. Several EPA remedial sites are located in the vicinity of the subject school and are the primary impetus for this investigation. Prior to EPA cleanup activities, these sites had contaminated local public water supply wells with trichloroethene (TCE) and several other volatile organic compounds (VOCs).

The vapor intrusion sampling will provide data that will help EPA Region 3 personnel determine if there is the potential for adverse indoor air impact within the school.

All SUMMA[®] canister samples were analyzed for VOCs. The SUMMA[®] canister sampling and analysis were conducted following EPA Compendium Method TO-15, *Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)*. Thirty-six SUMMA[®] samples plus one trip blank were collected and analyzed.

OBSERVATIONS AND ACTIVITIES

SERAS sampling personnel mobilized to Site on March 12, 2015 to install eight sub-slab soil gas sampling wells. Ports were installed flush with the slab and capped with a Teflon[®] fitting that was removed during sampling operations. The ports were installed in accordance with SERAS standard operating procedure (SOP) #2082, *Construction and Installation of Permanent Sub-Slab Soil Gas Wells*.

On March 14 and 15, 2015, 24-hour sub-slab soil gas samples were collected from the installed wells. Indoor air samples were collected from 17 locations within the building. Crawl space air samples were collected from five locations: three from crawlspaces near the mechanical room in the basement, one from underneath the floor of the library, and one from a wall access panel in the girls' bathroom. Ambient air samples were

collected from two locations. A collocated sample was collected at each ambient location and from indoor air locations IA2 and IA7. Samples were collected using 6-liter (L) SUMMA[®] canisters fitted with individual flow controllers. Samples were collected following ERT/SERAS SOP #1704, *SUMMA Canister Sampling*. A 4 to 5-L time-weighted-average (TWA) sample was collected during a 24-hour sampling period. Field sampling worksheets are included in Appendix A. Sample locations on the ground floor are presented in Figure 1. Sample locations in the basement are presented in Figure 2.

The samples collected in the SUMMA[®] canisters were properly documented and delivered to the ERT/SERAS Laboratory for analysis. Sub-slab soil gas, crawl space, indoor and ambient air sample analysis was performed in accordance with EPA Method TO-15. Prior to sampling, the SUMMA[®] canisters and orifices were certified clean to meet the reporting levels for the analysis requested. Results for the TO-15 analysis were reported both in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and in parts per billion by volume (ppbv).

RESULTS

A summary of the collected samples is presented in Table 1. Sample results are presented in Tables 2a through 2l in ppbv and Tables 3a through 3l in $\mu\text{g}/\text{m}^3$. Indoor air Regional Screening Levels (RSLs) are included in each table for comparison. The EPA Region 3 RSLs were not generated to represent health effect levels, action levels, or cleanup levels but rather as technical tools. If a chemical concentration exceeds an EPA RSL it requires further consideration by EPA and Agency for Toxic Substances and Disease Registry (ATSDR) toxicologists.

Sub-slab soil gas sample results are presented together with the indoor air samples collected in their respective locations, in in Tables 2a through 2l in ppbv and Tables 3a through 3l in $\mu\text{g}/\text{m}^3$. Sub-slab soil gas RSLs are increased from the indoor air RSLs by a magnitude of 10; however, results are not flagged relative to sub-slab soil gas RSLs.

Sample results for TCE and PCE by location on the ground floor are presented in Figure 3. Sample results for TCE and PCE by location in the basement are presented in Figure 4.

Complete analytical results are included in the Analytical Report, presented as Appendix B.

FUTURE ACTIVITIES

There are no additional activities scheduled at this time.

cc: Central File - WA # SERAS-262 (w/attachment)
Electronic File - I:/Archive/SERAS/262/D/TR/052915
Kevin Taylor, SERAS Program Manager (cover page only)

TABLES
Meadowbrook Avenue Vapor Intrusion Site
Hatboro, PA
May 2015

Table 1
Sample Summary
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

Sample Number	Location	Sub-Location	Sample Type	SUMMA® Number	Flow Controller Number	Remarks
262-0001	CBES-SS1	Basement Stair	Sub-Slab	14242	13988	
262-0002	CBES-SS2	Mech Room	Sub-Slab	150	14005	
262-0003	CBES-SS3	Storage	Sub-Slab	14238	14020	
262-0004	CBES-SS4	Cafeteria Rm 113	Sub-Slab	36	13922	
262-0005	CBES-SS5	Music/Art Rm 123	Sub-Slab	13741	13767	Closet
262-0006	CBES-SS6	Pre-K Rm 120	Sub-Slab	135	13923	Closet
262-0007	CBES-SS7	Kindergarten Rm 122	Sub-Slab	97	13993	Closet
262-0008	CBES-SS8	Music Rm 121	Sub-Slab	163	14028	Closet
262-0009	CBES-IA 1	Basement Stair	Indoor Air	13756	13785	
262-0010	CBES-IA 2	Mech Room	Indoor Air	280	14049	
262-0011	CBES-IA 3	Office/Workroom	Indoor Air	14396	14036	
262-0012	CBES-IA 4	Library Rm 100	Indoor Air	175	13949	New books and vinyl tablecloths in library during sampling.
262-0013	CBES-IA 5	Girls Toilet	Indoor Air	279	14009	
262-0014	CBES-IA 6	Classroom Rm 101	Indoor Air	55	13941	
262-0015	CBES-IA 7	Faculty Rm 103	Indoor Air	270	14019	
262-0016	CBES-IA 8	Nurse Rm 107	Indoor Air	14233	14042	
262-0017	CBES-IA 9	Corridor/Rm 107	Indoor Air	14221	13943	Across from Room 107
262-0018	CBES-IA 10	Multipurpose Rm 111	Indoor Air	14245	13765	
262-0019	CBES-IA 11	Storage	Indoor Air	14403	14027	
262-0020	CBES-IA 12	Cafeteria Rm 113	Indoor Air	196	13792	
262-0021	CBES-IA 13	Music/Art Rm 123	Indoor Air	71	13769	
262-0022	CBES-IA 14	Pre-K Rm 120	Indoor Air	144	13906	
262-0023	CBES-IA 15	Kindergarten Rm 122	Indoor Air	145	14032	
262-0024	CBES-IA 16	Music Rm 121	Indoor Air	157	13962	
262-0025	CBES-CS1	Basement CS 1	Crawlspace Air	137	13992	
262-0026	CBES-CS2	Basement CS 2	Crawlspace Air	127	13953	
262-0027	CBES-CS3	Basement CS 3	Crawlspace Air	238	14041	Labeled B2 on map
262-0028	CBES-CS4	Office CS	Crawlspace Air	70	13990	Crawlspace panel in floor
262-0029	CBES-CS5	Girls Toilet Wall Panel	Crawlspace Air	235	13951	Wall panel in stall farthest from bathroom entrance
262-0030	CBES-AA1	Bldg A South	Ambient Air	62	13957	North side of bldg on sign by dumpsters
262-0031	CBES-AA1	Bldg A South	Ambient Air	148	13942	Co-located
262-0032	CBES-AA2	Bldg B North	Ambient Air	54	13928	Southeast of bldg (end of bldg B) on sign at far side of parking lot
262-0033	CBES-AA2	Bldg B North	Ambient Air	189	13793	Co-located
262-0034	CBES-IA 2	Mech Room	Indoor Air	13	13762	Co-located
262-0035	CBES-IA 7	Faculty Rm 103	Indoor Air	13735	13940	Co-located
262-0036	CBES-TB	Blank	Trip Blank	239	NA	
262-0037	CBES-IA 17	Principal Rm 105	Indoor Air	14254	14029	

Table 2a
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

BASEMENT

Sample Number	Regional Screening Level	262-0009 CBES-IA1 Basement Stair	262-0001 CBES-SS1 Basement Stair	262-0010 CBES-IA2 Mech Room	262-0034 CBES-IA2 Mech Room Collocated	262-0002 CBES-SS2 Mech Room	262-0025 CBES-CS1 Basement CS1	262-0026 CBES-CS2 Basement CS2	262-0027 CBES-CS3 Basement CS3
Location	Indoor Air	Indoor Air	Sub-Slab	Indoor Air	Indoor Air	Sub-Slab	Indoor Air	Indoor Air	Indoor Air
Sample Type	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Result Units	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Propylene	1800	1.00 U	0.876	1.09	0.200 U	18.3	0.701	0.346	1.00 U
Dichlorodifluoromethane	20.2	0.545	0.251	0.532	0.0200 U	0.478	0.326	0.330	0.572
Chloromethane	45.5	0.256	0.0651	0.612	0.101	0.100 U	0.415 J	0.186 J	0.300
Dichlorotetrafluoroethane	NS	0.100 U	0.0606	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Vinyl Chloride	0.067	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
1,3-Butadiene	0.042	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Bromomethane	1.34	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Chloroethane	3790	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Acetone	13500	2.50 U	24.7	2.92	2.73	156 J	2.37 U	0.814 U	2.73
Trichlorofluoromethane	130	0.267	0.289	0.252	0.231	1.78	0.301	0.276	0.259
Isopropyl Alcohol	85.5	2.50 U	0.785	2.50 U	0.354	4.12	0.500 U	0.500 U	2.50 U
1,1-Dichloroethene	53	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Methylene Chloride	28.8	0.100 U	0.0349	0.130	0.0963	0.100 U	0.0658	0.0518	0.105
Trichlorotrifluoroethane	4045	0.100 U	0.0742	0.100 U	0.0722	0.100 U	0.0757	0.0753	0.100 U
trans-1,2-Dichloroethene	NS	0.100 U	0.0200 U	0.100 U	0.0211	0.100 U	0.0200 U	0.0200 U	0.100 U
1,1-Dichloroethane	0.45	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
MTBE	3.1	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Vinyl Acetate	59.6	0.232	0.0200 U	0.100 U	0.0200 U	5.68	0.0200 U	0.0200 U	0.100 U
2-Butanone	1760	0.100 U	2.87	0.100 U	0.187	3.55	0.196	0.0503	0.230
cis-1,2-Dichloroethene	NS	0.100 U	0.0416	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Ethyl Acetate	20.26	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Hexane	207	0.100 U	0.0595	0.101	0.102	10.9	0.116	0.0463	0.100 U
Chloroform	0.025	0.0436 J	1.65	0.100 U	0.0221	0.584	0.0432	0.0372	0.0154 J
Tetrahydrofuran	712	0.100 U	0.0200 U	0.100 U	0.0976	0.100 U	0.0488	0.0258	0.100 U
1,2-Dichloroethane	0.027	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
1,1,1-Trichloroethane	953	0.100 U	0.0521	0.100 U	0.0200 U	0.100 U	0.100	0.136	0.100 U
Benzene	0.113	0.100 U	0.100	0.217	0.239	1.72	0.119	0.0688	0.146
Carbon Tetrachloride	0.075	0.0947 J	0.0374	0.0934 J	0.0827	0.100 U	0.0834	0.0819	0.0869 J
Cyclohexane	1830	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
1,2-Dichloropropane	0.061	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
1,4-Dioxane	0.155	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Trichloroethene	0.089	0.0572 J	6.39	0.100 U	0.0254	3.38	0.0336	0.0429	0.0456 J
Heptane	NS	0.100 U	0.0739	0.100 U	0.0741	5.35	0.0714	0.0200 U	0.100 U
cis-1,3-Dichloropropene	0.156	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Methyl Isobutyl Ketone	757	0.100 U	0.214 U	0.100 U	0.0200 U	4.23	0.0510 U	0.0200 U	0.100 U
trans-1,3-Dichloropropene	0.156	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
1,1,2-Trichloroethane	0.033	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Toluene	1380	0.130	0.194	0.257	0.293	1.99	0.220	0.0967	0.208
2-Hexanone	7.6	0.100 U	0.371	0.100 U	0.0200 U	0.665	0.0200 U	0.0200 U	0.100 U
Dibromochloromethane	0.012	0.100 U	0.0473	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
1,2-Dibromoethane	0.00061	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Tetrachloroethene	1.62	0.100 U	2.03	0.100 U	0.0428	0.844	0.0701	0.0799	0.100 U
Chlorobenzene	11.3	0.100 U	0.0826	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Ethylbenzene	0.253	0.100 U	0.0330	0.100 U	0.0328	0.803	0.0289	0.0200 U	0.100 U
m&p-Xylene	46.1	0.100 U	0.112	0.100 U	0.102	0.600	0.138	0.0298	0.100 U
Bromoform	0.252	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Styrene	235	0.100 U	0.0209 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
1,1,2,2-Tetrachloroethane	0.007	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
o-Xylene	23	0.100 U	0.0462	0.100 U	0.0412	0.344	0.0457	0.0200 U	0.100 U
p-Ethyltoluene	NS	0.100 U	0.0200 U	0.100 U	0.0200 U	0.134	0.0200 U	0.0200 U	0.100 U
1,3,5-Trimethylbenzene	NS	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
1,2,4-Trimethylbenzene	1.49	0.100 U	0.0440 U	0.100 U	0.0414 U	0.140	0.0212 U	0.0200 U	0.100 U

Table 2a
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

BASEMENT

Sample Number	Regional Screening Level	262-0009 CBES-IA1 Basement Stair	262-0001 CBES-SS1 Basement Stair	262-0010 CBES-IA2 Mech Room	262-0034 CBES-IA2 Mech Room Collocated	262-0002 CBES-SS2 Mech Room	262-0025 CBES-CS1 Basement CS1	262-0026 CBES-CS2 Basement CS2	262-0027 CBES-CS3 Basement CS3
Sub-Location	Indoor Air	Indoor Air	Sub-Slab	Indoor Air	Indoor Air	Sub-Slab	Indoor Air	Indoor Air	Indoor Air
Sample Type									
Result Units	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
1,3-Dichlorobenzene	NS	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
1,4-Dichlorobenzene	0.043	0.100 U	0.145	0.100 U	0.0200 U	0.148	0.0200 U	0.0200 U	0.0387 J
1,2-Dichlorobenzene	34.9	0.100 U	0.0200 U	0.100 U	0.0200 U	0.100 U	0.0200 U	0.0200 U	0.100 U
Naphthalene	0.016	0.100 U	0.181	0.100 U	0.0200 U	0.409	0.303 J	0.0200 U	0.127 U

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 2b
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

STORAGE

Sample Number	Regional Screening Level	262-0019 CBES-IA11 Storage Indoor Air	262-0003 CBES-SS3 Storage Sub-Slab
Location			
Sub-Location			
Sample Type			
Result Units	ppbv	ppbv	ppbv
Propylene	1800	1.35	1.00 U
Dichlorodifluoromethane	20.2	0.347	0.490
Chloromethane	45.5	0.658 J	0.100 U
Dichlorotetrafluoroethane	NS	0.0200 U	0.100 U
Vinyl Chloride	0.067	0.0200 U	0.100 U
1,3-Butadiene	0.042	0.0200 U	0.100 U
Bromomethane	1.34	0.0200 U	0.100 U
Chloroethane	3790	0.0200 U	0.100 U
Acetone	13500	4.14	3.60
Trichlorofluoromethane	130	0.251	0.304
Isopropyl Alcohol	85.5	0.500 U	2.50 U
1,1-Dichloroethene	53	0.0200 U	0.100 U
Methylene Chloride	28.8	0.0992	0.100 U
Trichlorotrifluoroethane	4045	0.0775	0.100 U
trans-1,2-Dichloroethene	NS	0.0200 U	0.100 U
1,1-Dichloroethane	0.45	0.0200 U	0.100 U
MTBE	3.1	0.0200 U	0.100 U
Vinyl Acetate	59.6	0.0200 U	0.100 U
2-Butanone	1760	0.253	0.259
cis-1,2-Dichloroethene	NS	0.0200 U	0.100 U
Ethyl Acetate	20.26	0.0200 U	0.100 U
Hexane	207	0.193	0.100 U
Chloroform	0.025	0.0211	0.100 U
Tetrahydrofuran	712	0.0532	0.100 U
1,2-Dichloroethane	0.027	0.0200 U	0.100 U
1,1,1-Trichloroethane	953	0.0200 U	0.100 U
Benzene	0.113	0.230	0.100 U
Carbon Tetrachloride	0.075	0.0829	0.100 U
Cyclohexane	1830	0.0478	0.100 U
1,2-Dichloropropane	0.061	0.0200 U	0.100 U
1,4-Dioxane	0.155	0.0200 U	0.100 U
Trichloroethene	0.089	0.0257	0.100 U
Heptane	NS	0.0934	0.100 U
cis-1,3-Dichloropropene	0.156	0.0200 U	0.100 U
Methyl Isobutyl Ketone	757	0.0899 U	0.100 U
trans-1,3-Dichloropropene	0.156	0.0200 U	0.100 U
1,1,2-Trichloroethane	0.033	0.0200 U	0.100 U

Table 2b
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

STORAGE

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0019 CBES-IA11 Storage Indoor Air ppbv	262-0003 CBES-SS3 Storage Sub-Slab ppbv
Toluene	1380	0.390	0.100 U
2-Hexanone	7.6	0.0200 U	0.100 U
Dibromochloromethane	0.012	0.0200 U	0.100 U
1,2-Dibromoethane	0.00061	0.0200 U	0.100 U
Tetrachloroethene	1.62	0.0465	1.16
Chlorobenzene	11.3	0.0200 U	0.100 U
Ethylbenzene	0.253	0.0449	0.100 U
m&p-Xylene	46.1	0.157	0.100 U
Bromoform	0.252	0.0200 U	0.100 U
Styrene	235	0.0207 U	0.100 U
1,1,2,2-Tetrachloroethane	0.007	0.0200 U	0.100 U
o-Xylene	23	0.0571	0.100 U
p-Ethyltoluene	NS	0.0226	0.100 U
1,3,5-Trimethylbenzene	NS	0.0200 U	0.100 U
1,2,4-Trimethylbenzene	1.49	0.0402 U	0.100 U
1,3-Dichlorobenzene	NS	0.0200 U	0.100 U
1,4-Dichlorobenzene	0.043	0.0200 U	0.117
1,2-Dichlorobenzene	34.9	0.0200 U	0.100 U
Naphthalene	0.016	0.0203 U	0.106 U

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 2c
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

CAFETERIA

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0020 CBES-IA12 Cafeteria Rm 113 Indoor Air ppbv	262-0004 CBES-SS4 Cafeteria Rm 113 Sub-Slab ppbv
Propylene	1800	1.03	2.68
Dichlorodifluoromethane	20.2	0.323	0.294
Chloromethane	45.5	0.666 J	0.0848
Dichlorotetrafluoroethane	NS	0.0200 U	0.0200 U
Vinyl Chloride	0.067	0.0200 U	0.0200 U
1,3-Butadiene	0.042	0.0200 U	0.0200 U
Bromomethane	1.34	0.0200 U	0.0200 U
Chloroethane	3790	0.0200 U	0.0200 U
Acetone	13500	3.33	8.46
Trichlorofluoromethane	130	0.234	0.277
Isopropyl Alcohol	85.5	0.500 U	0.940
1,1-Dichloroethene	53	0.0200 U	0.0200 U
Methylene Chloride	28.8	0.0960	0.0200 U
Trichlorotrifluoroethane	4045	0.0694	0.0730
trans-1,2-Dichloroethene	NS	0.0226	0.0200 U
1,1-Dichloroethane	0.45	0.0200 U	0.0200 U
MTBE	3.1	0.0200 U	0.0200 U
Vinyl Acetate	59.6	0.0200 U	0.182
2-Butanone	1760	0.236	0.940
cis-1,2-Dichloroethene	NS	0.0200 U	0.0200 U
Ethyl Acetate	20.26	0.0200 U	0.0200 U
Hexane	207	0.0200 U	0.0666
Chloroform	0.025	0.0200 U	0.0210
Tetrahydrofuran	712	0.0619	0.0200 U
1,2-Dichloroethane	0.027	0.0200 U	0.0200 U
1,1,1-Trichloroethane	953	0.0200 U	0.0200 U
Benzene	0.113	0.224	0.113
Carbon Tetrachloride	0.075	0.0823	0.0710
Cyclohexane	1830	0.0200 U	0.0200 U
1,2-Dichloropropane	0.061	0.0200 U	0.0200 U
1,4-Dioxane	0.155	0.0200 U	0.0200 U
Trichloroethene	0.089	0.0243	0.0838
Heptane	NS	0.0946	0.0570
cis-1,3-Dichloropropene	0.156	0.0200 U	0.0200 U
Methyl Isobutyl Ketone	757	0.0200 U	0.0436 U
trans-1,3-Dichloropropene	0.156	0.0200 U	0.0200 U

Table 2c
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

CAFETERIA

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0020 CBES-IA12 Cafeteria Rm 113 Indoor Air ppbv	262-0004 CBES-SS4 Cafeteria Rm 113 Sub-Slab ppbv
1,1,2-Trichloroethane	0.033	0.0200 U	0.0200 U
Toluene	1380	0.351	0.172
2-Hexanone	7.6	0.0200 U	0.1070 U
Dibromochloromethane	0.012	0.0200 U	0.0200 U
1,2-Dibromoethane	0.00061	0.0200 U	0.0200 U
Tetrachloroethene	1.62	0.0453	0.295
Chlorobenzene	11.3	0.0200 U	0.0200 U
Ethylbenzene	0.253	0.0331	0.0315
m&p-Xylene	46.1	0.109	0.0645
Bromoform	0.252	0.0200 U	0.0200 U
Styrene	235	0.0200 U	0.113
1,1,2,2-Tetrachloroethane	0.007	0.0200 U	0.0200 U
o-Xylene	23	0.0479	0.0338
p-Ethyltoluene	NS	0.0211	0.0200 U
1,3,5-Trimethylbenzene	NS	0.0200 U	0.0200 U
1,2,4-Trimethylbenzene	1.49	0.0332 U	0.0259 U
1,3-Dichlorobenzene	NS	0.0200 U	0.0200 U
1,4-Dichlorobenzene	0.043	0.0200 U	0.138
1,2-Dichlorobenzene	34.9	0.0200 U	0.0200 U
Naphthalene	0.016	0.0200 U	0.595

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 2d
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

MUSIC/ART ROOM 123

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0021 CBES-IA13 Music/Art Rm 123 Indoor Air ppbv	262-0005 CBES-SS5 Music/Art Rm 123 Sub-Slab ppbv
Propylene	1800	1.19	1.00 U
Dichlorodifluoromethane	20.2	0.294	0.533
Chloromethane	45.5	0.634 J	0.100 U
Dichlorotetrafluoroethane	NS	0.0200 U	0.100 U
Vinyl Chloride	0.067	0.0200 U	0.100 U
1,3-Butadiene	0.042	0.0200 U	0.100 U
Bromomethane	1.34	0.0200 U	0.100 U
Chloroethane	3790	0.0200 U	0.100 U
Acetone	13500	6.52	4.05
Trichlorofluoromethane	130	0.241	0.262
Isopropyl Alcohol	85.5	0.641	2.50 U
1,1-Dichloroethene	53	0.0200 U	0.100 U
Methylene Chloride	28.8	0.0932	0.100 U
Trichlorotrifluoroethane	4045	0.0733	0.100 U
trans-1,2-Dichloroethene	NS	0.0200 U	0.100 U
1,1-Dichloroethane	0.45	0.0200 U	0.100 U
MTBE	3.1	0.0200 U	0.100 U
Vinyl Acetate	59.6	0.0200 U	0.100 U
2-Butanone	1760	0.220 J	0.321
cis-1,2-Dichloroethene	NS	0.0200 U	0.100 U
Ethyl Acetate	20.26	0.0200 U	0.100 U
Hexane	207	0.325	0.100 U
Chloroform	0.025	0.0200 U	0.100 U
Tetrahydrofuran	712	0.0795 J	0.100 U
1,2-Dichloroethane	0.027	0.0200 U	0.100 U
1,1,1-Trichloroethane	953	0.0200 U	0.100 U
Benzene	0.113	0.224	0.100 U
Carbon Tetrachloride	0.075	0.0797	0.100 U
Cyclohexane	1830	0.0779	0.100 U
1,2-Dichloropropane	0.061	0.0200 U	0.100 U
1,4-Dioxane	0.155	0.0200 U	0.100 U
Trichloroethene	0.089	0.0215	0.100 U
Heptane	NS	0.127	0.100 U
cis-1,3-Dichloropropene	0.156	0.0200 U	0.100 U
Methyl Isobutyl Ketone	757	0.0200 U	0.100 U
trans-1,3-Dichloropropene	0.156	0.0200 U	0.100 U

Table 2d
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

MUSIC/ART ROOM 123

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0021 CBES-IA13 Music/Art Rm 123 Indoor Air ppbv	262-0005 CBES-SS5 Music/Art Rm 123 Sub-Slab ppbv
1,1,2-Trichloroethane	0.033	0.0200 U	0.100 U
Toluene	1380	0.388	0.100 U
2-Hexanone	7.6	0.0200 U	0.100 U
Dibromochloromethane	0.012	0.0200 U	0.100 U
1,2-Dibromoethane	0.00061	0.0200 U	0.100 U
Tetrachloroethene	1.62	0.0402	0.143
Chlorobenzene	11.3	0.0200 U	0.100 U
Ethylbenzene	0.253	0.0469	0.100 U
m&p-Xylene	46.1	0.159	0.100 U
Bromoform	0.252	0.0200 U	0.100 U
Styrene	235	0.0224 U	0.100 U
1,1,2,2-Tetrachloroethane	0.007	0.0200 U	0.100 U
o-Xylene	23	0.0597	0.100 U
p-Ethyltoluene	NS	0.0283	0.100 U
1,3,5-Trimethylbenzene	NS	0.0268	0.100 U
1,2,4-Trimethylbenzene	1.49	0.0979 U	0.100 U
1,3-Dichlorobenzene	NS	0.0200 U	0.100 U
1,4-Dichlorobenzene	0.043	0.0200 U	0.100 U
1,2-Dichlorobenzene	34.9	0.0200 U	0.100 U
Naphthalene	0.016	0.0200 U	0.122 U

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 2e
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

PRE-K CLASSROOM 120

Sample Number	Regional Screening Level	262-0022 CBES-IA14 Pre-K Rm 120 Indoor Air	262-0006 CBES-SS6 Pre-K Rm 120 Sub-Slab
Location			
Sub-Location			
Sample Type			
Result Units	ppbv	ppbv	ppbv
Propylene	1800	1.14	1.22
Dichlorodifluoromethane	20.2	0.406	0.451
Chloromethane	45.5	0.686 J	0.100 U
Dichlorotetrafluoroethane	NS	0.0200 U	0.100 U
Vinyl Chloride	0.067	0.0200 U	0.100 U
1,3-Butadiene	0.042	0.0200 U	0.100 U
Bromomethane	1.34	0.0200 U	0.100 U
Chloroethane	3790	0.0200 U	0.100 U
Acetone	13500	5.49	45.6
Trichlorofluoromethane	130	0.256	0.318
Isopropyl Alcohol	85.5	0.500 U	2.50 U
1,1-Dichloroethene	53	0.0200 U	0.100 U
Methylene Chloride	28.8	0.117	0.100 U
Trichlorotrifluoroethane	4045	0.0749	0.100 U
trans-1,2-Dichloroethene	NS	0.0287	0.100 U
1,1-Dichloroethane	0.45	0.0200 U	0.100 U
MTBE	3.1	0.0200 U	0.100 U
Vinyl Acetate	59.6	0.0200 U	0.100 U
2-Butanone	1760	0.190	3.61
cis-1,2-Dichloroethene	NS	0.0200 U	0.100 U
Ethyl Acetate	20.26	0.0200 U	0.100 U
Hexane	207	0.151	1.54
Chloroform	0.025	0.0200 U	1.09
Tetrahydrofuran	712	0.0620	0.100 U
1,2-Dichloroethane	0.027	0.0200 U	0.100 U
1,1,1-Trichloroethane	953	0.0200 U	0.100 U
Benzene	0.113	0.245	0.247
Carbon Tetrachloride	0.075	0.0815	0.100 U
Cyclohexane	1830	0.0255	0.330
1,2-Dichloropropane	0.061	0.0200 U	0.100 U
1,4-Dioxane	0.155	0.0200 U	0.100 U
Trichloroethene	0.089	0.0319	4.75
Heptane	NS	0.178	1.85
cis-1,3-Dichloropropene	0.156	0.0200 U	0.100 U
Methyl Isobutyl Ketone	757	0.0419 U	0.377
trans-1,3-Dichloropropene	0.156	0.0200 U	0.100 U

Table 2e
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

PRE-K CLASSROOM 120

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0022 CBES-IA14 Pre-K Rm 120 Indoor Air ppbv	262-0006 CBES-SS6 Pre-K Rm 120 Sub-Slab ppbv
1,1,2-Trichloroethane	0.033	0.0200 U	0.100 U
Toluene	1380	0.424	1.04
2-Hexanone	7.6	0.0200 U	0.709
Dibromochloromethane	0.012	0.0200 U	0.100 U
1,2-Dibromoethane	0.00061	0.0200 U	0.100 U
Tetrachloroethene	1.62	0.0795	24.0
Chlorobenzene	11.3	0.0200 U	0.100 U
Ethylbenzene	0.253	0.0384	5.21
m&p-Xylene	46.1	0.137	1.28
Bromoform	0.252	0.0200 U	0.100 U
Styrene	235	0.0463 U	0.104
1,1,2,2-Tetrachloroethane	0.007	0.0200 U	0.100 U
o-Xylene	23	0.0558	1.34
p-Ethyltoluene	NS	0.0200 U	0.429
1,3,5-Trimethylbenzene	NS	0.0200 U	0.591
1,2,4-Trimethylbenzene	1.49	0.0381 U	2.25
1,3-Dichlorobenzene	NS	0.0200 U	0.100 U
1,4-Dichlorobenzene	0.043	0.0200 U	0.151
1,2-Dichlorobenzene	34.9	0.0200 U	0.100 U
Naphthalene	0.016	0.0225 U	39.5

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 2f
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

KINDERGARTEN CLASSROOM 122

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0023 CBES-IA15 Kindergarten Rm 122 Indoor Air ppbv	262-0007 CBES-SS7 Kindergarten Rm 122 Sub-Slab ppbv
Propylene	1800	1.01	1.00 U
Dichlorodifluoromethane	20.2	0.311	0.585
Chloromethane	45.5	0.669 J	0.100 U
Dichlorotetrafluoroethane	NS	0.0200 U	0.100 U
Vinyl Chloride	0.067	0.0200 U	0.100 U
1,3-Butadiene	0.042	0.0200 U	0.100 U
Bromomethane	1.34	0.0200 U	0.100 U
Chloroethane	3790	0.0200 U	0.100 U
Acetone	13500	2.90	11.6
Trichlorofluoromethane	130	0.244	0.304
Isopropyl Alcohol	85.5	0.500 U	2.50 U
1,1-Dichloroethene	53	0.0200 U	0.100 U
Methylene Chloride	28.8	0.103	0.100 U
Trichlorotrifluoroethane	4045	0.0783	0.100 U
trans-1,2-Dichloroethene	NS	0.0230	0.100 U
1,1-Dichloroethane	0.45	0.0200 U	0.100 U
MTBE	3.1	0.0200 U	0.100 U
Vinyl Acetate	59.6	0.0200 U	0.100 U
2-Butanone	1760	0.170	0.861
cis-1,2-Dichloroethene	NS	0.0200 U	0.100 U
Ethyl Acetate	20.26	0.0200 U	0.100 U
Hexane	207	0.151	0.380
Chloroform	0.025	0.0200 U	0.100 U
Tetrahydrofuran	712	0.0856	0.100 U
1,2-Dichloroethane	0.027	0.0200 U	0.100 U
1,1,1-Trichloroethane	953	0.0200 U	0.100 U
Benzene	0.113	0.228	0.118
Carbon Tetrachloride	0.075	0.0807	0.100 U
Cyclohexane	1830	0.0410	0.100 U
1,2-Dichloropropane	0.061	0.0200 U	0.100 U
1,4-Dioxane	0.155	0.0200 U	0.100 U
Trichloroethene	0.089	0.0218	0.100 U
Heptane	NS	0.0763	0.416
cis-1,3-Dichloropropene	0.156	0.0200 U	0.100 U
Methyl Isobutyl Ketone	757	0.0918 U	0.134 U
trans-1,3-Dichloropropene	0.156	0.0200 U	0.100 U

Table 2f
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

KINDERGARTEN CLASSROOM 122

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0023 CBES-IA15 Kindergarten Rm 122 Indoor Air ppbv	262-0007 CBES-SS7 Kindergarten Rm 122 Sub-Slab ppbv
1,1,2-Trichloroethane	0.033	0.0200 U	0.100 U
Toluene	1380	0.446	0.351
2-Hexanone	7.6	0.0200 U	0.203 U
Dibromochloromethane	0.012	0.0200 U	0.100 U
1,2-Dibromoethane	0.00061	0.0200 U	0.100 U
Tetrachloroethene	1.62	0.0464	1.60
Chlorobenzene	11.3	0.0200 U	0.100 U
Ethylbenzene	0.253	0.0313	0.799
m&p-Xylene	46.1	0.108	0.279
Bromoform	0.252	0.0200 U	0.100 U
Styrene	235	0.0200 U	0.100 U
1,1,1,2-Tetrachloroethane	0.007	0.0200 U	0.100 U
o-Xylene	23	0.0475	0.238
p-Ethyltoluene	NS	0.0200 U	0.100 U
1,3,5-Trimethylbenzene	NS	0.0200 U	0.100 U
1,2,4-Trimethylbenzene	1.49	0.0329 U	0.276
1,3-Dichlorobenzene	NS	0.0200 U	0.100 U
1,4-Dichlorobenzene	0.043	0.0200 U	0.124
1,2-Dichlorobenzene	34.9	0.0200 U	0.100 U
Naphthalene	0.016	0.0200 U	12.2

ppbv = parts per billion by volume

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Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 2g
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

MUSIC ROOM 121

Sample Number	Regional Screening Level	262-0024 CBES-IA16	262-0008 CBES-SS8
Location	Indoor Air	Music Rm 121	Music Rm 121
Sub-Location			
Sample Type		Indoor Air	Sub-Slab
Result Units	ppbv	ppbv	ppbv
Propylene	1800	0.955	1.00 U
Dichlorodifluoromethane	20.2	0.317	0.646
Chloromethane	45.5	0.654 J	0.158
Dichlorotetrafluoroethane	NS	0.0200 U	0.100 U
Vinyl Chloride	0.067	0.0200 U	0.100 U
1,3-Butadiene	0.042	0.0200 U	0.100 U
Bromomethane	1.34	0.0200 U	0.100 U
Chloroethane	3790	0.0200 U	0.100 U
Acetone	13500	2.61	14.3
Trichlorofluoromethane	130	0.247	0.287
Isopropyl Alcohol	85.5	0.500 U	2.50 U
1,1-Dichloroethene	53	0.0200 U	0.100 U
Methylene Chloride	28.8	0.112	0.100 U
Trichlorotrifluoroethane	4045	0.0722	0.100 U
trans-1,2-Dichloroethene	NS	0.0226	0.100 U
1,1-Dichloroethane	0.45	0.0200 U	0.100 U
MTBE	3.1	0.0200 U	0.100 U
Vinyl Acetate	59.6	0.0200 U	0.167
2-Butanone	1760	0.192	0.695
cis-1,2-Dichloroethene	NS	0.0200 U	0.100 U
Ethyl Acetate	20.26	0.0200 U	0.100 U
Hexane	207	0.139	0.100 U
Chloroform	0.025	0.0200 U	0.100 U
Tetrahydrofuran	712	0.0881	0.100 U
1,2-Dichloroethane	0.027	0.0200 U	0.100 U
1,1,1-Trichloroethane	953	0.0200 U	0.100 U
Benzene	0.113	0.228	0.100 U
Carbon Tetrachloride	0.075	0.0814	0.100 U
Cyclohexane	1830	0.0225	0.100 U
1,2-Dichloropropane	0.061	0.0200 U	0.100 U
1,4-Dioxane	0.155	0.0200 U	0.100 U
Trichloroethene	0.089	0.0229	0.104
Heptane	NS	0.0734	0.100 U
cis-1,3-Dichloropropene	0.156	0.0200 U	0.100 U
Methyl Isobutyl Ketone	757	0.0200 U	0.100 U
trans-1,3-Dichloropropene	0.156	0.0200 U	0.100 U
1,1,2-Trichloroethane	0.033	0.0200 U	0.100 U

Table 2g
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

MUSIC ROOM 121

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0024 CBES-IA16 Music Rm 121 Indoor Air ppbv	262-0008 CBES-SS8 Music Rm 121 Sub-Slab ppbv
Toluene	1380	0.392	0.200
2-Hexanone	7.6	0.0200 U	0.100 U
Dibromochloromethane	0.012	0.0200 U	0.100 U
1,2-Dibromoethane	0.00061	0.0200 U	0.100 U
Tetrachloroethene	1.62	0.0416	0.932
Chlorobenzene	11.3	0.0200 U	0.100 U
Ethylbenzene	0.253	0.0346	0.100 U
m&p-Xylene	46.1	0.109	0.100 U
Bromoform	0.252	0.0200 U	0.100 U
Styrene	235	0.0200 U	0.100 U
1,1,2,2-Tetrachloroethane	0.007	0.0200 U	0.100 U
o-Xylene	23	0.0474	0.100 U
p-Ethyltoluene	NS	0.0200 U	0.100 U
1,3,5-Trimethylbenzene	NS	0.0200 U	0.100 U
1,2,4-Trimethylbenzene	1.49	0.0371 U	0.100 U
1,3-Dichlorobenzene	NS	0.0200 U	0.100 U
1,4-Dichlorobenzene	0.043	0.0200 U	0.139
1,2-Dichlorobenzene	34.9	0.0200 U	0.100 U
Naphthalene	0.016	0.0237 U	0.637

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 2h
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

LIBRARY ROOM 100

Sample Number	Regional Screening Level Indoor Air	262-0028 CBES-CS4 Office CS Indoor Air	262-0011 CBES-IA3 Office / Workroom Indoor Air	262-0012 CBES-IA4 Library Rm 100 Indoor Air
Location				
Sub-Location				
Sample Type				
Result Units	ppbv	ppbv	ppbv	ppbv
Propylene	1800	0.681	1.09	1.01
Dichlorodifluoromethane	20.2	0.361	0.416	0.288
Chloromethane	45.5	0.205	0.761 J	0.660 J
Dichlorotetrafluoroethane	NS	0.0200 U	0.0200 U	0.0200 U
Vinyl Chloride	0.067	0.0200 U	0.0200 U	0.0200 U
1,3-Butadiene	0.042	0.0200 U	0.0200 U	0.0200 U
Bromomethane	1.34	0.0200 U	0.0200 U	0.0200 U
Chloroethane	3790	0.0200 U	0.0200 U	0.0200 U
Acetone	13500	2.08 U	3.14	3.55
Trichlorofluoromethane	130	0.253	0.258	0.235
Isopropyl Alcohol	85.5	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	53	0.0200 U	0.0200 U	0.0200 U
Methylene Chloride	28.8	0.0561	0.104	0.100
Trichlorotrifluoroethane	4045	0.0762	0.0766	0.0741
trans-1,2-Dichloroethene	NS	0.0246	0.0224	0.0200 U
1,1-Dichloroethane	0.45	0.0200 U	0.0200 U	0.0200 U
MTBE	3.1	0.0200 U	0.0200 U	0.0200 U
Vinyl Acetate	59.6	0.117	0.0200 U	0.0200 U
2-Butanone	1760	0.126	0.144	0.182
cis-1,2-Dichloroethene	NS	0.0200 U	0.0200 U	0.0200 U
Ethyl Acetate	20.26	0.0200 U	0.0200 U	0.0200 U
Hexane	207	0.0697	0.133	0.194
Chloroform	0.025	0.0200 U	0.0200 U	0.0200 U
Tetrahydrofuran	712	0.115	0.0395	0.285
1,2-Dichloroethane	0.027	0.0200 U	0.0200 U	0.0200 U
1,1,1-Trichloroethane	953	0.999	0.0200 U	0.0200 U
Benzene	0.113	0.0720	0.230	0.220
Carbon Tetrachloride	0.075	0.0839	0.0841	0.0780
Cyclohexane	1830	0.0200 U	0.0614	0.0200 U
1,2-Dichloropropane	0.061	0.0200 U	0.0200 U	0.0200 U
1,4-Dioxane	0.155	0.0200 U	0.0200 U	0.0200 U
Trichloroethene	0.089	0.0344	0.0379	0.0230
Heptane	NS	0.0400	0.276	0.0898
cis-1,3-Dichloropropene	0.156	0.0200 U	0.0200 U	0.0200 U
Methyl Isobutyl Ketone	757	0.0551 U	0.194 U	0.0200 U
trans-1,3-Dichloropropene	0.156	0.0200 U	0.0200 U	0.0200 U

Table 2h
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

LIBRARY ROOM 100

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0028 CBES-CS4 Office CS Indoor Air ppbv	262-0011 CBES-IA3 Office / Workroom Indoor Air ppbv	262-0012 CBES-IA4 Library Rm 100 Indoor Air ppbv
1,1,2-Trichloroethane	0.033	0.0200 U	0.0200 U	0.0200 U
Toluene	1380	0.196	0.582	0.840
2-Hexanone	7.6	0.0200 U	0.0200 U	0.0200 U
Dibromochloromethane	0.012	0.0200 U	0.0200 U	0.0200 U
1,2-Dibromoethane	0.00061	0.0200 U	0.0200 U	0.0200 U
Tetrachloroethene	1.62	0.0531	0.0515	0.0425
Chlorobenzene	11.3	0.0200 U	0.0200 U	0.0200 U
Ethylbenzene	0.253	0.0404	0.0416	0.0382
m&p-Xylene	46.1	0.147	0.124	0.124
Bromoform	0.252	0.0200 U	0.0200 U	0.0200 U
Styrene	235	0.0200 U	0.0502 U	0.0239 U
1,1,2,2-Tetrachloroethane	0.007	0.0200 U	0.0200 U	0.0200 U
o-Xylene	23	0.0608	0.0583	0.0553
p-Ethyltoluene	NS	0.0200 U	0.0200 U	0.0200 U
1,3,5-Trimethylbenzene	NS	0.0200 U	0.0200 U	0.0200 U
1,2,4-Trimethylbenzene	1.49	0.0208 U	0.0458 U	0.0567 U
1,3-Dichlorobenzene	NS	0.0200 U	0.0200 U	0.0200 U
1,4-Dichlorobenzene	0.043	0.0200 U	0.0200 U	0.0200 U
1,2-Dichlorobenzene	34.9	0.0200 U	0.0200 U	0.0200 U
Naphthalene	0.016	0.0200 U	0.0285 U	0.0299 U

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Table 2i
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

FACULTY ROOM 103

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0015 CBES-IA7 Faculty Rm 103 Indoor Air ppbv	262-0035 CBES-IA7 Faculty Rm 103 Collocated Indoor Air ppbv
Propylene	1800	1.10	1.12
Dichlorodifluoromethane	20.2	0.556	0.378
Chloromethane	45.5	0.585	0.683
Dichlorotetrafluoroethane	NS	0.100 U	0.0200 U
Vinyl Chloride	0.067	0.100 U	0.0200 U
1,3-Butadiene	0.042	0.100 U	0.0200 U
Bromomethane	1.34	0.100 U	0.0200 U
Chloroethane	3790	0.100 U	0.0200 U
Acetone	13500	6.07	4.21
Trichlorofluoromethane	130	0.409	0.432
Isopropyl Alcohol	85.5	2.50 U	0.500 U
1,1-Dichloroethene	53	0.100 U	0.0200 U
Methylene Chloride	28.8	0.135	0.103
Trichlorotrifluoroethane	4045	0.100 U	0.0747
trans-1,2-Dichloroethene	NS	0.100 U	0.0225
1,1-Dichloroethane	0.45	0.100 U	0.0200 U
MTBE	3.1	0.100 U	0.0200 U
Vinyl Acetate	59.6	0.100 U	0.0200 U
2-Butanone	1760	0.265	0.220
cis-1,2-Dichloroethene	NS	0.100 U	0.0200 U
Ethyl Acetate	20.26	0.722	0.837
Hexane	207	0.196	0.160
Chloroform	0.025	0.100 U	0.0207
Tetrahydrofuran	712	0.265	0.0525
1,2-Dichloroethane	0.027	0.100 U	0.0200 U
1,1,1-Trichloroethane	953	0.100 U	0.0200 U
Benzene	0.113	0.235	0.234
Carbon Tetrachloride	0.075	0.0903 J	0.0811
Cyclohexane	1830	0.100 U	0.0305
1,2-Dichloropropane	0.061	0.100 U	0.0200 U
1,4-Dioxane	0.155	0.100 U	0.0200 U
Trichloroethene	0.089	0.0302 J	0.0256
Heptane	NS	0.100 U	0.110
cis-1,3-Dichloropropene	0.156	0.100 U	0.0200 U
Methyl Isobutyl Ketone	757	0.100 U	0.0200 U
trans-1,3-Dichloropropene	0.156	0.100 U	0.0200 U

Table 2i
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

FACULTY ROOM 103

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0015 CBES-IA7 Faculty Rm 103 Indoor Air ppbv	262-0035 CBES-IA7 Faculty Rm 103 Collocated Indoor Air ppbv
1,1,2-Trichloroethane	0.033	0.100 U	0.0200 U
Toluene	1380	0.438	0.397
2-Hexanone	7.6	0.100 U	0.0200 U
Dibromochloromethane	0.012	0.100 U	0.0200 U
1,2-Dibromoethane	0.00061	0.100 U	0.0200 U
Tetrachloroethene	1.62	0.100 U	0.0432
Chlorobenzene	11.3	0.100 U	0.0200 U
Ethylbenzene	0.253	0.100 U	0.0359
m&p-Xylene	46.1	0.103	0.123
Bromoform	0.252	0.100 U	0.0200 U
Styrene	235	0.100 U	0.0266 U
1,1,2,2-Tetrachloroethane	0.007	0.100 U	0.0200 U
o-Xylene	23	0.100 U	0.0504
p-Ethyltoluene	NS	0.100 U	0.0200 U
1,3,5-Trimethylbenzene	NS	0.100 U	0.0200 U
1,2,4-Trimethylbenzene	1.49	0.100 U	0.0380 U
1,3-Dichlorobenzene	NS	0.100 U	0.0200 U
1,4-Dichlorobenzene	0.043	0.100 U	0.0200 U
1,2-Dichlorobenzene	34.9	0.100 U	0.0200 U
Naphthalene	0.016	0.100 U	0.0221 U

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Table 2j
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

GIRL'S BATHROOM

Sample Number	Regional Screening Level Indoor Air	262-0029 CBES-CS5 Girls Toilet Wall Panel Indoor Air	262-0013 CBES-IA5 Girls Toilet Indoor Air
Location			
Sub-Location			
Sample Type			
Result Units	ppbv	ppbv	ppbv
Propylene	1800	1.07	0.938
Dichlorodifluoromethane	20.2	0.568	0.340
Chloromethane	45.5	0.593	0.594 J
Dichlorotetrafluoroethane	NS	0.100 U	0.0200 U
Vinyl Chloride	0.067	0.100 U	0.0200 U
1,3-Butadiene	0.042	0.100 U	0.0200 U
Bromomethane	1.34	0.100 U	0.0200 U
Chloroethane	3790	0.100 U	0.0200 U
Acetone	13500	4.62	2.22 U
Trichlorofluoromethane	130	0.257	0.249
Isopropyl Alcohol	85.5	6.25	1.42
1,1-Dichloroethene	53	0.100 U	0.0200 U
Methylene Chloride	28.8	0.100 U	0.0929
Trichlorotrifluoroethane	4045	0.100 U	0.0762
trans-1,2-Dichloroethene	NS	0.100 U	0.0212
1,1-Dichloroethane	0.45	0.100 U	0.0200 U
MTBE	3.1	0.100 U	0.0200 U
Vinyl Acetate	59.6	0.100 U	0.0200 U
2-Butanone	1760	0.265	0.152
cis-1,2-Dichloroethene	NS	0.100 U	0.0200 U
Ethyl Acetate	20.26	0.100 U	0.0200 U
Hexane	207	0.109	0.107
Chloroform	0.025	0.100 U	0.0219
Tetrahydrofuran	712	0.100 U	0.0200 U
1,2-Dichloroethane	0.027	0.100 U	0.0241
1,1,1-Trichloroethane	953	0.100 U	0.0200 U
Benzene	0.113	0.224	0.204
Carbon Tetrachloride	0.075	0.0891 J	0.0827
Cyclohexane	1830	0.100 U	0.0256
1,2-Dichloropropane	0.061	0.100 U	0.0200 U
1,4-Dioxane	0.155	0.100 U	0.0200 U
Trichloroethene	0.089	0.0582 J	0.0200 U
Heptane	NS	0.148	0.154
cis-1,3-Dichloropropene	0.156	0.100 U	0.0200 U
Methyl Isobutyl Ketone	757	0.100 U	0.133 U
trans-1,3-Dichloropropene	0.156	0.100 U	0.0200 U
1,1,2-Trichloroethane	0.033	0.100 U	0.0200 U

Table 2j
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

GIRL'S BATHROOM

Sample Number	Regional Screening Level Indoor Air	262-0029 CBES-CS5 Girls Toilet Wall Panel Indoor Air	262-0013 CBES-IA5 Girls Toilet Indoor Air
Location			
Sub-Location			
Sample Type			
Result Units	ppbv	ppbv	ppbv
Toluene	1380	0.320	0.346
2-Hexanone	7.6	0.100 U	0.0200 U
Dibromochloromethane	0.012	0.100 U	0.0200 U
1,2-Dibromoethane	0.00061	0.100 U	0.0200 U
Tetrachloroethene	1.62	0.100 U	0.0459
Chlorobenzene	11.3	0.100 U	0.0200 U
Ethylbenzene	0.253	0.100 U	0.0301
m&p-Xylene	46.1	0.100 U	0.103
Bromoform	0.252	0.100 U	0.0200 U
Styrene	235	0.100 U	0.0200 U
1,1,2,2-Tetrachloroethane	0.007	0.100 U	0.0200 U
o-Xylene	23	0.100 U	0.0433
p-Ethyltoluene	NS	0.100 U	0.0200 U
1,3,5-Trimethylbenzene	NS	0.100 U	0.0200 U
1,2,4-Trimethylbenzene	1.49	0.100 U	0.0316 U
1,3-Dichlorobenzene	NS	0.100 U	0.0200 U
1,4-Dichlorobenzene	0.043	0.100 U	0.0200 U
1,2-Dichlorobenzene	34.9	0.100 U	0.0200 U
Naphthalene	0.016	0.100 U	0.0200 U

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Table 2k
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

ADDITIONAL LOCATIONS

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0014 CBES-IA6 Classroom Rm 101 Indoor Air ppbv	262-0016 CBES-IA8 Nurse Rm 107 Indoor Air ppbv	262-0017 CBES-IA9 Corridor/ Across Rm 107 Indoor Air ppbv	262-0018 CBES-IA10 Multipurpose Rm 111 Indoor Air ppbv	262-0036 CBES-TB Blank Indoor Air ppbv	262-0037 CBES-IA17 Principal Rm 105 Indoor Air ppbv
Propylene	1800	1.00 U	0.977	1.01	0.748	0.200 U	1.28
Dichlorodifluoromethane	20.2	0.477	0.305	0.347	0.441	0.0200 U	0.316
Chloromethane	45.5	0.578	0.668 J	0.656 J	0.846 J	0.0200 U	0.578
Dichlorotetrafluoroethane	NS	0.100 U	0.0200 U	0.0200 U	0.0204	0.0200 U	0.0200 U
Vinyl Chloride	0.067	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,3-Butadiene	0.042	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Bromomethane	1.34	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Chloroethane	3790	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Acetone	13500	3.28	2.35 U	1.39 U	2.61	0.510	7.49
Trichlorofluoromethane	130	0.211	0.252	0.254	0.300	0.0200 U	0.249
Isopropyl Alcohol	85.5	2.50 U	0.500 U	0.500 U	0.500 U	0.500 U	0.531
1,1-Dichloroethene	53	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Methylene Chloride	28.8	0.100 U	0.0949	0.0975	0.123	0.0200 U	0.0953
Trichlorotrifluoroethane	4045	0.100 U	0.0727	0.0822	0.0936	0.0200 U	0.0647
trans-1,2-Dichloroethene	NS	0.100 U	0.0264	0.0204	0.0200 U	0.0200 U	0.0200 U
1,1-Dichloroethane	0.45	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
MTBE	3.1	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Vinyl Acetate	59.6	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
2-Butanone	1760	0.100 U	0.108	0.0531	0.148	0.0200 U	0.319
cis-1,2-Dichloroethene	NS	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Ethyl Acetate	20.26	0.100 U	0.0200 U	0.0200 U	0.0231	0.0200 U	0.0200 U
Hexane	207	0.100 U	0.178	0.128	0.105	0.0200 U	0.272
Chloroform	0.025	0.100 U	0.0216	0.0223	0.0384	0.0200 U	0.0236
Tetrahydrofuran	712	0.100 U	0.0825	0.0267	0.0723	0.0200 U	0.0588
1,2-Dichloroethane	0.027	0.100 U	0.0924	0.0200 U	0.0200 U	0.0200 U	0.0528
1,1,1-Trichloroethane	953	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Benzene	0.113	0.185	0.226	0.215	0.214	0.0200 U	0.197
Carbon Tetrachloride	0.075	0.0787 J	0.0838	0.0862	0.109	0.0200 U	0.0774
Cyclohexane	1830	0.100 U	0.0494	0.0249	0.0200 U	0.0200 U	0.334
1,2-Dichloropropane	0.061	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,4-Dioxane	0.155	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Trichloroethene	0.089	0.100 U	0.0329	0.152	0.0200 U	0.0200 U	0.0382
Heptane	NS	0.100 U	0.183	0.101	0.0453	0.0200 U	0.782
cis-1,3-Dichloropropene	0.156	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Methyl Isobutyl Ketone	757	0.100 U	0.0444 U	0.0200 U	0.0200 U	0.0581	0.372
trans-1,3-Dichloropropene	0.156	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,1,2-Trichloroethane	0.033	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Toluene	1380	0.199	0.481	0.363	0.244	0.0200 U	0.553
2-Hexanone	7.6	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0620 J	0.0442 U
Dibromochloromethane	0.012	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,2-Dibromoethane	0.00061	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Tetrachloroethene	1.62	0.100 U	0.0875	0.0471	0.0220	0.0200 U	0.0559
Chlorobenzene	11.3	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Ethylbenzene	0.253	0.100 U	0.0336	0.0319	0.0250	0.0200 U	0.0509
m&p-Xylene	46.1	0.100 U	0.111	0.103	0.0786	0.0200 U	0.182
Bromoform	0.252	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Styrene	235	0.100 U	0.0323 U	0.0200 U	0.0200 U	0.0201	0.0600 U
1,1,2,2-Tetrachloroethane	0.007	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0304	0.0200 U
o-Xylene	23	0.100 U	0.0513	0.0446	0.0350	0.0200 U	0.0703

Table 2k
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

ADDITIONAL LOCATIONS

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0014 CBES-IA6 Classroom Rm 101 Indoor Air ppbv	262-0016 CBES-IA8 Nurse Rm 107 Indoor Air ppbv	262-0017 CBES-IA9 Corridor/ Across Rm 107 Indoor Air ppbv	262-0018 CBES-IA10 Multipurpose Rm 111 Indoor Air ppbv	262-0036 CBES-TB Blank Indoor Air ppbv	262-0037 CBES-IA17 Principal Rm 105 Indoor Air ppbv
p-Ethyltoluene	NS	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,3,5-Trimethylbenzene	NS	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,2,4-Trimethylbenzene	1.49	0.100 U	0.0358 U	0.0328 U	0.0266 U	0.0241	0.0527 U
1,3-Dichlorobenzene	NS	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,4-Dichlorobenzene	0.043	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,2-Dichlorobenzene	34.9	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0261	0.0200 U
Naphthalene	0.016	0.100 U	0.0207 U	0.0200 U	0.0200 U	0.0293 J	0.0465 U

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Table 21
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

AMBIENT/SCHOOL GROUNDS

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0030 CBES-AA1 Bldg A South Ambient Air ppbv	262-0031 CBES-AA1 Bldg A South Ambient Air ppbv	262-0032 CBES-AA2 Bldg B North Ambient Air ppbv	262-0033 CBES-AA2 Bldg B North Ambient Air ppbv
Propylene	1800	0.940	0.915	0.939	0.989
Dichlorodifluoromethane	20.2	0.318	0.286	0.287	0.313
Chloromethane	45.5	0.701	0.673	0.671	0.695
Dichlorotetrafluoroethane	NS	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Vinyl Chloride	0.067	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,3-Butadiene	0.042	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Bromomethane	1.34	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Chloroethane	3790	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Acetone	13500	3.10	2.74	2.53 U	2.76
Trichlorofluoromethane	130	0.293	0.285	0.234	0.254
Isopropyl Alcohol	85.5	0.239	0.0803	0.500 U	0.0492
1,1-Dichloroethene	53	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Methylene Chloride	28.8	0.0949	0.0922	0.0923	0.101
Trichlorotrifluoroethane	4045	0.0678	0.0697	0.0664	0.0708
trans-1,2-Dichloroethene	NS	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,1-Dichloroethane	0.45	0.0200 U	0.0200 U	0.0200 U	0.0200 U
MTBE	3.1	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Vinyl Acetate	59.6	0.0200 U	0.0200 U	0.0200 U	0.0200 U
2-Butanone	1760	0.208	0.192	0.174	0.168
cis-1,2-Dichloroethene	NS	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Ethyl Acetate	20.26	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Hexane	207	0.126	0.100	0.120	0.127
Chloroform	0.025	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Tetrahydrofuran	712	0.123	0.0200 U	0.0923	0.0791
1,2-Dichloroethane	0.027	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,1,1-Trichloroethane	953	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Benzene	0.113	0.236	0.228	0.230	0.240
Carbon Tetrachloride	0.075	0.0911	0.0883	0.0908	0.0915
Cyclohexane	1830	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,2-Dichloropropane	0.061	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,4-Dioxane	0.155	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Trichloroethene	0.089	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Heptane	NS	0.0702	0.0650	0.0695	0.0668
cis-1,3-Dichloropropene	0.156	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Methyl Isobutyl Ketone	757	0.0200 U	0.0200 U	0.0200 U	0.0200 U
trans-1,3-Dichloropropene	0.156	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,1,2-Trichloroethane	0.033	0.0200 U	0.0200 U	0.0200 U	0.0200 U

Table 2I
SUMMA Canister Sample Results in ppbv
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

AMBIENT/SCHOOL GROUNDS

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air ppbv	262-0030 CBES-AA1 Bldg A South Ambient Air ppbv	262-0031 CBES-AA1 Bldg A South Ambient Air ppbv	262-0032 CBES-AA2 Bldg B North Ambient Air ppbv	262-0033 CBES-AA2 Bldg B North Ambient Air ppbv
Toluene	1380	0.429	0.337	0.299	0.318
2-Hexanone	7.6	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Dibromochloromethane	0.012	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,2-Dibromoethane	0.00061	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Tetrachloroethene	1.62	0.0434	0.0426	0.0361	0.0301
Chlorobenzene	11.3	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Ethylbenzene	0.253	0.0329	0.0320	0.0287	0.0290
m&p-Xylene	46.1	0.115	0.108	0.0954	0.104
Bromoform	0.252	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Styrene	235	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,1,2,2-Tetrachloroethane	0.007	0.0200 U	0.0200 U	0.0200 U	0.0200 U
o-Xylene	23	0.0495	0.044	0.0419	0.0436
p-Ethyltoluene	NS	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,3,5-Trimethylbenzene	NS	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,2,4-Trimethylbenzene	1.49	0.0336 U	0.0297 U	0.0273 U	0.0299 U
1,3-Dichlorobenzene	NS	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,4-Dichlorobenzene	0.043	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1,2-Dichlorobenzene	34.9	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Naphthalene	0.016	0.0574 U	0.0457 U	0.0546 U	0.0369 U

ppbv = parts per billion by volume

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented, but have not been flagged relative to a screening level.

Table 3a
SUMMA Canister Sample Results in µg/m³
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

BASEMENT

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air µg/m ³	262-0009 CBES-IA1 Basement Stair Indoor Air µg/m ³	262-0001 CBES-SS1 Basement Stair Sub-Slab µg/m ³	262-0010 CBES-IA2 Mech Room Indoor Air µg/m ³	262-0034 CBES-IA2 Mech Room Collocated Indoor Air µg/m ³	262-0002 CBES-SS2 Mech Room Sub-Slab µg/m ³	262-0025 CBES-CS1 Basement CS1 Indoor Air µg/m ³	262-0026 CBES-CS2 Basement CS2 Indoor Air µg/m ³	262-0027 CBES-CS3 Basement CS3 Indoor Air µg/m ³
Propylene	3100	1.72 U	1.51	1.88	0.344 U	31.5	1.21	0.596	1.72 U
Dichlorodifluoromethane	100	2.69	1.24	2.63	0.0989 U	2.36	1.61	1.63	2.83
Chloromethane	94	0.529	0.134	1.26	0.209	0.207 U	0.856 J	0.384 J	0.620
Dichlorotetrafluoroethane	NS	0.699 U	0.424	0.699 U	0.140 U	0.699 U	0.140 U	0.140 U	0.699 U
Vinyl Chloride	0.17	0.256 U	0.0511 U	0.256 U	0.0511 U	0.256 U	0.0511 U	0.0511 U	0.256 U
1,3-Butadiene	0.094	0.221 U	0.0442 U	0.221 U	0.0442 U	0.221 U	0.0442 U	0.0442 U	0.221 U
Bromomethane	5.2	0.388 U	0.0777 U	0.388 U	0.0777 U	0.388 U	0.0777 U	0.0777 U	0.388 U
Chloroethane	10000	0.264 U	0.0528 U	0.264 U	0.0528 U	0.264 U	0.0528 U	0.0528 U	0.264 U
Acetone	32000	5.94 U	58.7	6.94	6.49	371 J	5.63 U	1.93 U	6.48
Trichlorofluoromethane	730	1.50	1.63	1.41	1.30	10.0	1.69	1.55	1.45
Isopropyl Alcohol	210	6.15 U	1.93	6.15 U	0.871	10.1	1.23 U	1.23 U	6.15 U
1,1-Dichloroethene	210	0.396 U	0.0793 U	0.396 U	0.0793 U	0.396 U	0.0793 U	0.0793 U	0.396 U
Methylene Chloride	100	0.347 U	0.121	0.452	0.334	0.347 U	0.229	0.180	0.366
Trichlorotrifluoroethane	31000	0.766 U	0.569	0.766 U	0.553	0.766 U	0.580	0.577	0.766 U
trans-1,2-Dichloroethene	NS	0.396 U	0.0793 U	0.396 U	0.0837	0.396 U	0.0793 U	0.0793 U	0.396 U
1,1-Dichloroethane	1.8	0.405 U	0.0809 U	0.405 U	0.0809 U	0.405 U	0.0809 U	0.0809 U	0.405 U
MTBE	11	0.361 U	0.0721 U	0.361 U	0.0721 U	0.361 U	0.0721 U	0.0721 U	0.361 U
Vinyl Acetate	210	0.817	0.0704 U	0.352 U	0.0704 U	20.0	0.0704 U	0.0704 U	0.352 U
2-Butanone	5200	0.295 U	8.47	0.295 U	0.551	10.5	0.577	0.148	0.679
cis-1,2-Dichloroethene	NS	0.396 U	0.165	0.396 U	0.0793 U	0.396 U	0.0793 U	0.0793 U	0.396 U
Ethyl Acetate	73	0.360 U	0.0721 U	0.360 U	0.0721 U	0.360 U	0.0721 U	0.0721 U	0.360 U
Hexane	730	0.352 U	0.210	0.355	0.358	38.5	0.408	0.163	0.352 U
Chloroform	0.12	0.213 J	8.08	0.488 U	0.108	2.85	0.211	0.182	0.0752 J
Tetrahydrofuran	2100	0.295 U	0.0590 U	0.295 U	0.288	0.295 U	0.144	0.0759	0.295 U
1,2-Dichloroethane	0.11	0.405 U	0.0809 U	0.405 U	0.0809 U	0.405 U	0.0809 U	0.0809 U	0.405 U
1,1,1-Trichloroethane	5200	0.546 U	0.284	0.546 U	0.109 U	0.546 U	0.546	0.745	0.546 U
Benzene	0.36	0.319 U	0.320	0.694	0.764	5.49	0.380	0.220	0.465
Carbon Tetrachloride	0.47	0.595 J	0.235	0.588 J	0.520	0.629 U	0.525	0.515	0.547 J
Cyclohexane	6300	0.344 U	0.0688 U	0.344 U	0.0688 U	0.344 U	0.0688 U	0.0688 U	0.344 U
1,2-Dichloropropane	0.28	0.462 U	0.0924 U	0.462 U	0.0924 U	0.462 U	0.0924 U	0.0924 U	0.462 U
1,4-Dioxane	0.56	0.360 U	0.0721 U	0.360 U	0.0721 U	0.360 U	0.0721 U	0.0721 U	0.360 U
Trichloroethene	0.48	0.307 J	34.3	0.537 U	0.137	18.2	0.181	0.231	0.245 J
Heptane	NS	0.410 U	0.303	0.410 U	0.304	21.9	0.293	0.0820 U	0.410 U
cis-1,3-Dichloropropene	0.71	0.454 U	0.0908 U	0.454 U	0.0908 U	0.454 U	0.0908 U	0.0908 U	0.454 U
Methyl Isobutyl Ketone	3100	0.410 U	0.877 U	0.410 U	0.0819 U	17.3	0.209 U	0.0819 U	0.410 U
trans-1,3-Dichloropropene	0.71	0.454 U	0.0908 U	0.454 U	0.0908 U	0.454 U	0.0908 U	0.0908 U	0.454 U
1,1,2-Trichloroethane	0.18	0.546 U	0.109 U	0.546 U	0.109 U	0.546 U	0.109 U	0.109 U	0.546 U
Toluene	5200	0.491	0.731	0.967	1.10	7.49	0.830	0.364	0.783
2-Hexanone	31	0.410 U	1.52	0.410 U	0.0819 U	2.73	0.0819 U	0.0819 U	0.410 U
Dibromochloromethane	0.10	0.852 U	0.403	0.852 U	0.170 U	0.852 U	0.170 U	0.170 U	0.852 U
1,2-Dibromoethane	0.0047	0.768 U	0.154 U	0.768 U	0.154 U	0.768 U	0.154 U	0.154 U	0.768 U
Tetrachloroethene	11	0.678 U	13.8	0.678 U	0.291	5.73	0.475	0.542	0.678 U
Chlorobenzene	52	0.460 U	0.380	0.460 U	0.0921 U	0.460 U	0.0921 U	0.0921 U	0.460 U
Ethylbenzene	1.1	0.434 U	0.143	0.434 U	0.142	3.49	0.126	0.0868 U	0.434 U
m&p-Xylene	200	0.434 U	0.486	0.434 U	0.445	2.61	0.599	0.129	0.434 U
Bromoform	2.6	1.03 U	0.207 U	1.03 U	0.207 U	1.03 U	0.207 U	0.207 U	1.03 U
Styrene	1000	0.426 U	0.0888 U	0.426 U	0.0852 U	0.426 U	0.0852 U	0.0852 U	0.426 U
1,1,2,2-Tetrachloroethane	0.048	0.687 U	0.137 U	0.687 U	0.137 U	0.687 U	0.137 U	0.137 U	0.687 U
o-Xylene	100	0.434 U	0.201	0.434 U	0.179	1.49	0.198	0.0868 U	0.434 U
p-Ethyltoluene	NS	0.492 U	0.0983 U	0.492 U	0.0983 U	0.656	0.0983 U	0.0983 U	0.492 U
1,3,5-Trimethylbenzene	NS	0.492 U	0.0983 U	0.492 U	0.0983 U	0.492 U	0.0983 U	0.0983 U	0.492 U
1,2,4-Trimethylbenzene	7.3	0.492 U	0.216 U	0.492 U	0.204 U	0.689	0.104 U	0.0983 U	0.492 U

Table 3a
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

BASEMENT

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0009 CBES-IA1 Basement Stair Indoor Air $\mu\text{g}/\text{m}^3$	262-0001 CBES-SS1 Basement Stair Sub-Slab $\mu\text{g}/\text{m}^3$	262-0010 CBES-IA2 Mech Room Indoor Air $\mu\text{g}/\text{m}^3$	262-0034 CBES-IA2 Mech Room Collocated Indoor Air $\mu\text{g}/\text{m}^3$	262-0002 CBES-SS2 Mech Room Sub-Slab $\mu\text{g}/\text{m}^3$	262-0025 CBES-CS1 Basement CS1 Indoor Air $\mu\text{g}/\text{m}^3$	262-0026 CBES-CS2 Basement CS2 Indoor Air $\mu\text{g}/\text{m}^3$	262-0027 CBES-CS3 Basement CS3 Indoor Air $\mu\text{g}/\text{m}^3$
1,3-Dichlorobenzene	NS	0.601 U	0.120 U	0.601 U	0.120 U	0.601 U	0.120 U	0.120 U	0.601 U
1,4-Dichlorobenzene	0.26	0.601 U	0.872	0.601 U	0.120 U	0.890	0.120 U	0.120 U	0.233 J
1,2-Dichlorobenzene	210	0.601 U	0.120 U	0.601 U	0.120 U	0.601 U	0.120 U	0.120 U	0.601 U
Naphthalene	0.083	0.524 U	0.948	0.524 U	0.105 U	2.15	1.59 J	0.105 U	0.667 U

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 3b
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

STORAGE

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0019 CBES-IA11 Storage Indoor Air $\mu\text{g}/\text{m}^3$	262-0003 CBES-SS3 Storage Sub-Slab $\mu\text{g}/\text{m}^3$
Propylene	3100	2.32	1.72 U
Dichlorodifluoromethane	100	1.72	2.42
Chloromethane	94	1.36 J	0.207 U
Dichlorotetrafluoroethane	NS	0.140 U	0.699 U
Vinyl Chloride	0.17	0.0511 U	0.256 U
1,3-Butadiene	0.094	0.0442 U	0.221 U
Bromomethane	5.2	0.0777 U	0.388 U
Chloroethane	10000	0.0528 U	0.264 U
Acetone	32000	9.85	8.56
Trichlorofluoromethane	730	1.41	1.71
Isopropyl Alcohol	210	1.23 U	6.15 U
1,1-Dichloroethene	210	0.0793 U	0.396 U
Methylene Chloride	100	0.345	0.347 U
Trichlorotrifluoroethane	31000	0.594	0.766 U
trans-1,2-Dichloroethene	NS	0.0793 U	0.396 U
1,1-Dichloroethane	1.8	0.0809 U	0.405 U
MTBE	11	0.0721 U	0.361 U
Vinyl Acetate	210	0.0704 U	0.352 U
2-Butanone	5200	0.746	0.764
cis-1,2-Dichloroethene	NS	0.0793 U	0.396 U
Ethyl Acetate	73	0.0721 U	0.360 U
Hexane	730	0.680	0.352 U
Chloroform	0.12	0.103	0.488 U
Tetrahydrofuran	2100	0.157	0.295 U
1,2-Dichloroethane	0.11	0.0809 U	0.405 U
1,1,1-Trichloroethane	5200	0.109 U	0.546 U
Benzene	0.36	0.735	0.319 U
Carbon Tetrachloride	0.47	0.522	0.629 U
Cyclohexane	6300	0.165	0.344 U
1,2-Dichloropropane	0.28	0.0924 U	0.462 U
1,4-Dioxane	0.56	0.0721 U	0.360 U
Trichloroethene	0.48	0.138	0.537 U
Heptane	NS	0.383	0.410 U
cis-1,3-Dichloropropene	0.71	0.0908 U	0.454 U
Methyl Isobutyl Ketone	3100	0.368 U	0.410 U
trans-1,3-Dichloropropene	0.71	0.0908 U	0.454 U
1,1,2-Trichloroethane	0.18	0.109 U	0.546 U

Table 3b
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

STORAGE

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0019 CBES-IA11 Storage Indoor Air $\mu\text{g}/\text{m}^3$	262-0003 CBES-SS3 Storage Sub-Slab $\mu\text{g}/\text{m}^3$
Toluene	5200	1.47	0.377 U
2-Hexanone	31	0.0819 U	0.410 U
Dibromochloromethane	0.10	0.170 U	0.852 U
1,2-Dibromoethane	0.0047	0.154 U	0.768 U
Tetrachloroethene	11	0.315	7.87
Chlorobenzene	52	0.0921 U	0.460 U
Ethylbenzene	1.1	0.195	0.434 U
m&p-Xylene	200	0.684	0.434 U
Bromoform	2.6	0.207 U	1.03 U
Styrene	1000	0.0881 U	0.426 U
1,1,2,2-Tetrachloroethane	0.048	0.137 U	0.687 U
o-Xylene	100	0.248	0.434 U
p-Ethyltoluene	NS	0.111	0.492 U
1,3,5-Trimethylbenzene	NS	0.0983 U	0.492 U
1,2,4-Trimethylbenzene	7.3	0.198 U	0.492 U
1,3-Dichlorobenzene	NS	0.120 U	0.601 U
1,4-Dichlorobenzene	0.26	0.120 U	0.702
1,2-Dichlorobenzene	210	0.120 U	0.601 U
Naphthalene	0.083	0.106 U	0.558 U

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 3c
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

CAFETERIA

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0020 CBES-IA12 Cafeteria Rm 113 Indoor Air $\mu\text{g}/\text{m}^3$	262-0004 CBES-SS4 Cafeteria Rm 113 Sub-Slab $\mu\text{g}/\text{m}^3$
Propylene	3100	1.77	4.62
Dichlorodifluoromethane	100	1.60	1.45
Chloromethane	94	1.38 U	0.175
Dichlorotetrafluoroethane	NS	0.140 U	0.140 U
Vinyl Chloride	0.17	0.0511 U	0.0511 U
1,3-Butadiene	0.094	0.0442 U	0.0442 U
Bromomethane	5.2	0.0777 U	0.0777 U
Chloroethane	10000	0.0528 U	0.0528 U
Acetone	32000	7.91	20.1
Trichlorofluoromethane	730	1.32	1.56
Isopropyl Alcohol	210	1.23 U	2.31
1,1-Dichloroethene	210	0.0793 U	0.0793 U
Methylene Chloride	100	0.333	0.0695 U
Trichlorotrifluoroethane	31000	0.532	0.559
trans-1,2-Dichloroethene	NS	0.0895	0.0793 U
1,1-Dichloroethane	1.8	0.0809 U	0.0809 U
MTBE	11	0.0721 U	0.0721 U
Vinyl Acetate	210	0.0704 U	0.641
2-Butanone	5200	0.697	2.77
cis-1,2-Dichloroethene	NS	0.0793 U	0.0793 U
Ethyl Acetate	73	0.0721 U	0.0721 U
Hexane	730	0.0705 U	0.235
Chloroform	0.12	0.0977 U	0.102
Tetrahydrofuran	2100	0.182	0.0590 U
1,2-Dichloroethane	0.11	0.0809 U	0.0809 U
1,1,1-Trichloroethane	5200	0.109 U	0.109 U
Benzene	0.36	0.717	0.361
Carbon Tetrachloride	0.47	0.518	0.447
Cyclohexane	6300	0.0688 U	0.0688 U
1,2-Dichloropropane	0.28	0.0924 U	0.0924 U
1,4-Dioxane	0.56	0.0721 U	0.0721 U
Trichloroethene	0.48	0.130	0.450
Heptane	NS	0.388	0.234
cis-1,3-Dichloropropene	0.71	0.0908 U	0.0908 U
Methyl Isobutyl Ketone	3100	0.0819 U	0.179 U
trans-1,3-Dichloropropene	0.71	0.0908 U	0.0908 U
1,1,2-Trichloroethane	0.18	0.109 U	0.109 U

Table 3c
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

CAFETERIA

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0020 CBES-IA12 Cafeteria Rm 113 Indoor Air $\mu\text{g}/\text{m}^3$	262-0004 CBES-SS4 Cafeteria Rm 113 Sub-Slab $\mu\text{g}/\text{m}^3$
Toluene	5200	1.32	0.649
2-Hexanone	31	0.0819 U	0.436 U
Dibromochloromethane	0.10	0.170 U	0.170 U
1,2-Dibromoethane	0.0047	0.154 U	0.154 U
Tetrachloroethene	11	0.307	2.00
Chlorobenzene	52	0.0921 U	0.092 U
Ethylbenzene	1.1	0.144	0.137
m&p-Xylene	200	0.475	0.280
Bromoform	2.6	0.207 U	0.207 U
Styrene	1000	0.0852 U	0.480
1,1,2,2-Tetrachloroethane	0.048	0.137 U	0.137 U
o-Xylene	100	0.208	0.147
p-Ethyltoluene	NS	0.104	0.0983 U
1,3,5-Trimethylbenzene	NS	0.0983 U	0.0983 U
1,2,4-Trimethylbenzene	7.3	0.163 U	0.128 U
1,3-Dichlorobenzene	NS	0.120 U	0.120 U
1,4-Dichlorobenzene	0.26	0.120 U	0.830
1,2-Dichlorobenzene	210	0.120 U	0.120 U
Naphthalene	0.083	0.105 U	3.12

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 3d
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

MUSIC/ART ROOM 123

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0021 CBES-IA13 Music/Art Rm 123 Indoor Air $\mu\text{g}/\text{m}^3$	262-0005 CBES-SS5 Music/Art Rm 123 Sub-Slab $\mu\text{g}/\text{m}^3$
Propylene	3100	2.06	1.72 U
Dichlorodifluoromethane	100	1.45	2.64
Chloromethane	94	1.31 J	0.207 U
Dichlorotetrafluoroethane	NS	0.140 U	0.699 U
Vinyl Chloride	0.17	0.0511 U	0.256 U
1,3-Butadiene	0.094	0.0442 U	0.221 U
Bromomethane	5.2	0.0777 U	0.388 U
Chloroethane	10000	0.0528 U	0.264 U
Acetone	32000	15.5	9.62
Trichlorofluoromethane	730	1.35	1.47
Isopropyl Alcohol	210	1.57	6.15 U
1,1-Dichloroethene	210	0.0793 U	0.396 U
Methylene Chloride	100	0.324	0.347 U
Trichlorotrifluoroethane	31000	0.562	0.766 U
trans-1,2-Dichloroethene	NS	0.0793 U	0.396 U
1,1-Dichloroethane	1.8	0.0809 U	0.405 U
MTBE	11	0.0721 U	0.361 U
Vinyl Acetate	210	0.0704 U	0.352 U
2-Butanone	5200	0.649 J	0.947
cis-1,2-Dichloroethene	NS	0.0793 U	0.396 U
Ethyl Acetate	73	0.0721 U	0.360 U
Hexane	730	1.15	0.352 U
Chloroform	0.12	0.0977 U	0.488 U
Tetrahydrofuran	2100	0.234 J	0.295 U
1,2-Dichloroethane	0.11	0.0809 U	0.405 U
1,1,1-Trichloroethane	5200	0.109 U	0.546 U
Benzene	0.36	0.715	0.319 U
Carbon Tetrachloride	0.47	0.501	0.629 U
Cyclohexane	6300	0.268	0.344 U
1,2-Dichloropropane	0.28	0.0924 U	0.462 U
1,4-Dioxane	0.56	0.0721 U	0.360 U
Trichloroethene	0.48	0.115	0.537 U
Heptane	NS	0.520	0.410 U
cis-1,3-Dichloropropene	0.71	0.0908 U	0.454 U
Methyl Isobutyl Ketone	3100	0.0819 U	0.410 U
trans-1,3-Dichloropropene	0.71	0.0908 U	0.454 U
1,1,2-Trichloroethane	0.18	0.109 U	0.546 U

Table 3d
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

MUSIC/ART ROOM 123

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0021 CBES-IA13 Music/Art Rm 123 Indoor Air $\mu\text{g}/\text{m}^3$	262-0005 CBES-SS5 Music/Art Rm 123 Sub-Slab $\mu\text{g}/\text{m}^3$
Toluene	5200	1.46	0.377 U
2-Hexanone	31	0.0819 U	0.410 U
Dibromochloromethane	0.10	0.170 U	0.852 U
1,2-Dibromoethane	0.0047	0.154 U	0.768 U
Tetrachloroethene	11	0.272	0.972
Chlorobenzene	52	0.0921 U	0.460 U
Ethylbenzene	1.1	0.204	0.434 U
m&p-Xylene	200	0.689	0.434 U
Bromoform	2.6	0.207 U	1.03 U
Styrene	1000	0.0956 U	0.426 U
1,1,1,2-Tetrachloroethane	0.048	0.137 U	0.687 U
o-Xylene	100	0.259	0.434 U
p-Ethyltoluene	NS	0.139	0.492 U
1,3,5-Trimethylbenzene	NS	0.132	0.492 U
1,2,4-Trimethylbenzene	7.3	0.481 U	0.492 U
1,3-Dichlorobenzene	NS	0.120 U	0.601 U
1,4-Dichlorobenzene	0.26	0.120 U	0.601 U
1,2-Dichlorobenzene	210	0.120 U	0.601 U
Naphthalene	0.083	0.105 U	0.640 U

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-Slab soil gas results are presented but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 3e
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

PRE-K CLASSROOM 120

Sample Number	Regional Screening Level Indoor Air	262-0022 CBES-IA14 Pre-K Rm 120 Indoor Air	262-0006 CBES-SS6 Pre-K Rm 120 Sub-Slab
Location			
Sub-Location			
Sample Type			
Result Units	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
Propylene	3100	1.96	2.09
Dichlorodifluoromethane	100	2.01	2.23
Chloromethane	94	1.42 J	0.207 U
Dichlorotetrafluoroethane	NS	0.140 U	0.699 U
Vinyl Chloride	0.17	0.0511 U	0.256 U
1,3-Butadiene	0.094	0.0442 U	0.221 U
Bromomethane	5.2	0.0777 U	0.388 U
Chloroethane	10000	0.0528 U	0.264 U
Acetone	32000	13.0	108
Trichlorofluoromethane	730	1.44	1.79
Isopropyl Alcohol	210	1.23 U	6.15 U
1,1-Dichloroethene	210	0.0793 U	0.396 U
Methylene Chloride	100	0.406	0.347 U
Trichlorotrifluoroethane	31000	0.574	0.766 U
trans-1,2-Dichloroethene	NS	0.114	0.396 U
1,1-Dichloroethane	1.8	0.0809 U	0.405 U
MTBE	11	0.0721 U	0.361 U
Vinyl Acetate	210	0.0704 U	0.352 U
2-Butanone	5200	0.559	10.7
cis-1,2-Dichloroethene	NS	0.0793 U	0.396 U
Ethyl Acetate	73	0.0721 U	0.360 U
Hexane	730	0.532	5.42
Chloroform	0.12	0.0977 U	5.32
Tetrahydrofuran	2100	0.183	0.295 U
1,2-Dichloroethane	0.11	0.0809 U	0.405 U
1,1,1-Trichloroethane	5200	0.109 U	0.546 U
Benzene	0.36	0.782	0.789
Carbon Tetrachloride	0.47	0.512	0.629 U
Cyclohexane	6300	0.088	1.14
1,2-Dichloropropane	0.28	0.0924 U	0.462 U
1,4-Dioxane	0.56	0.0721 U	0.360 U
Trichloroethene	0.48	0.172	25.5
Heptane	NS	0.731	7.56
cis-1,3-Dichloropropene	0.71	0.0908 U	0.454 U
Methyl Isobutyl Ketone	3100	0.1720 U	1.54
trans-1,3-Dichloropropene	0.71	0.0908 U	0.454 U
1,1,2-Trichloroethane	0.18	0.109 U	0.546 U

Table 3e
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

PRE-K CLASSROOM 120

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0022 CBES-IA14 Pre-K Rm 120 Indoor Air $\mu\text{g}/\text{m}^3$	262-0006 CBES-SS6 Pre-K Rm 120 Sub-Slab $\mu\text{g}/\text{m}^3$
Toluene	5200	1.60	3.92
2-Hexanone	31	0.0819 U	2.90
Dibromochloromethane	0.10	0.170 U	0.852 U
1,2-Dibromoethane	0.0047	0.154 U	0.768 U
Tetrachloroethene	11	0.539	163
Chlorobenzene	52	0.0921 U	0.460 U
Ethylbenzene	1.1	0.167	22.6
m&p-Xylene	200	0.593	5.55
Bromoform	2.6	0.207 U	1.03 U
Styrene	1000	0.197 U	0.442
1,1,2,2-Tetrachloroethane	0.048	0.137 U	0.687 U
o-Xylene	100	0.242	5.82
p-Ethyltoluene	NS	0.098 U	2.11
1,3,5-Trimethylbenzene	NS	0.098 U	2.90
1,2,4-Trimethylbenzene	7.3	0.187 U	11.1
1,3-Dichlorobenzene	NS	0.120 U	0.601 U
1,4-Dichlorobenzene	0.26	0.120 U	0.905
1,2-Dichlorobenzene	210	0.120 U	0.601 U
Naphthalene	0.083	0.118 U	207

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 3f
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

KINDERGARTEN CLASSROOM 122

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0023 CBES-IA15 Kindergarten Rm 122 Indoor Air $\mu\text{g}/\text{m}^3$	262-0007 CBES-SS7 Kindergarten Rm 122 Sub-Slab $\mu\text{g}/\text{m}^3$
Propylene	3100	1.75	1.72 U
Dichlorodifluoromethane	100	1.54	2.89
Chloromethane	94	1.38 J	0.207 U
Dichlorotetrafluoroethane	NS	0.140 U	0.699 U
Vinyl Chloride	0.17	0.0511 U	0.256 U
1,3-Butadiene	0.094	0.0442 U	0.221 U
Bromomethane	5.2	0.0777 U	0.388 U
Chloroethane	10000	0.0528 U	0.264 U
Acetone	32000	6.89	27.6
Trichlorofluoromethane	730	1.37	1.71
Isopropyl Alcohol	210	1.23 U	6.15 U
1,1-Dichloroethene	210	0.0793 U	0.396 U
Methylene Chloride	100	0.357	0.347 U
Trichlorotrifluoroethane	31000	0.600	0.766 U
trans-1,2-Dichloroethene	NS	0.0912	0.396 U
1,1-Dichloroethane	1.8	0.0809 U	0.405 U
MTBE	11	0.0721 U	0.361 U
Vinyl Acetate	210	0.0704 U	0.352 U
2-Butanone	5200	0.501	2.54
cis-1,2-Dichloroethene	NS	0.0793 U	0.396 U
Ethyl Acetate	73	0.0721 U	0.360 U
Hexane	730	0.531	1.34
Chloroform	0.12	0.0977 U	0.488 U
Tetrahydrofuran	2100	0.252	0.295 U
1,2-Dichloroethane	0.11	0.0809 U	0.405 U
1,1,1-Trichloroethane	5200	0.109 U	0.546 U
Benzene	0.36	0.729	0.376
Carbon Tetrachloride	0.47	0.507	0.629 U
Cyclohexane	6300	0.141	0.344 U
1,2-Dichloropropane	0.28	0.0924 U	0.462 U
1,4-Dioxane	0.56	0.0721 U	0.360 U
Trichloroethene	0.48	0.117	0.537 U
Heptane	NS	0.313	1.71
cis-1,3-Dichloropropene	0.71(a)	0.0908 U	0.454 U
Methyl Isobutyl Ketone	3100	0.376 U	0.550 U
trans-1,3-Dichloropropene	0.71(a)	0.0908 U	0.454 U
1,1,2-Trichloroethane	0.18	0.109 U	0.546 U

Table 3f
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

KINDERGARTEN CLASSROOM 122

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0023 CBES-IA15 Kindergarten Rm 122 Indoor Air $\mu\text{g}/\text{m}^3$	262-0007 CBES-SS7 Kindergarten Rm 122 Sub-Slab $\mu\text{g}/\text{m}^3$
Toluene	5200	1.68	1.32
2-Hexanone	31	0.0819 U	0.830 U
Dibromochloromethane	0.10	0.170 U	0.852 U
1,2-Dibromoethane	0.0047	0.154 U	0.768 U
Tetrachloroethene	11	0.315	10.9
Chlorobenzene	52	0.0921 U	0.460 U
Ethylbenzene	1.1	0.136	3.47
m&p-Xylene	200	0.468	1.21
Bromoform	2.6	0.207 U	1.03 U
Styrene	1000	0.0852 U	0.426 U
1,1,2,2-Tetrachloroethane	0.048	0.137 U	0.687 U
o-Xylene	100	0.206	1.03
p-Ethyltoluene	NS	0.0983 U	0.492 U
1,3,5-Trimethylbenzene	NS	0.0983 U	0.492 U
1,2,4-Trimethylbenzene	7.3	0.162 U	1.36
1,3-Dichlorobenzene	NS	0.120 U	0.601 U
1,4-Dichlorobenzene	0.26	0.120 U	0.745
1,2-Dichlorobenzene	210	0.120 U	0.601 U
Naphthalene	0.083	0.105 U	64.2

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 3g
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

MUSIC ROOM 121

Sample Number	Regional Screening Level	262-0024	262-0008
Location	Indoor Air	CBES-IA16	CBES-SS8
Sub-Location		Music Rm 121	Music Rm 121
Sample Type		Indoor Air	Sub-Slab
Result Units	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
Propylene	3100	1.64	1.72 U
Dichlorodifluoromethane	100	1.57	3.20
Chloromethane	94	1.35 J	0.326
Dichlorotetrafluoroethane	NS	0.140 U	0.699 U
Vinyl Chloride	0.17	0.0511 U	0.256 U
1,3-Butadiene	0.094	0.0442 U	0.221 U
Bromomethane	5.2	0.0777 U	0.388 U
Chloroethane	10000	0.0528 U	0.264 U
Acetone	32000	6.20	34.0
Trichlorofluoromethane	730	1.39	1.61
Isopropyl Alcohol	210	1.23 U	6.15 U
1,1-Dichloroethene	210	0.0793 U	0.396 U
Methylene Chloride	100	0.391	0.347 U
Trichlorotrifluoroethane	31000	0.553	0.766 U
trans-1,2-Dichloroethene	NS	0.0895	0.396 U
1,1-Dichloroethane	1.8	0.0809 U	0.405 U
MTBE	11	0.0721 U	0.361 U
Vinyl Acetate	210	0.0704 U	0.590
2-Butanone	5200	0.567	2.05
cis-1,2-Dichloroethene	NS	0.0793 U	0.396 U
Ethyl Acetate	73	0.0721 U	0.360 U
Hexane	730	0.490	0.352 U
Chloroform	0.12	0.0977 U	0.488 U
Tetrahydrofuran	2100	0.260	0.295 U
1,2-Dichloroethane	0.11	0.0809 U	0.405 U
1,1,1-Trichloroethane	5200	0.109 U	0.546 U
Benzene	0.36	0.728	0.319 U
Carbon Tetrachloride	0.47	0.512	0.629 U
Cyclohexane	6300	0.0774	0.344 U
1,2-Dichloropropane	0.28	0.0924 U	0.462 U
1,4-Dioxane	0.56	0.0721 U	0.360 U
Trichloroethene	0.48	0.123	0.558
Heptane	NS	0.301	0.410 U
cis-1,3-Dichloropropene	0.71	0.0908 U	0.454 U
Methyl Isobutyl Ketone	3100	0.0819 U	0.410 U
trans-1,3-Dichloropropene	0.71	0.0908 U	0.454 U

Table 3g
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

MUSIC ROOM 121

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0024 CBES-IA16 Music Rm 121 Indoor Air $\mu\text{g}/\text{m}^3$	262-0008 CBES-SS8 Music Rm 121 Sub-Slab $\mu\text{g}/\text{m}^3$
1,1,2-Trichloroethane	0.18	0.109 U	0.546 U
Toluene	5200	1.48	0.754
2-Hexanone	31	0.0819 U	0.410 U
Dibromochloromethane	0.10	0.170 U	0.852 U
1,2-Dibromoethane	0.0047	0.154 U	0.768 U
Tetrachloroethene	11	0.282	6.32
Chlorobenzene	52	0.0921 U	0.460 U
Ethylbenzene	1.1	0.150	0.434 U
m&p-Xylene	200	0.473	0.434 U
Bromoform	2.6	0.207 U	1.03 U
Styrene	1000	0.0852 U	0.426 U
1,1,2,2-Tetrachloroethane	0.048	0.137 U	0.687 U
o-Xylene	100	0.206	0.434 U
p-Ethyltoluene	NS	0.0983 U	0.492 U
1,3,5-Trimethylbenzene	NS	0.0983 U	0.492 U
1,2,4-Trimethylbenzene	7.3	0.183 U	0.492 U
1,3-Dichlorobenzene	NS	0.120 U	0.601 U
1,4-Dichlorobenzene	0.26	0.120 U	0.834
1,2-Dichlorobenzene	210	0.120 U	0.601 U
Naphthalene	0.083	0.124 U	3.34

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

Note: Sub-slab soil gas RSLs are 10x the Indoor Air RSLs.

Table 3h
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

LIBRARY ROOM 100

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0028 CBES-CS4 Office CS Indoor Air $\mu\text{g}/\text{m}^3$	262-0011 CBES-IA3 Office / Workroom Indoor Air $\mu\text{g}/\text{m}^3$	262-0012 CBES-IA4 Library Rm 100 Indoor Air $\mu\text{g}/\text{m}^3$
Propylene	3100	1.17	1.87	1.73
Dichlorodifluoromethane	100	1.79	2.05	1.42
Chloromethane	94	0.422	1.57 J	1.36 J
Dichlorotetrafluoroethane	NS	0.140 U	0.140 U	0.140 U
Vinyl Chloride	0.17	0.0511 U	0.0511 U	0.0511 U
1,3-Butadiene	0.094	0.0442 U	0.0442 U	0.0442 U
Bromomethane	5.2	0.0777 U	0.0777 U	0.0777 U
Chloroethane	10000	0.0528 U	0.0528 U	0.0528 U
Acetone	32000	4.93 U	7.45	8.43
Trichlorofluoromethane	730	1.42	1.45	1.32
Isopropyl Alcohol	210	1.23 U	1.23 U	1.23 U
1,1-Dichloroethene	210	0.0793 U	0.0793 U	0.0793 U
Methylene Chloride	100	0.195	0.361	0.348
Trichlorotrifluoroethane	31000	0.584	0.595	0.568
trans-1,2-Dichloroethene	NS	0.0976	0.0887	0.0793 U
1,1-Dichloroethane	1.8	0.0809 U	0.0809 U	0.0809 U
MTBE	11	0.0721 U	0.0721 U	0.0721 U
Vinyl Acetate	210	0.413	0.0704 U	0.0704 U
2-Butanone	5200	0.371	0.425	0.537
cis-1,2-Dichloroethene	NS	0.0793 U	0.0793 U	0.0793 U
Ethyl Acetate	73	0.0721 U	0.0721 U	0.0721 U
Hexane	730	0.246	0.468	0.684
Chloroform	0.12	0.0977 U	0.0977 U	0.0977 U
Tetrahydrofuran	2100	0.339	0.117	0.842
1,2-Dichloroethane	0.11	0.0809 U	0.0809 U	0.0809 U
1,1,1-Trichloroethane	5200	5.450	0.109 U	0.109 U
Benzene	0.36	0.230	0.734	0.703
Carbon Tetrachloride	0.47	0.528	0.529	0.491
Cyclohexane	6300	0.0688 U	0.211	0.0688 U
1,2-Dichloropropane	0.28	0.0924 U	0.0924 U	0.0924 U
1,4-Dioxane	0.56	0.0721 U	0.0721 U	0.0721 U
Trichloroethene	0.48	0.185	0.204	0.124
Heptane	NS	0.164	1.13	0.368
cis-1,3-Dichloropropene	0.71	0.0908 U	0.0908 U	0.0908 U
Methyl Isobutyl Ketone	3100	0.226 U	0.794 U	0.0819 U
trans-1,3-Dichloropropene	0.71	0.0908 U	0.0908 U	0.0908 U

Table 3h
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

LIBRARY ROOM 100

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0028 CBES-CS4 Office CS Indoor Air $\mu\text{g}/\text{m}^3$	262-0011 CBES-IA3 Office / Workroom Indoor Air $\mu\text{g}/\text{m}^3$	262-0012 CBES-IA4 Library Rm 100 Indoor Air $\mu\text{g}/\text{m}^3$
1,1,2-Trichloroethane	0.18	0.109 U	0.109 U	0.109 U
Toluene	5200	0.738	2.19	3.17
2-Hexanone	31	0.0819 U	0.0819 U	0.0819 U
Dibromochloromethane	0.10	0.170 U	0.170 U	0.170 U
1,2-Dibromoethane	0.0047	0.154 U	0.154 U	0.154 U
Tetrachloroethene	11	0.360	0.350	0.288
Chlorobenzene	52	0.0921 U	0.0921 U	0.0921 U
Ethylbenzene	1.1	0.175	0.181	0.166
m&p-Xylene	200	0.637	0.540	0.538
Bromoform	2.6	0.207 U	0.207 U	0.207 U
Styrene	1000	0.0852 U	0.214 U	0.102 U
1,1,2,2-Tetrachloroethane	0.048	0.137 U	0.137 U	0.137 U
o-Xylene	100	0.264	0.253	0.240
p-Ethyltoluene	NS	0.0983 U	0.0983 U	0.0983 U
1,3,5-Trimethylbenzene	NS	0.0983 U	0.0983 U	0.0983 U
1,2,4-Trimethylbenzene	7.3	0.102 U	0.225 U	0.279 U
1,3-Dichlorobenzene	NS	0.120 U	0.120 U	0.120 U
1,4-Dichlorobenzene	0.26	0.120 U	0.120 U	0.120 U
1,2-Dichlorobenzene	210	0.120 U	0.120 U	0.120 U
Naphthalene	0.083	0.105 U	0.149 U	0.157 U

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

Table 3i
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

FACULTY ROOM 103

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0015 CBES-IA7 Faculty Rm 103 Indoor Air $\mu\text{g}/\text{m}^3$	262-0035 CBES-IA7 Faculty Rm 103 Collocated Indoor Air $\mu\text{g}/\text{m}^3$
Propylene	3100	1.89	1.92
Dichlorodifluoromethane	100	2.75	1.87
Chloromethane	94	1.21	1.41
Dichlorotetrafluoroethane	NS	0.699 U	0.140 U
Vinyl Chloride	0.17	0.256 U	0.0511 U
1,3-Butadiene	0.094	0.221 U	0.0442 U
Bromomethane	5.2	0.388 U	0.0777 U
Chloroethane	10000	0.264 U	0.0528 U
Acetone	32000	14.4	9.99
Trichlorofluoromethane	730	2.30	2.43
Isopropyl Alcohol	210	6.15 U	1.23 U
1,1-Dichloroethene	210	0.396 U	0.0793 U
Methylene Chloride	100	0.468	0.359
Trichlorotrifluoroethane	31000	0.766 U	0.572
trans-1,2-Dichloroethene	NS	0.396 U	0.0894
1,1-Dichloroethane	1.8	0.405 U	0.0809 U
MTBE	11	0.361 U	0.0721 U
Vinyl Acetate	210	0.352	0.0704 U
2-Butanone	5200	0.782	0.648
cis-1,2-Dichloroethene	NS	0.396 U	0.0793 U
Ethyl Acetate	73	2.60	3.02
Hexane	730	0.692	0.564
Chloroform	0.12	0.488 U	0.101
Tetrahydrofuran	2100	0.783	0.155
1,2-Dichloroethane	0.11	0.405 U	0.0809 U
1,1,1-Trichloroethane	5200	0.546 U	0.109 U
Benzene	0.36	0.749	0.749
Carbon Tetrachloride	0.47	0.568 J	0.510
Cyclohexane	6300	0.344 U	0.105
1,2-Dichloropropane	0.28	0.462 U	0.0924 U
1,4-Dioxane	0.56	0.360 U	0.0721 U
Trichloroethene	0.48	0.162 J	0.137
Heptane	NS	0.410 U	0.450
cis-1,3-Dichloropropene	0.71	0.454 U	0.0908 U
Methyl Isobutyl Ketone	3100	0.410 U	0.0819 U
trans-1,3-Dichloropropene	0.71	0.454 U	0.0908 U
1,1,2-Trichloroethane	0.18	0.546 U	0.109 U

Table 3i
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

FACULTY ROOM 103

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0015 CBES-IA7 Faculty Rm 103 Indoor Air $\mu\text{g}/\text{m}^3$	262-0035 CBES-IA7 Faculty Rm 103 Collocated Indoor Air $\mu\text{g}/\text{m}^3$
Toluene	5200	1.65	1.50
2-Hexanone	31	0.410 U	0.0819 U
Dibromochloromethane	0.10	0.852 U	0.170 U
1,2-Dibromoethane	0.0047	0.768 U	0.154 U
Tetrachloroethene	11	0.678 U	0.293
Chlorobenzene	52	0.460 U	0.0921 U
Ethylbenzene	1.1	0.434 U	0.156
m&p-Xylene	200	0.446	0.534
Bromoform	2.6	1.03 U	0.207 U
Styrene	1000	0.426 U	0.113 U
1,1,2,2-Tetrachloroethane	0.048	0.687 U	0.137 U
o-Xylene	100	0.434 U	0.219
p-Ethyltoluene	NS	0.492 U	0.0983 U
1,3,5-Trimethylbenzene	NS	0.492 U	0.0983 U
1,2,4-Trimethylbenzene	7.3	0.492 U	0.187 U
1,3-Dichlorobenzene	NS	0.601 U	0.120 U
1,4-Dichlorobenzene	0.26	0.601 U	0.120 U
1,2-Dichlorobenzene	210	0.601 U	0.120 U
Naphthalene	0.083	0.524 U	0.116 U

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

Table 3j
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

GIRL'S BATHROOM

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0029 CBES-CS5 Girls Toilet Wall Panel Indoor Air $\mu\text{g}/\text{m}^3$	262-0013 CBES-IA5 Girls Toilet Indoor Air $\mu\text{g}/\text{m}^3$
Propylene	3100	1.85	1.61
Dichlorodifluoromethane	100	2.81	1.68
Chloromethane	94	1.22	1.23 J
Dichlorotetrafluoroethane	NS	0.699 U	0.140 U
Vinyl Chloride	0.17	0.256 U	0.0511 U
1,3-Butadiene	0.094	0.221 U	0.0442 U
Bromomethane	5.2	0.388 U	0.0777 U
Chloroethane	10000	0.264 U	0.0528 U
Acetone	32000	11.0	5.28 U
Trichlorofluoromethane	730	1.44	1.40
Isopropyl Alcohol	210	15.4	3.49
1,1-Dichloroethene	210	0.396 U	0.0793 U
Methylene Chloride	100	0.347 U	0.323
Trichlorotrifluoroethane	31000	0.766 U	0.584
trans-1,2-Dichloroethene	NS	0.396 U	0.0842
1,1-Dichloroethane	1.8	0.405 U	0.0809 U
MTBE	11	0.361 U	0.0721 U
Vinyl Acetate	210	0.352 U	0.0704 U
2-Butanone	5200	0.783	0.450
cis-1,2-Dichloroethene	NS	0.396 U	0.0793 U
Ethyl Acetate	73	0.360 U	0.0721 U
Hexane	730	0.383	0.378
Chloroform	0.12	0.488 U	0.107
Tetrahydrofuran	2100	0.295 U	0.0590 U
1,2-Dichloroethane	0.11	0.405 U	0.0977
1,1,1-Trichloroethane	5200	0.546 U	0.109 U
Benzene	0.36	0.714	0.653
Carbon Tetrachloride	0.47	0.561 J	0.520
Cyclohexane	6300	0.344 U	0.0880
1,2-Dichloropropane	0.28	0.462 U	0.0924 U
1,4-Dioxane	0.56	0.360 U	0.0721 U
Trichloroethene	0.48	0.313 J	0.107 U
Heptane	NS	0.605	0.631
cis-1,3-Dichloropropene	0.71	0.454 U	0.0908 U
Methyl Isobutyl Ketone	3100	0.410 U	0.546 U
trans-1,3-Dichloropropene	0.71	0.454 U	0.0908 U
1,1,2-Trichloroethane	0.18	0.546 U	0.109 U

Table 3j
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

GIRL'S BATHROOM

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0029 CBES-CS5 Girls Toilet Wall Panel Indoor Air $\mu\text{g}/\text{m}^3$	262-0013 CBES-IA5 Girls Toilet Indoor Air $\mu\text{g}/\text{m}^3$
Toluene	5200	1.21	1.30
2-Hexanone	31	0.410 U	0.0819 U
Dibromochloromethane	0.10	0.852 U	0.170 U
1,2-Dibromoethane	0.0047	0.768 U	0.154 U
Tetrachloroethene	11	0.678 U	0.311
Chlorobenzene	52	0.460 U	0.0921 U
Ethylbenzene	1.1	0.434 U	0.131
m&p-Xylene	200	0.434 U	0.447
Bromoform	2.6	1.03 U	0.207 U
Styrene	1000	0.426 U	0.0852 U
1,1,2,2-Tetrachloroethane	0.048	0.687 U	0.137 U
o-Xylene	100	0.434 U	0.188
p-Ethyltoluene	NS	0.492 U	0.0983 U
1,3,5-Trimethylbenzene	NS	0.492 U	0.0983 U
1,2,4-Trimethylbenzene	7.3	0.492 U	0.155 U
1,3-Dichlorobenzene	NS	0.601 U	0.120 U
1,4-Dichlorobenzene	0.26	0.601 U	0.120 U
1,2-Dichlorobenzene	210	0.601 U	0.120 U
Naphthalene	0.083	0.524 U	0.105 U

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

Table 3k
SUMMA Canister Sample Results in µg/m³
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

ADDITIONAL LOCATIONS

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air µg/m ³	262-0014 CBES-IA6 Classroom Rm 101 Indoor Air µg/m ³	262-0016 CBES-IA8 Nurse Rm 107 Indoor Air µg/m ³	262-0017 CBES-IA9 Corridor/ Across Rm 107 Indoor Air µg/m ³	262-0018 CBES-IA10 Multipurpose Rm 111 Indoor Air µg/m ³	262-0036 CBES-TB Blank Indoor Air µg/m ³	262-0037 CBES-IA17 Principal Rm 105 Indoor Air µg/m ³
Propylene	3100	1.72 U	1.68	1.73	1.29	0.344 U	2.20
Dichlorodifluoromethane	100	2.36	1.51	1.72	2.18	0.0989 U	1.56
Chloromethane	94	1.19	1.38 J	1.35 J	1.75 J	0.0413 U	1.19
Dichlorotetrafluoroethane	NS	0.699 U	0.140 U	0.140 U	0.143	0.140 U	0.140 U
Vinyl Chloride	0.17	0.256 U	0.0511 U	0.0511 U	0.0511 U	0.0511 U	0.0511 U
1,3-Butadiene	0.094	0.221 U	0.0442 U	0.0442 U	0.0442 U	0.0442 U	0.0442 U
Bromomethane	5.2	0.388 U	0.0777 U	0.0777 U	0.0777 U	0.0777 U	0.0777 U
Chloroethane	10000	0.264 U	0.0528 U	0.0528 U	0.0528 U	0.0528 U	0.0528 U
Acetone	32000	7.80	5.58 U	3.29 U	6.19	1.21	17.8
Trichlorofluoromethane	730	1.19	1.42	1.43	1.69	0.112 U	1.40
Isopropyl Alcohol	210	6.15 U	1.23 U	1.23 U	1.23 U	1.23 U	1.30
1,1-Dichloroethene	210	0.396 U	0.0793 U	0.0793 U	0.0793 U	0.0793 U	0.0793 U
Methylene Chloride	100	0.347 U	0.330	0.339	0.428	0.0695 U	0.331
Trichlorotrifluoroethane	31000	0.766 U	0.557	0.630	0.717	0.153 U	0.496
trans-1,2-Dichloroethene	NS	0.396 U	0.105	0.0809	0.0793 U	0.0793 U	0.0793 U
1,1-Dichloroethane	1.8	0.405 U	0.0809 U	0.0809 U	0.0809 U	0.0809 U	0.0809 U
MTBE	11	0.361 U	0.0721 U	0.0721 U	0.0721 U	0.0721 U	0.0721 U
Vinyl Acetate	210	0.352 U	0.0704 U	0.0704 U	0.0704 U	0.0704 U	0.0704 U
2-Butanone	5200	0.295 U	0.318	0.156	0.437	0.0590 U	0.942
cis-1,2-Dichloroethene	NS	0.396 U	0.0793 U	0.0793 U	0.0793 U	0.0793 U	0.0793 U
Ethyl Acetate	73	0.360 U	0.0721 U	0.0721 U	0.0833	0.0721 U	0.0721 U
Hexane	730	0.352 U	0.628	0.450	0.372	0.0705 U	0.958
Chloroform	0.12	0.488 U	0.105	0.109	0.188	0.0977 U	0.115
Tetrahydrofuran	2100	0.295 U	0.243	0.0788	0.213	0.0590 U	0.173
1,2-Dichloroethane	0.11	0.405 U	0.374	0.0809 U	0.0809 U	0.0809 U	0.214
1,1,1-Trichloroethane	5200	0.546 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
Benzene	0.36	0.591	0.722	0.687	0.683	0.0639 U	0.631
Carbon Tetrachloride	0.47	0.495 J	0.527	0.542	0.683	0.126 U	0.487
Cyclohexane	6300	0.344 U	0.170	0.0857	0.0688 U	0.0688 U	1.15
1,2-Dichloropropane	0.28	0.462 U	0.0924 U	0.0924 U	0.0924 U	0.0924 U	0.0924 U
1,4-Dioxane	0.56	0.360 U	0.0721 U	0.0721 U	0.0721 U	0.0721 U	0.0721 U
Trichloroethene	0.48	0.537 U	0.177	0.816	0.107 U	0.107 U	0.205
Heptane	NS	0.410 U	0.751	0.413	0.186	0.0820 U	3.21
cis-1,3-Dichloropropene	0.71	0.454 U	0.0908 U	0.0908 U	0.0908 U	0.0908 U	0.0908 U
Methyl Isobutyl Ketone	3100	0.410 U	0.182 U	0.0819 U	0.0819 U	0.238	1.52
trans-1,3-Dichloropropene	0.71	0.454 U	0.0908 U	0.0908 U	0.0908 U	0.0908 U	0.0908 U
1,1,2-Trichloroethane	0.18	0.546 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U

Table 3k
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

ADDITIONAL LOCATIONS

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0014 CBES-IA6 Classroom Rm 101 Indoor Air $\mu\text{g}/\text{m}^3$	262-0016 CBES-IA8 Nurse Rm 107 Indoor Air $\mu\text{g}/\text{m}^3$	262-0017 CBES-IA9 Corridor/ Across Rm 107 Indoor Air $\mu\text{g}/\text{m}^3$	262-0018 CBES-IA10 Multipurpose Rm 111 Indoor Air $\mu\text{g}/\text{m}^3$	262-0036 CBES-TB Blank Indoor Air $\mu\text{g}/\text{m}^3$	262-0037 CBES-IA17 Principal Rm 105 Indoor Air $\mu\text{g}/\text{m}^3$
Toluene	5200	0.751	1.81	1.37	0.921	0.0754 U	2.09
2-Hexanone	31	0.410 U	0.0819 U	0.0819 U	0.0819 U	0.254 J	0.181 U
Dibromochloromethane	0.10	0.852 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U
1,2-Dibromoethane	0.0047	0.768 U	0.154 U	0.154 U	0.154 U	0.154 U	0.154 U
Tetrachloroethene	11	0.678 U	0.593	0.320	0.149	0.136 U	0.379
Chlorobenzene	52	0.460 U	0.0921 U	0.0921 U	0.0921 U	0.0921 U	0.0921 U
Ethylbenzene	1.1	0.434 U	0.146	0.139	0.108	0.0868 U	0.221
m&p-Xylene	200	0.434 U	0.481	0.448	0.341	0.0868 U	0.789
Bromoform	2.6	1.03 U	0.207 U	0.207 U	0.207 U	0.207 U	0.207 U
Styrene	1000	0.426 U	0.138 U	0.0852 U	0.0852 U	0.0857	0.255 U
1,1,2,2-Tetrachloroethane	0.048	0.687 U	0.137 U	0.137 U	0.137 U	0.208	0.137 U
o-Xylene	100	0.434 U	0.223	0.194	0.152	0.0868 U	0.305
p-Ethyltoluene	NS	0.492 U	0.0983 U	0.0983 U	0.0983 U	0.0983 U	0.0983 U
1,3,5-Trimethylbenzene	NS	0.492 U	0.0983 U	0.0983 U	0.0983 U	0.0983 U	0.0983 U
1,2,4-Trimethylbenzene	7.3	0.492 U	0.176 U	0.161 U	0.131 U	0.119	0.259 U
1,3-Dichlorobenzene	NS	0.601 U	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U
1,4-Dichlorobenzene	0.26	0.601 U	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U
1,2-Dichlorobenzene	210	0.601 U	0.120 U	0.120 U	0.120 U	0.157	0.120 U
Naphthalene	0.083	0.524 U	0.108 U	0.105 U	0.105 U	0.153 J	0.244 U

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Bold = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

Table 31
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

AMBIENT/SCHOOL GROUNDS

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0030 CBES-AA1 Bldg A South Ambient Air $\mu\text{g}/\text{m}^3$	262-0031 CBES-AA1 Bldg A South Ambient Air $\mu\text{g}/\text{m}^3$	262-0032 CBES-AA2 Bldg B North Ambient Air $\mu\text{g}/\text{m}^3$	262-0033 CBES-AA2 Bldg B North Ambient Air $\mu\text{g}/\text{m}^3$
Propylene	3100	1.62	1.57	1.62	1.70
Dichlorodifluoromethane	100	1.57	1.41	1.42	1.55
Chloromethane	94	1.45	1.39	1.39	1.44
Dichlorotetrafluoroethane	NS	0.140 U	0.140 U	0.140 U	0.140 U
Vinyl Chloride	0.17	0.0511 U	0.0511 U	0.0511 U	0.0511 U
1,3-Butadiene	0.094	0.0442 U	0.0442 U	0.0442 U	0.0442 U
Bromomethane	5.2	0.0777 U	0.0777 U	0.0777 U	0.0777 U
Chloroethane	10000	0.0528 U	0.0528 U	0.0528 U	0.0528 U
Acetone	32000	7.36	6.50	6.00 U	6.56
Trichlorofluoromethane	730	1.65	1.60	1.31	1.43
Isopropyl Alcohol	210	0.589	0.197	1.23 U	0.121
1,1-Dichloroethene	210	0.0793 U	0.0793 U	0.0793 U	0.0793 U
Methylene Chloride	100	0.330	0.320	0.321	0.351
Trichlorotrifluoroethane	31000	0.520	0.534	0.509	0.542
trans-1,2-Dichloroethene	NS	0.0793 U	0.0793 U	0.0793 U	0.0793 U
1,1-Dichloroethane	1.8	0.0809 U	0.0809 U	0.0809 U	0.0809 U
MTBE	11	0.0721 U	0.0721 U	0.0721 U	0.0721 U
Vinyl Acetate	210	0.0704 U	0.0704 U	0.0704 U	0.0704 U
2-Butanone	5200	0.615	0.567	0.513	0.494
cis-1,2-Dichloroethene	NS	0.0793 U	0.0793 U	0.0793 U	0.0793 U
Ethyl Acetate	73	0.0721 U	0.0721 U	0.0721 U	0.0721 U
Hexane	730	0.445	0.354	0.423	0.448
Chloroform	0.12	0.0977 U	0.0977 U	0.0977 U	0.0977 U
Tetrahydrofuran	2100	0.363	0.0590 U	0.272	0.233
1,2-Dichloroethane	0.11	0.0809 U	0.0809 U	0.0809 U	0.0809 U
1,1,1-Trichloroethane	5200	0.109 U	0.109 U	0.109 U	0.109 U
Benzene	0.36	0.755	0.730	0.736	0.765
Carbon Tetrachloride	0.47	0.573	0.555	0.571	0.576
Cyclohexane	6300	0.0688 U	0.0688 U	0.0688 U	0.0688 U
1,2-Dichloropropane	0.28	0.0924 U	0.0924 U	0.0924 U	0.0924 U
1,4-Dioxane	0.56	0.0721 U	0.0721 U	0.0721 U	0.0721 U
Trichloroethene	0.48	0.107 U	0.107 U	0.107 U	0.107 U
Heptane	NS	0.287	0.266	0.285	0.274
cis-1,3-Dichloropropene	0.71	0.0908 U	0.0908 U	0.0908 U	0.0908 U
Methyl Isobutyl Ketone	3100	0.0819 U	0.0819 U	0.0819 U	0.0819 U
trans-1,3-Dichloropropene	0.71	0.0908 U	0.0908 U	0.0908 U	0.0908 U
1,1,2-Trichloroethane	0.18	0.109 U	0.109 U	0.109 U	0.109 U

Table 31
SUMMA Canister Sample Results in $\mu\text{g}/\text{m}^3$
Meadowbrook Vapor Intrusion Site
Hatboro, PA
May 2015

AMBIENT/SCHOOL GROUNDS

Sample Number Location Sub-Location Sample Type Result Units	Regional Screening Level Indoor Air $\mu\text{g}/\text{m}^3$	262-0030 CBES-AA1 Bldg A South Ambient Air $\mu\text{g}/\text{m}^3$	262-0031 CBES-AA1 Bldg A South Ambient Air $\mu\text{g}/\text{m}^3$	262-0032 CBES-AA2 Bldg B North Ambient Air $\mu\text{g}/\text{m}^3$	262-0033 CBES-AA2 Bldg B North Ambient Air $\mu\text{g}/\text{m}^3$
Toluene	5200	1.62	1.27	1.13	1.20
2-Hexanone	31	0.0819 U	0.0819 U	0.0819 U	0.0819 U
Dibromochloromethane	0.10	0.170 U	0.170 U	0.170 U	0.170 U
1,2-Dibromoethane	0.0047	0.154 U	0.154 U	0.154 U	0.154 U
Tetrachloroethene	11	0.295	0.289	0.245	0.204
Chlorobenzene	52	0.0921 U	0.0921 U	0.0921 U	0.0921 U
Ethylbenzene	1.1	0.143	0.139	0.125	0.126
m&p-Xylene	200	0.501	0.467	0.414	0.450
Bromoform	2.6	0.207 U	0.207 U	0.207 U	0.207 U
Styrene	1000	0.0852 U	0.0852 U	0.0852 U	0.0852 U
1,1,2,2-Tetrachloroethane	0.048	0.137 U	0.137 U	0.137 U	0.137 U
o-Xylene	100	0.215	0.190	0.182	0.189
p-Ethyltoluene	NS	0.0983 U	0.0983 U	0.0983 U	0.0983 U
1,3,5-Trimethylbenzene	NS	0.0983 U	0.0983 U	0.0983 U	0.0983 U
1,2,4-Trimethylbenzene	7.3	0.165 U	0.146 U	0.134 U	0.147 U
1,3-Dichlorobenzene	NS	0.120 U	0.120 U	0.120 U	0.120 U
1,4-Dichlorobenzene	0.26	0.120 U	0.120 U	0.120 U	0.120 U
1,2-Dichlorobenzene	210	0.120 U	0.120 U	0.120 U	0.120 U
Naphthalene	0.083	0.301 U	0.239 U	0.286 U	0.193 U

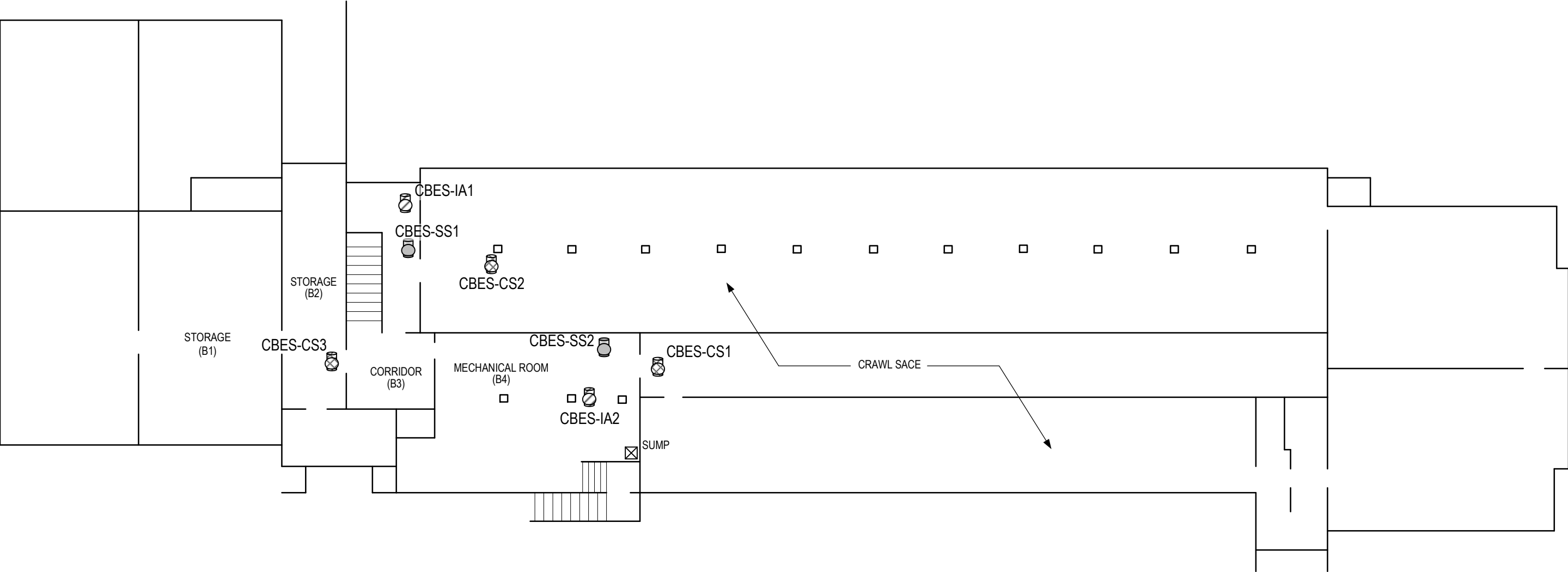
$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

U = Compound not detected at concentration indicated

J = Compound estimated at concentration indicated

Blue = Exceeds RSL - applies to air results only. Sub-slab soil gas results are presented but have not been flagged relative to a screening level.

FIGURES
Meadowbrook Avenue Vapor Intrusion Site
Hatboro, PA
May 2015



Legend




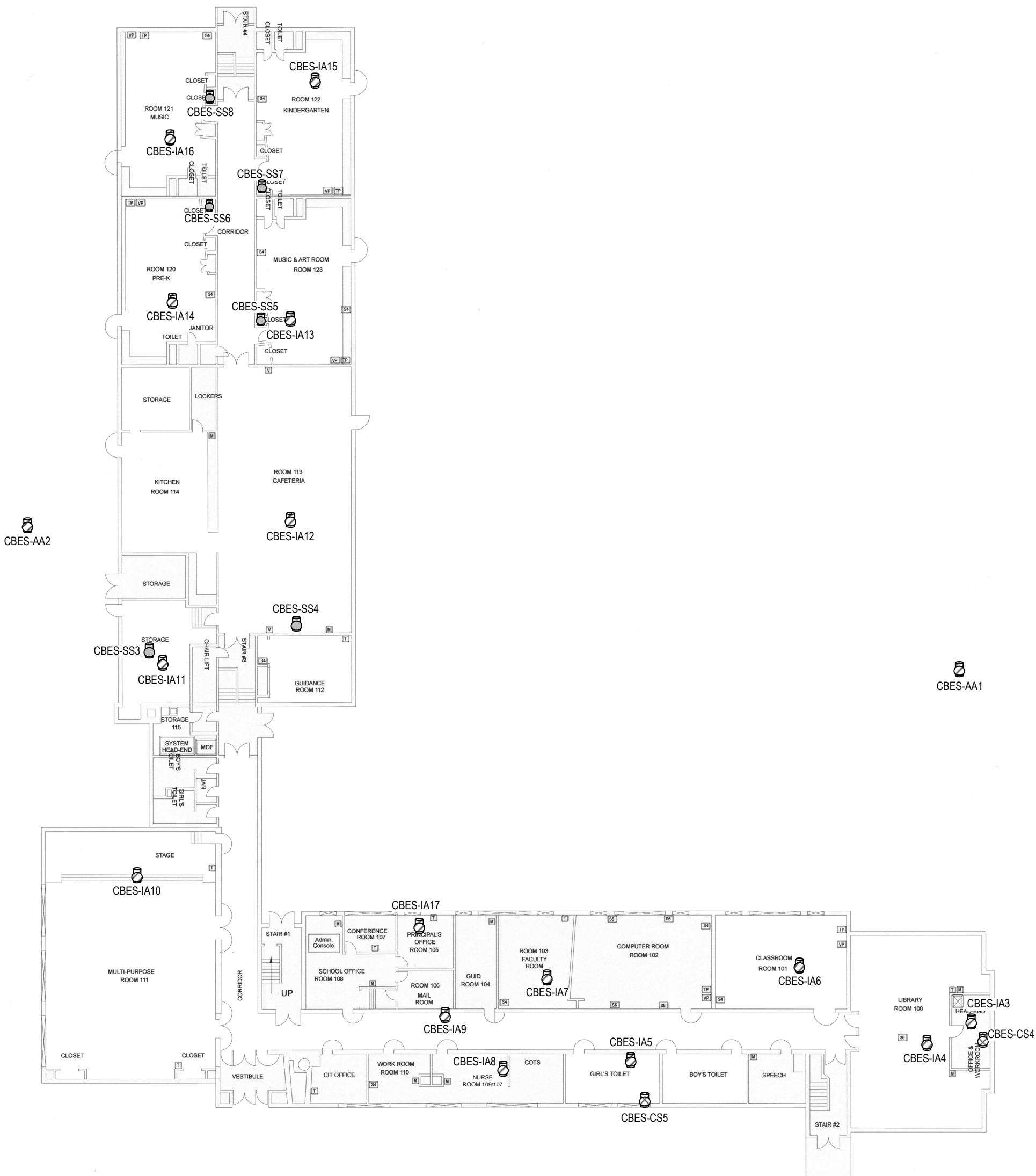
-  Sub-Slab SUMMA
-  Indoor Air SUMMA
-  Crawl space SUMMA

Figure 1
Basement Sub-Slab, Indoor and Crawl Space SUMMA Locations
Meadowbrook Vapor Intrusion Site
Hatboro, Pennsylvania



Legend




-  Sub-Slab SUMMA
-  Indoor Air SUMMA
-  Crawl space SUMMA

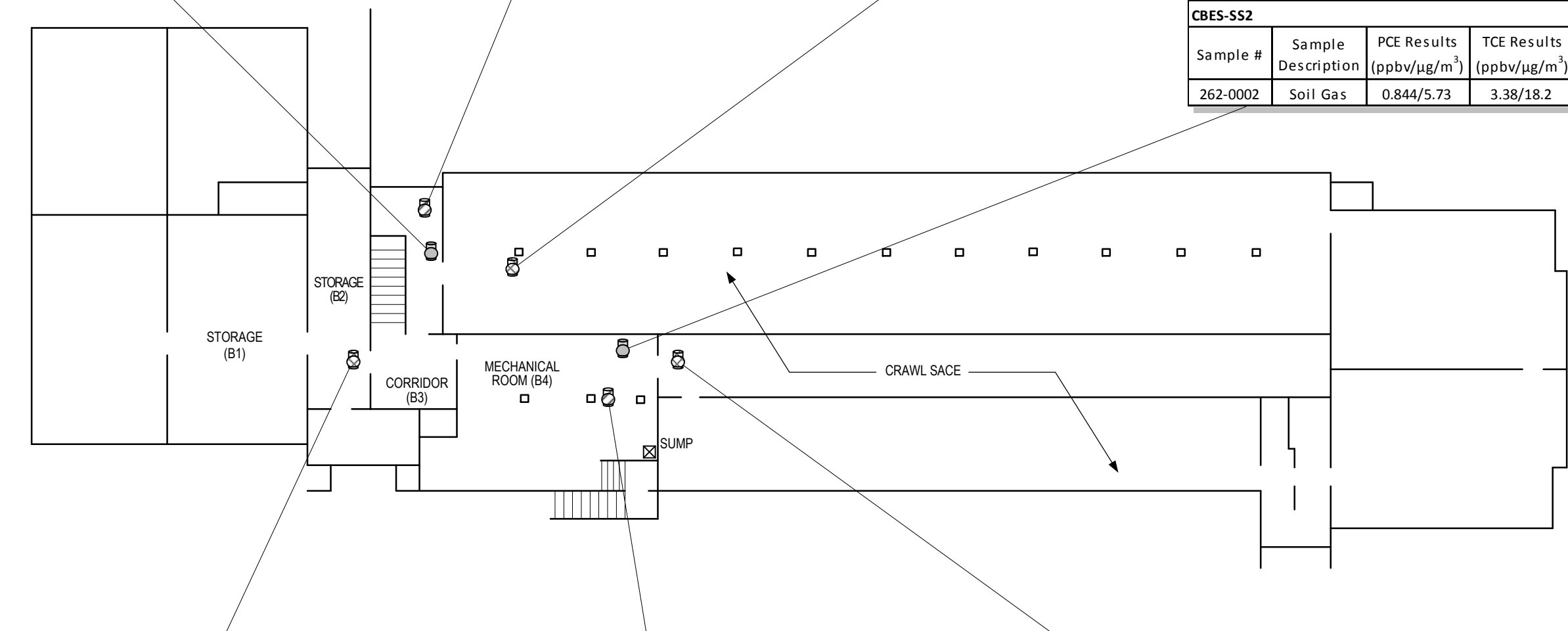
Figure 2
Ground Floor Sub-Slab, Indoor and Crawl Space SUMMA Locations
Meadowbrook Vapor Intrusion Site
Hatboro, Pennsylvania

CBES-SS1			
Sample #	Sample Description	PCE Results (ppbv/μg/m ³)	TCE Results (ppbv/μg/m ³)
262-0001	Soil Gas	2.03/13.8	6.39/34.3

CBES-IA1			
Sample #	Sub Location	PCE Results (ppbv/μg/m ³)	TCE Results (ppbv/μg/m ³)
262-0009	Indoor Air	ND	0.0572J/0.307J

CBES-CS2			
Sample #	Sample Description	PCE Results (ppbv/μg/m ³)	TCE Results (ppbv/μg/m ³)
262-0026	Crawl space Air	0.0799/0.542	0.0429/0.231

CBES-SS2			
Sample #	Sample Description	PCE Results (ppbv/μg/m ³)	TCE Results (ppbv/μg/m ³)
262-0002	Soil Gas	0.844/5.73	3.38/18.2



CBES-CS3			
Sample #	Sample Description	PCE Results (ppbv/μg/m3)	TCE Results (ppbv/μg/m3)
262-0027	Crawl space Air	ND	0.0456J/0.245J

CBES-IA2			
Sample #	Sub Location	PCE Results (ppbv/μg/m3)	TCE Results (ppbv/μg/m3)
262-0010	Indoor Air	ND	ND
262-0034	Indoor Air	0.0428/0.291	0.0254/0.137

CBES-CS1			
Sample #	Sample Description	PCE Results (ppbv/μg/m3)	TCE Results (ppbv/μg/m3)
262-0025	Crawl space Air	0.0701/0.475	0.0336/0.181

- Legend**
- ppbv parts per billion by volume
 - μg/m3 micrograms per cubic meter
 - PCE Tetrachloroethene
 - TCE Trichloroethene
 - Sub-Slab SUMMA
 - Indoor Air SUMMA
 - Crawl space SUMMA

Figure 3
Basement Sub-Slab, Indoor and Crawl Space SUMMA Results
Meadowbrook Vapor Intrusion Site
Hatboro, Pennsylvania

CBES-IA16			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0024	Indoor Air	0.0416/0.282	0.0229/0.123

CBES-SS8			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0008	Soil Gas	0.932/6.32	0.104/0.558

CBES-IA15			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0023	Indoor Air	0.0464/0.315	0.0218/0.117

CBES-SS6			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0006	Soil Gas	24.0/163	4.75/25.5

CBES-SS7			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0007	Soil Gas	1.60/10.9	ND

CBES-IA14			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0022	Indoor Air	0.0795/0.539	0.0319/0.172

CBES-SS5			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0005	Soil Gas	0.143/0.972	ND

CBES-IA13			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0021	Indoor Air	0.0402/0.272	0.0215/0.115

CBES-SS3			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0003	Soil Gas	1.16/7.87	ND

CBES-AA2			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0032	Ambient Air	0.0361/0.245	ND
262-0033	Ambient Air	0.0301/0.204	ND

CBES-IA12			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0020	Indoor Air	0.0453/0.307	0.0243/0.130

CBES-IA11			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0019	Indoor Air	0.0465/0.315	0.0257/0.138

CBES-AA1			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0030	Ambient Air	0.0434/0.295	ND
262-0031	Ambient Air	0.0426/0.289	ND

CBES-SS4			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0004	Soil Gas	0.295/2.00	0.0838/0.450

CBES-IA3			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0011	Indoor Air	0.0515/0.350	0.0379/0.204

CBES-IA4			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0012	Indoor Air	0.0425/0.288	0.0230/0.124

CBES-IA7			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0015	Indoor Air	ND	0.0302J/0.162J
262-0035	Indoor Air	0.0432/0.293	0.0256/0.137

CBES-CS4			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0028	Crawlspace Air	0.0531/0.360	0.0344/0.185

CBES-IA17			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0037	Indoor Air	0.0559/0.379	0.0382/0.205

CBES-IA9			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0017	Indoor Air	0.0471/0.320	0.152/0.816

CBES-IA8			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0016	Indoor Air	0.0875/0.593	0.0329/0.177

CBES-IA5			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0013	Indoor Air	0.0459/0.311	ND

CBES-CS5			
Sample #	Sample Description	PCE Results (ppbv /µg/m3)	TCE Results (ppbv /µg/m3)
262-0029	Crawlspace Air	ND	0.0582J/0.313J

Legend




- ppbv
- µg/m3
- PCE
- TCE
- 
- 
- 
- parts per billion by volume
- micrograms per cubic meter
- Tetrachloroethene
- Trichloroethene
- Sub-Slab SUMMA
- Indoor Air SUMMA
- Crawl space SUMMA

Figure 4
Ground Floor Sub-Slab, Indoor and Crawl Space SUMMA Results
Meadowbrook Vapor Intrusion Site
Hatboro, Pennsylvania

APPENDIX A
SUMMA[®] Sampling Field Documentation
Meadowbrook Avenue Vapor Intrusion Site
Hatboro, PA
May 2015



EPA/Environmental Response Team
Scientific, Engineering, Response and Analytical Services
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031



SUMMA Sampling Work Sheet

Site: Meadowbrook

WA# 262

Sampler: CG/DA

U.S. EPA/ERT WAM: Hoppe

Date Start: 3/14/15 Date Stop: 3/15/15

SERAS Task Leader: Grell

Sample #	Location	Sub-Location	Matrix	Summa #	Orifice ID	Analysis/ Method	Start Pressure	Flow Rate (Start)	Time/(Start)	Time/(Stop)	End Pressure
262-0007	CBES-SS7	Kindergarten Rm 122	SG	97	13993	TO-15	-30	3.6	0851	0829	-7
262-0023	CBES-IA15	Kindergarten Rm 122	IA	145	14032		-30	3.4	0853	0829	-9
262-0008	CBES-SS8	Music Rm 121	SG	163	14028		-30	3.4	0858	0835	-7
262-0024	CBES-IA16	Music Rm 121	IA	157	13962		-30	3.3	0900	0835	-7
262-0006	CBES-SS6	Pre-K Rm 120	SG	135	13923		-30	3.4	0904	0839	-8
262-0022	CBES-IA14	PRE-K Rm 120	IA	144	13906		-30	3.4	0905	0839	-7
262-0005	CBES-SS5	Music/Art Rm 123	SG	13741	13767		-30	3.4	0909	0843	-5.5
262-0021	CBES-IA14	Music/Art Rm 123	IA	71	13769		-30	3.4	0909	0843	-4
262-0004	CBES-SS4	Cafeteria Rm 113	SG	36	13922		-30	3.4	0914	0847	-6
262-0020	CBES-IA12	Cafeteria Rm 113	IA	196	13792		-30	3.4	0915	0847	-6

MET Station on Site?: Y/N

Flow meter: 8329

NIST Gauge#: CP150529

NIST Gauge#: CP150107

SG = soil gas
 IA = indoor air

MultirAE VOC readings 0 at each location



EPA/Environmental Response Team
Scientific, Engineering, Response and Analytical Services
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Page 2 of 4



SUMMA Sampling Work Sheet

Site: Meadowbrook Ave

Sampler: CG/DA

Date Start: 3/14/15

Date Stop: 3/15/15

WA# 262

U.S. EPA/ERT WAM: Hoppe

SERAS Task Leader: Grell

Sample #	Location	Sub-Location	Matrix	Summa #	Orifice ID	Analysis/ Method	Start Pressure	Flow Rate (Start)	Time/(Start)	Time/(Stop)	End Pressure
262-0003	CBES-SS3	Storage	SG	14238	14020	T0-15	-30	3.4	0920	0852	-5.5
262-0019	CBES-IA11	Storage	IA	14403	14027		-30	3.4	0920	0852	-7
262-0002	CBES-SS2	Mech Room	SG	150	14005		-30	3.4	0928	0901	-7
262-0010	CBES-IA2	Mech Room	IA	280	14049		-30	3.4	0933	0901	-8
262-0025	CBES-CS1	Basement CS	CS	137	13992		-30	3.4	0931	0901	-7
262-0034	CBES-IA2	Mech Rm Dup	IA	13	13762		-30	3.4	0933	0901	-3
262-0027	CBES-CS3	Basement CS ³ (B2)	CS	238	14041		-30	3.4	0939	0908	-6
262-0026	CBES-CS2	Basement CS ²	CS	127	13953		-30	3.4	0944	0910	-6
262-0001	CBES-SS1	Basement Stair	SG	14242	13988		-30	3.2	0944	0910	-8
262-0009	CBES-IA1	Basement Stair	IA	13756	13785		-30	3.4	0944	0910	-6
MET Station on Site?: Y/N			Flow meter: 8329			NIST Gauge#:	CP50529		NIST Gauge#: CP150107		

MultiRAE readings 0 at each location



EPA/Environmental Response Team
Scientific, Engineering, Response and Analytical Services
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Page 3 of 4



SUMMA Sampling Work Sheet

Site: Meadowbrook Ave

Sampler: CG/DA

Date Start: 3/4/15

Date Stop: 3/15/15

WA# 262

U.S. EPA/ERT WAM: Hoppe

SERAS Task Leader: Grell

Sample #	Location	Sub-Location	Matrix	Summa #	Orifice ID	Analysis/ Method	Start Pressure	Flow Rate (Start)	Time/(Start)	Time/(Stop)	End Pressure
262-0028	CBES-CS4	Office CS W	CS	70	13990	TO-15	-30	3.4	0958	0917	-6
262-0011	CBES-IA3	office/Workrm	IA	14396	14036	↓	-30	3.4	1000	0917	-7
262-0012	CBES-IA4	Library Rm 100	IA	175	13949		-30	3.4	1001	0918	-11
262-0014	CBES-IA6	Classroom Rm 101	IA	55	13941		-30	3.4	1004	0920	-7
262-0029	CBES-CS5	Girls Toilet Wall Panel	CS	235	13951		-30	3.4	1010	0923	-8.5
262-0013	CBES-IA5	Girls Toilet	IA	279	14009		-30	3.4	1010	0923	-7
262-0015	CBES-IA7	Faculty Rm 103	IA	270	14019		-30	3.4	1015	0927	-12
262-0035	CBES-IA7	Faculty Rm 103 Dup	IA	13735	13940		-30	3.4	1015	0927	-7.5
262-0017	CBES-IA9	Corridor Rm 107	IA	14221	13943	↓	-30	3.4	1018	0929	-4
262-0016	CBES-IA8	Nurse Rm 107	IA	14233	14042		-30	3.4	1020	0930	-14

MET Station on Site?: Y/(N)

Flow meter: 8329

NIST Gauge#: CP50529

NIST Gauge#: CP150107

* Book Fair in Library, Rm 100 - new books, vinyl tablecloths
MultiRAE readings 0 in all locations



EPA/Environmental Response Team
Scientific, Engineering, Response and Analytical Services
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Page 4 of 4



SUMMA Sampling Work Sheet

Site: Meadowbrook Ave

WA# 262

Sampler: CG/DA

U.S. EPA/ERT WAM: Hoppe

Date Start: 3/14/15 Date Stop: _____

SERAS Task Leader: Grell

Sample #	Location	Sub-Location	Matrix	Summa #	Orifice ID	Analysis/ Method	Start Pressure	Flow Rate (Start)	Time/(Start)	Time/(Stop)	End Pressure
262-0037	CBES-1A17 Principal Rm 105	Principal Rm 105	1A	14254	14029	T0-15	-30	3.4	1024	0933	-10
262-0018	CBES-1A10	Multipurpose Rm 111	1A	14245	13765	↓	-30	3.4	1027	0935	-7
262-0036	CBES-TB	Blank	TB	239	—		-30	—	1030	—	—
262-0030	CBES-AA1	Bldg A S	AA	62	13957		-30	3.4	1051	0948	-4.5
262-0031	CBES-AA1	Bldg A S-Dup	AA	148	13942		-30	3.4	1051	0948	-5.5
262-0032	CBES-AA2	Bldg B N	AA	54	13928		-30	3.4	1100	0954	-6.5
262-0033	CBES-AA2	Bldg B ^N Dup	AA	189	13793		-30	3.4	1100	0954	-7

MET Station on Site?: Y/N

Flow meter: 8329

NIST Gauge#: CP150529

NIST Gauge#: CP150107

Multi RAE readings 0 at each location

APPENDIX B
Final Analytical Report
Meadowbrook Avenue Vapor Intrusion Site
Hatboro, PA
May 2015

ANALYTICAL REPORT

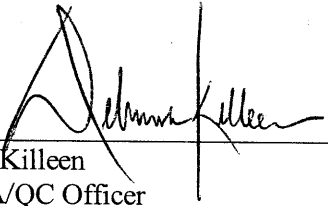
Prepared by
LOCKHEED MARTIN

Meadowbrook Avenue Site
Hatboro, PA

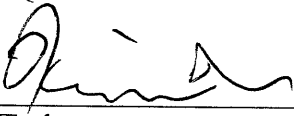
April 2015

EPA Work Assignment No. SERAS-262
LOCKHEED MARTIN Work Order No. SER00262
EPA Contract No. EP-W-09-031

Submitted to
M. Hoppe
EPA/ERT
2890 Woodbridge Avenue
Edison, NJ 08837


D. Killeen
QA/QC Officer
5/7/15
Date

Analysis by:
ERT/SERAS Laboratory


K. Taylor
Program Manager
5/7/15
Date

Prepared by:/Reviewed by:
J. Soroka/ A. LoSurdo



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Detailed Sample Information
Introduction
Case Narrative
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Section III

Chains of Custody

Appendices

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Appendix A will be furnished on request.





TESTING LABORATORIES INFORMATION

Analysis of Volatile Organic Compounds in Air by SERAS Method #1814 “*Analysis of Volatile Organic Compounds (VOCs) in SUMMA Canister Air Samples by Gas Chromatography/Mass Spectrometry (GC/MS)*”

ERT/SERAS Laboratory
2890 Woodbridge Avenue
Edison, NJ 08837

All analyses were performed according to our NELAP-approved quality assurance program. The test results meet the requirements of the current NELAP standards, where applicable, except as noted in the laboratory case narrative provided. Results are intended to be considered in their entirety and apply only to those analyzed and reported herein.

ERT/SERAS Laboratory is certified by the New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID # 12023 for VOC analysis in air.

REPORT OF LABORATORY ANALYSIS

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Detailed Sample Information

<u>Laboratory Sample #</u>	<u>Field Sample #</u>
R503003-01	262-0001
R503003-02	262-0002
R503003-03	262-0003
R503003-04	262-0004
R503003-05	262-0005
R503003-06	262-0006
R503003-07	262-0007
R503003-08	262-0008
R503003-09	262-0009
R503003-10	262-0010
R503003-11	262-0011
R503003-12	262-0012
R503003-13	262-0013
R503003-14	262-0014
R503003-15	262-0015
R503003-16	262-0016
R503003-17	262-0017
R503003-18	262-0018
R503003-19	262-0019
R503003-20	262-0020
R503003-21	262-0021
R503003-22	262-0022
R503003-23	262-0023
R503003-24	262-0024
R503003-25	262-0025
R503003-26	262-0026
R503003-27	262-0027
R503003-28	262-0028
R503003-29	262-0029
R503003-30	262-0030
R503003-31	262-0031
R503003-32	262-0032
R503003-33	262-0033
R503003-34	262-0034
R503003-35	262-0035
R503003-36	262-0036
R503003-37	262-0037

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Introduction

SERAS personnel, in response to WA# SERAS-262, provided analytical support for environmental samples collected from the Meadowbrook Avenue Site in Hatboro, PA as described in the following table. The support also included QA/QC, data review and preparation of an analytical report containing analytical and QA/QC results.

The samples analyzed at SERAS were treated with procedures consistent with those specified in SERAS SOP #1000, *Sample Receiving, Handling and Storage*.

Chain of Custody #	Number of Samples	Sampling Date	Date Received	Date Analyzed	Matrix	Analysis/ Method	Laboratory	Data Package
03-031615-104935-0001	19	03/15/15	03/16/15	03/17-22/15	Indoor Air	VOC/SERAS SOP# 1814	ERT/SERAS	AA031
	1				Blank			
	8				Soil Gas			
	5				Crawlspace Air			
	4				Ambient Air			

Case Narrative

Sampling was conducted as per the site-specific Quality Assurance Project Plan (QAPP) and analyzed by the analytical methods as stated in the QAPP. The laboratory reported the data to three significant figures. Any other representation of the data is the responsibility of the user. Data were validated using a Stage 4 validation done manually (S4VM) in accordance with the "Guidance for Labeling Externally Validated Data for Superfund Use." All data validation flags have been inserted into the results tables.

For compounds whose reporting limits (RLs) exceeded the project action limits, the laboratory reported estimated (J) concentrations if the compound concentrations exceeded the method detection limit (MDL) but were less than the RL. It should be noted that these data should be used with caution since the SUMMA canisters are certified to only 0.0200 ppbv. Any concentrations less than this value are reported to alert the end user of their possible presence in the sample.

VOCs in Air Package AA031

The required benchmarks could not be achieved for 1,2-dibromoethane for samples 262-0009 through 262-0037 since the method detection limit (MDL) is greater than the project action limit.

The following samples and analyte concentrations are qualified estimated (J) since the RL exceeded the project action limits: Chloroform for samples 262-0009 and 262-0027; carbon tetrachloride for samples 262-0009, 262-0010, 262-0014, 262-0015, 262-0027 and 262-0029; trichloroethene for 262-0009, 262-0015, 262-0027 and 262-0029; and 1,4-dichlorobenzene for 262-0027. Samples 262-0009, 262-0010, 262-0014, 262-0015, 262-0027 and 262-0029 could not be analyzed using the full 1-liter volume due to their high moisture content.



Trip blank, 262-0036, contained the following analytes with concentrations that exceeded the RLs: acetone, methyl isobutyl ketone (MIBK), 2-hexanone, styrene, 1,1,2,2-tetrachloroethane, 1,2,4-trimethylbenzene, 1,2-dichlorobenzene and naphthalene. Reported results for acetone in samples 262-0013, 262-0016, 262-0017, 262-0025, 262-0026, 262-0028 and 262-0032; methyl isobutyl ketone in samples 262-0001, 262-0004, 262-0007, 262-0011, 262-0013, 262-0016, 262-0019, 262-0022, 262-0023, 262-0025 and 262-0028; 2-hexanone in samples 262-0004, 262-0007 and 262-0037; styrene in samples 262-0001, 262-0011, 262-0012, 262-0016, 262-0019, 262-0021, 262-0022, 262-0035 and 262-0037; 1,2,2-tetrachloroethane in sample 262-0034; 1,2,4-trimethylbenzene in samples 262-0001, 262-0004, 262-0011, 262-0012, 262-0013, 262-0016 through 262-0025, 262-0028, 262-0030 through 262-0035 and 262-0037; and naphthalene in samples 262-0003, 262-0005, 262-0011, 262-0012, 262-0013, 262-0016, 262-0017, 262-0019, 262-0021 through 262-0024, 262-0026, 262-0027 262-0030 through 262-0035 and 262-0037 are qualified non detect (U). The RLs of these samples were raised to the concentrations found in the samples since the sample results were less than five times the trip blank concentration.

For the continuing calibration verification of 3/18/15, chloromethane, 2-hexanone and naphthalene exceeded percent difference (%D) criterion. Reported results for chloromethane in samples 262-0011, 262-0012, 262-0013, 262-0016 through 262-0026; 2-hexanone in sample 262-0036; and naphthalene in samples 262-0025 and 262-0036 are qualified estimated (J).

The area for internal standard bromochloromethane exceeded QC limits for dilution run of sample 262-0002. The reported result for acetone in this sample is qualified estimated (J).

For the replicate analysis of sample 262-0021, 2-butanone and tetrahydrofuran exceeded relative percent difference (RPD) criterion. These compounds are qualified estimated (J) in this sample.

The results presented in this report only relate to the samples analyzed. All results are intended to be considered in their entirety. The Environmental Response Team/Scientific, Engineering, Response and Analytical Services laboratory is not responsible for utilization of less than the complete report.



Summary of Abbreviations

BFB	Bromofluorobenzene
BS	Blank Spike
BSD	Blank Spike Duplicate
°C	Degree Centigrade
COC	Chain of Custody
conc	concentration
ctd	continued
PCDD/PCDF	Polychlorinated dibenzo-p-dioxins (PCDD) and Polychlorinated dibenzofurans (PCDF)
DFTPP	Decafluorotriphenylphosphine
EMPC	Estimated maximum possible concentration
GC/ECD	Gas Chromatography/Electron Capture Detector
GC/MS	Gas Chromatography/ Mass Spectrometry
Hg-CVAA	Mercury-Cold Vapor Atomic Absorption
ICP-AES	Inductively Coupled Plasma- Atomic Emission Spectroscopy
ID	Identification
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDA	Minimum Detectable Activity
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
MW	Molecular Weight
NA	Not Applicable or Not Available
NAD	Normalized Absolute Difference
NC	Not Calculated
NR	Not Requested/Not Reported
% D	Percent Difference
% R	Percent Recovery
SOP	Standard Operating Procedure
PCB	Polychlorinated Biphenyl
PDS	Post Digestion Spike
Percent RSD	Percent Relative Standard Deviation
ppbv	parts per billion by volume
ppm	parts per million
pptv	parts per trillion by volume
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RL	Reporting Limit
RPD	Relative Percent Difference
S4VM	Stage 4 validation done manually
SIM	Selected Ion Monitoring
SERAS	Scientific Engineering Response and Analytical Services
TIC	Tentatively Identified Compound
TCLP	Toxicity Characteristic Leaching Procedure
SVOC	Semi Volatile Organic Compound
VOC	Volatile Organic Compound
*	Value exceeds the acceptable QC limits

m ³	cubic meter	g	gram	kg	kilogram	L	liter
µg	microgram	µL	microliter	mg	milligram	mL	milliliter
ng	nanogram	pg	picogram	pCi	picocurie	σ	sigma

Data Validation Flags

J	Value is estimated	R	Rejected or Value is unusable
J+	Value is estimated high	U	Not detected
J-	Value is estimated low	UJ	Not detected and RL is estimated

Rev. 01/01/15, YRM

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Table 1.1a Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

Page 1 of 12

Method: SERAS SOP 1814

SERAS Sample Number:				R503003-30		R503003-31			
Sample Number		M. Blank 031715-01		P.Sys Blank 031715-02		262-0030		262-0031	
Sample Location		N/A		N/A		CBES-AA1		CBES-AA1	
Sublocation		N/A		N/A		Bldg A South		Bldg A South	
	Results	RL	Results	RL	Results	RL	Results	RL	
Analyte	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	
Propylene	U	0.200	U	0.200	0.940	0.200	0.915	0.200	
Dichlorodifluoromethane	U	0.0200	U	0.0200	0.318	0.0200	0.286	0.0200	
Chloromethane	U	0.0200	U	0.0200	0.701	0.0200	0.673	0.0200	
Dichlorotetrafluoroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Vinyl Chloride	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,3-Butadiene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Bromomethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Chloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Acetone	U	0.500	U	0.500	3.10	0.500	2.74	0.500	
Trichlorofluoromethane	U	0.0200	U	0.0200	0.293	0.0200	0.285	0.0200	
Isopropyl Alcohol	U	0.500	U	0.500	0.239	0.500	0.0803	0.500	
1,1-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Methylene Chloride	U	0.0200	U	0.0200	0.0949	0.0200	0.0922	0.0200	
Trichlorotrifluoroethane	U	0.0200	U	0.0200	0.0678	0.0200	0.0697	0.0200	
trans-1,2-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,1-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
MTBE	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Vinyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
2-Butanone	U	0.0200	U	0.0200	0.208	0.0200	0.192	0.0200	
cis-1,2-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Ethyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Hexane	U	0.0200	U	0.0200	0.126	0.0200	0.100	0.0200	
Chloroform	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Tetrahydrofuran	U	0.0200	U	0.0200	0.123	0.0200	U	0.0200	
1,2-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,1,1-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Benzene	U	0.0200	U	0.0200	0.236	0.0200	0.228	0.0200	
Carbon Tetrachloride	U	0.0200	U	0.0200	0.0911	0.0200	0.0883	0.0200	
Cyclohexane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,2-Dichloropropane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,4-Dioxane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Trichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Heptane	U	0.0200	U	0.0200	0.0702	0.0200	0.0650	0.0200	
cis-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Methyl Isobutyl Ketone	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
trans-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,1,2-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Toluene	U	0.0200	U	0.0200	0.429	0.0200	0.337	0.0200	
2-Hexanone	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Dibromochloromethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,2-Dibromoethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Tetrachloroethene	U	0.0200	U	0.0200	0.0434	0.0200	0.0426	0.0200	
Chlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Ethylbenzene	U	0.0200	U	0.0200	0.0329	0.0200	0.0320	0.0200	
m&p-Xylene	U	0.0200	U	0.0200	0.115	0.0200	0.108	0.0200	
Bromoform	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Styrene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,1,2,2-Tetrachloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
o-Xylene	U	0.0200	U	0.0200	0.0495	0.0200	0.0438	0.0200	
p-Ethyltoluene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,3,5-Trimethylbenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,2,4-Trimethylbenzene	U	0.0200	U	0.0200	U	0.0336	U	0.0297	
1,3-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,4-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
1,2-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200	
Naphthalene	U	0.0200	U	0.0200	U	0.0574	U	0.0457	

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-32		R503003-33		R503003-34		R503003-35	
Sample Number	262-0032		262-0033		262-0034		262-0035	
Sample Location	CBES-AA2		CBES-AA2		CBES-IA2		CBES-IA7	
Sublocation	Bldg B North		Bldg B North		Mech Room		Faculty Rm 103	
	Results	RL	Results	RL	Results	RL	Results	RL
Analyte	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Propylene	0.939	0.200	0.989	0.200	U	0.200	1.12	0.200
Dichlorodifluoromethane	0.287	0.0200	0.313	0.0200	U	0.0200	0.378	0.0200
Chloromethane	0.671	0.0200	0.695	0.0200	0.101	0.0200	0.683	0.0200
Dichlorotetrafluoroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Vinyl Chloride	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,3-Butadiene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Bromomethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Chloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Acetone	U	2.53	2.76	0.500	2.73	0.500	4.21	0.500
Trichlorofluoromethane	0.234	0.0200	0.254	0.0200	0.231	0.0200	0.432	0.0200
Isopropyl Alcohol	U	0.500	0.0492	0.500	0.354	0.500	U	0.500
1,1-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Methylene Chloride	0.0923	0.0200	0.101	0.0200	0.0963	0.0200	0.103	0.0200
Trichlorotrifluoroethane	0.0664	0.0200	0.0708	0.0200	0.0722	0.0200	0.0747	0.0200
trans-1,2-Dichloroethene	U	0.0200	U	0.0200	0.0211	0.0200	0.0225	0.0200
1,1-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
MTBE	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Vinyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.0200
2-Butanone	0.174	0.0200	0.168	0.0200	0.187	0.0200	0.220	0.0200
cis-1,2-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Ethyl Acetate	U	0.0200	U	0.0200	U	0.0200	0.837	0.0200
Hexane	0.120	0.0200	0.127	0.0200	0.102	0.0200	0.160	0.0200
Chloroform	U	0.0200	U	0.0200	0.0221	0.0200	0.0207	0.0200
Tetrahydrofuran	0.0923	0.0200	0.0791	0.0200	0.0976	0.0200	0.0525	0.0200
1,2-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,1,1-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Benzene	0.230	0.0200	0.240	0.0200	0.239	0.0200	0.234	0.0200
Carbon Tetrachloride	0.0908	0.0200	0.0915	0.0200	0.0827	0.0200	0.0811	0.0200
Cyclohexane	U	0.0200	U	0.0200	U	0.0200	0.0305	0.0200
1,2-Dichloropropane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,4-Dioxane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Trichloroethene	U	0.0200	U	0.0200	0.0254	0.0200	0.0256	0.0200
Heptane	0.0695	0.0200	0.0668	0.0200	0.0741	0.0200	0.110	0.0200
cis-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Methyl Isobutyl Ketone	U	0.0200	U	0.0200	U	0.0200	U	0.0200
trans-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,1,2-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Toluene	0.299	0.0200	0.318	0.0200	0.293	0.0200	0.397	0.0200
2-Hexanone	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Dibromochloromethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2-Dibromoethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Tetrachloroethene	0.0361	0.0200	0.0301	0.0200	0.0428	0.0200	0.0432	0.0200
Chlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Ethylbenzene	0.0287	0.0200	0.0290	0.0200	0.0328	0.0200	0.0359	0.0200
m&p-Xylene	0.0954	0.0200	0.104	0.0200	0.102	0.0200	0.123	0.0200
Bromoform	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Styrene	U	0.0200	U	0.0200	U	0.0200	U	0.0266
1,1,2,2-Tetrachloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
o-Xylene	0.0419	0.0200	0.0436	0.0200	0.0412	0.0200	0.0504	0.0200
p-Ethyltoluene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,3,5-Trimethylbenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2,4-Trimethylbenzene	U	0.0273	U	0.0299	U	0.0414	U	0.0380
1,3-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,4-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Naphthalene	U	0.0546	U	0.0369	U	0.0200	U	0.0221

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number: R503003-37
Sample Number 262-0037
Sample Location CBES-IA17
Sublocation Principal Rm 105

Analyte	Results ppbv	RL ppbv
Propylene	1.28	0.200
Dichlorodifluoromethane	0.316	0.0200
Chloromethane	0.578	0.0200
Dichlorotetrafluoroethane	U	0.0200
Vinyl Chloride	U	0.0200
1,3-Butadiene	U	0.0200
Bromomethane	U	0.0200
Chloroethane	U	0.0200
Acetone	7.49	0.500
Trichlorofluoromethane	0.249	0.0200
Isopropyl Alcohol	0.531	0.500
1,1-Dichloroethene	U	0.0200
Methylene Chloride	0.0953	0.0200
Trichlorotrifluoroethane	0.0647	0.0200
trans-1,2-Dichloroethene	U	0.0200
1,1-Dichloroethane	U	0.0200
MTBE	U	0.0200
Vinyl Acetate	U	0.0200
2-Butanone	0.319	0.0200
cis-1,2-Dichloroethene	U	0.0200
Ethyl Acetate	U	0.0200
Hexane	0.272	0.0200
Chloroform	0.0236	0.0200
Tetrahydrofuran	0.0588	0.0200
1,2-Dichloroethane	0.0528	0.0200
1,1,1-Trichloroethane	U	0.0200
Benzene	0.197	0.0200
Carbon Tetrachloride	0.0774	0.0200
Cyclohexane	0.334	0.0200
1,2-Dichloropropane	U	0.0200
1,4-Dioxane	U	0.0200
Trichloroethene	0.0382	0.0200
Heptane	0.782	0.0200
cis-1,3-Dichloropropene	U	0.0200
Methyl Isobutyl Ketone	0.372	0.0200
trans-1,3-Dichloropropene	U	0.0200
1,1,2-Trichloroethane	U	0.0200
Toluene	0.553	0.0200
2-Hexanone	U	0.0442
Dibromochloromethane	U	0.0200
1,2-Dibromoethane	U	0.0200
Tetrachloroethene	0.0559	0.0200
Chlorobenzene	U	0.0200
Ethylbenzene	0.0509	0.0200
m&p-Xylene	0.182	0.0200
Bromoform	U	0.0200
Styrene	U	0.0600
1,1,2,2-Tetrachloroethane	U	0.0200
o-Xylene	0.0703	0.0200
p-Ethyltoluene	U	0.0200
1,3,5-Trimethylbenzene	U	0.0200
1,2,4-Trimethylbenzene	U	0.0527
1,3-Dichlorobenzene	U	0.0200
1,4-Dichlorobenzene	U	0.0200
1,2-Dichlorobenzene	U	0.0200
Naphthalene	U	0.0465

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:			R503003-36		R503003-21		R503003-22	
Sample Number	M. Blank 031815-01		262-0036		262-0021		262-0022	
Sample Location	N/A		CBES-TB		CBES-IA13		CBES-IA14	
Sublocation	N/A		Blank		Music/Art Rm 123		Pre-K Rm 120	
Analyte	Results	RL	Results	RL	Results	RL	Results	RL
	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Propylene	U	0.200	U	0.200	1.19	0.200	1.14	0.200
Dichlorodifluoromethane	U	0.0200	U	0.0200	0.294	0.0200	0.406	0.0200
Chloromethane	U	0.0200	U	0.0200	0.634 J	0.0200	0.686 J	0.0200
Dichlorotetrafluoroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Vinyl Chloride	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,3-Butadiene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Bromomethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Chloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Acetone	U	0.500	0.510	0.500	6.52	0.500	5.49	0.500
Trichlorofluoromethane	U	0.0200	U	0.0200	0.241	0.0200	0.256	0.0200
Isopropyl Alcohol	U	0.500	U	0.500	0.641	0.500	U	0.500
1,1-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Methylene Chloride	U	0.0200	U	0.0200	0.0932	0.0200	0.117	0.0200
Trichlorotrifluoroethane	U	0.0200	U	0.0200	0.0733	0.0200	0.0749	0.0200
trans-1,2-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	0.0287	0.0200
1,1-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
MTBE	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Vinyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.0200
2-Butanone	U	0.0200	U	0.0200	0.220 J	0.0200	0.190	0.0200
cis-1,2-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Ethyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Hexane	U	0.0200	U	0.0200	0.325	0.0200	0.151	0.0200
Chloroform	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Tetrahydrofuran	U	0.0200	U	0.0200	0.0795 J	0.0200	0.0620	0.0200
1,2-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,1,1-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Benzene	U	0.0200	U	0.0200	0.224	0.0200	0.245	0.0200
Carbon Tetrachloride	U	0.0200	U	0.0200	0.0797	0.0200	0.0815	0.0200
Cyclohexane	U	0.0200	U	0.0200	0.0779	0.0200	0.0255	0.0200
1,2-Dichloropropane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,4-Dioxane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Trichloroethene	U	0.0200	U	0.0200	0.0215	0.0200	0.0319	0.0200
Heptane	U	0.0200	U	0.0200	0.127	0.0200	0.178	0.0200
cis-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Methyl Isobutyl Ketone	U	0.0200	0.0581	0.0200	U	0.0200	U	0.0419
trans-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,1,2-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Toluene	U	0.0200	U	0.0200	0.388	0.0200	0.424	0.0200
2-Hexanone	U	0.0200	0.0620 J	0.0200	U	0.0200	U	0.0200
Dibromochloromethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2-Dibromoethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Tetrachloroethene	U	0.0200	U	0.0200	0.0402	0.0200	0.0795	0.0200
Chlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Ethylbenzene	U	0.0200	U	0.0200	0.0469	0.0200	0.0384	0.0200
m&p-Xylene	U	0.0200	U	0.0200	0.159	0.0200	0.137	0.0200
Bromoform	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Styrene	U	0.0200	0.0201	0.0200	U	0.0224	U	0.0463
1,1,2,2-Tetrachloroethane	U	0.0200	0.0304	0.0200	U	0.0200	U	0.0200
o-Xylene	U	0.0200	U	0.0200	0.0597	0.0200	0.0558	0.0200
p-Ethyltoluene	U	0.0200	U	0.0200	0.0283	0.0200	U	0.0200
1,3,5-Trimethylbenzene	U	0.0200	U	0.0200	0.0268	0.0200	U	0.0200
1,2,4-Trimethylbenzene	U	0.0200	0.0241	0.0200	U	0.0979	U	0.0381
1,3-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,4-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2-Dichlorobenzene	U	0.0200	0.0261	0.0200	U	0.0200	U	0.0200
Naphthalene	U	0.0200	0.0293 J	0.0200	U	0.0200	U	0.0225

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-23		R503003-24		R503003-25		R503003-26	
Sample Number	262-0023		262-0024		262-0025		262-0026	
Sample Location	CBES-IA15		CBES-IA16		CBES-CS1		CBES-CS2	
Sublocation	Kindergarten Rm 122		Music Rm 121		Basement CS 1		Basement CS 2	
	Results	RL	Results	RL	Results	RL	Results	RL
Analyte	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Propylene	1.01	0.200	0.955	0.200	0.701	0.200	0.346	0.200
Dichlorodifluoromethane	0.311	0.0200	0.317	0.0200	0.326	0.0200	0.330	0.0200
Chloromethane	0.669 J	0.0200	0.654 J	0.0200	0.415 J	0.0200	0.186 J	0.0200
Dichlorotetrafluoroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Vinyl Chloride	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,3-Butadiene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Bromomethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Chloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Acetone	2.90	0.500	2.61	0.500	U	2.37	U	0.814
Trichlorofluoromethane	0.244	0.0200	0.247	0.0200	0.301	0.0200	0.276	0.0200
Isopropyl Alcohol	U	0.500	U	0.500	U	0.500	U	0.500
1,1-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Methylene Chloride	0.103	0.0200	0.112	0.0200	0.0658	0.0200	0.0518	0.0200
Trichlorotrifluoroethane	0.0783	0.0200	0.0722	0.0200	0.0757	0.0200	0.0753	0.0200
trans-1,2-Dichloroethene	0.0230	0.0200	0.0226	0.0200	U	0.0200	U	0.0200
1,1-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
MTBE	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Vinyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.0200
2-Butanone	0.170	0.0200	0.192	0.0200	0.196	0.0200	0.0503	0.0200
cis-1,2-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Ethyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Hexane	0.151	0.0200	0.139	0.0200	0.116	0.0200	0.0463	0.0200
Chloroform	U	0.0200	U	0.0200	0.0432	0.0200	0.0372	0.0200
Tetrahydrofuran	0.0856	0.0200	0.0881	0.0200	0.0488	0.0200	0.0258	0.0200
1,2-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,1,1-Trichloroethane	U	0.0200	U	0.0200	0.100	0.0200	0.136	0.0200
Benzene	0.228	0.0200	0.228	0.0200	0.119	0.0200	0.0688	0.0200
Carbon Tetrachloride	0.0807	0.0200	0.0814	0.0200	0.0834	0.0200	0.0819	0.0200
Cyclohexane	0.0410	0.0200	0.0225	0.0200	U	0.0200	U	0.0200
1,2-Dichloropropane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,4-Dioxane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Trichloroethene	0.0218	0.0200	0.0229	0.0200	0.0336	0.0200	0.0429	0.0200
Heptane	0.0763	0.0200	0.0734	0.0200	0.0714	0.0200	U	0.0200
cis-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Methyl Isobutyl Ketone	U	0.0918	U	0.0200	U	0.0510	U	0.0200
trans-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,1,2-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Toluene	0.446	0.0200	0.392	0.0200	0.220	0.0200	0.0967	0.0200
2-Hexanone	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Dibromochloromethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2-Dibromoethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Tetrachloroethene	0.0464	0.0200	0.0416	0.0200	0.0701	0.0200	0.0799	0.0200
Chlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Ethylbenzene	0.0313	0.0200	0.0346	0.0200	0.0289	0.0200	U	0.0200
m&p-Xylene	0.108	0.0200	0.109	0.0200	0.138	0.0200	0.0298	0.0200
Bromoform	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Styrene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,1,2,2-Tetrachloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
o-Xylene	0.0475	0.0200	0.0474	0.0200	0.0457	0.0200	U	0.0200
p-Ethyltoluene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,3,5-Trimethylbenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2,4-Trimethylbenzene	U	0.0329	U	0.0371	U	0.0212	U	0.0200
1,3-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,4-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Naphthalene	U	0.0200	U	0.0237	0.303 J	0.0200	U	0.0200

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-11		R503003-12		R503003-13		R503003-16	
Sample Number	262-0011		262-0012		262-0013		262-0016	
Sample Location	CBES-IA3		CBES-IA4		CBES-IA5		CBES-IA8	
Sublocation	Office/Workroom		Library Rm 100		Girls Toilet		Nurse Rm 107	
	Results	RL	Results	RL	Results	RL	Results	RL
Analyte	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Propylene	1.09	0.200	1.01	0.200	0.938	0.200	0.977	0.200
Dichlorodifluoromethane	0.416	0.0200	0.288	0.0200	0.340	0.0200	0.305	0.0200
Chloromethane	0.761 J	0.0200	0.660 J	0.0200	0.594 J	0.0200	0.668 J	0.0200
Dichlorotetrafluoroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Vinyl Chloride	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,3-Butadiene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Bromomethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Chloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Acetone	3.14	0.500	3.55	0.500	U	2.22	U	2.35
Trichlorofluoromethane	0.258	0.0200	0.235	0.0200	0.249	0.0200	0.252	0.0200
Isopropyl Alcohol	U	0.500	U	0.500	1.42	0.500	U	0.500
1,1-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Methylene Chloride	0.104	0.0200	0.100	0.0200	0.0929	0.0200	0.0949	0.0200
Trichlorotrifluoroethane	0.0766	0.0200	0.0741	0.0200	0.0762	0.0200	0.0727	0.0200
trans-1,2-Dichloroethene	0.0224	0.0200	U	0.0200	0.0212	0.0200	0.0264	0.0200
1,1-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
MTBE	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Vinyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.0200
2-Butanone	0.144	0.0200	0.182	0.0200	0.152	0.0200	0.108	0.0200
cis-1,2-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Ethyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Hexane	0.133	0.0200	0.194	0.0200	0.107	0.0200	0.178	0.0200
Chloroform	U	0.0200	U	0.0200	0.0219	0.0200	0.0216	0.0200
Tetrahydrofuran	0.0395	0.0200	0.285	0.0200	U	0.0200	0.0825	0.0200
1,2-Dichloroethane	U	0.0200	U	0.0200	0.0241	0.0200	0.0924	0.0200
1,1,1-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Benzene	0.230	0.0200	0.220	0.0200	0.204	0.0200	0.226	0.0200
Carbon Tetrachloride	0.0841	0.0200	0.0780	0.0200	0.0827	0.0200	0.0838	0.0200
Cyclohexane	0.0614	0.0200	U	0.0200	0.0256	0.0200	0.0494	0.0200
1,2-Dichloropropane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,4-Dioxane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Trichloroethene	0.0379	0.0200	0.0230	0.0200	U	0.0200	0.0329	0.0200
Heptane	0.276	0.0200	0.0898	0.0200	0.154	0.0200	0.183	0.0200
cis-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Methyl Isobutyl Ketone	U	0.194	U	0.0200	U	0.133	U	0.0444
trans-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,1,2-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Toluene	0.582	0.0200	0.840	0.0200	0.346	0.0200	0.481	0.0200
2-Hexanone	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Dibromochloromethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2-Dibromoethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Tetrachloroethene	0.0515	0.0200	0.0425	0.0200	0.0459	0.0200	0.0875	0.0200
Chlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Ethylbenzene	0.0416	0.0200	0.0382	0.0200	0.0301	0.0200	0.0336	0.0200
m&p-Xylene	0.124	0.0200	0.124	0.0200	0.103	0.0200	0.111	0.0200
Bromoform	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Styrene	U	0.0502	U	0.0239	U	0.0200	U	0.0323
1,1,2,2-Tetrachloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
o-Xylene	0.0583	0.0200	0.0553	0.0200	0.0433	0.0200	0.0513	0.0200
p-Ethyltoluene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,3,5-Trimethylbenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2,4-Trimethylbenzene	U	0.0458	U	0.0567	U	0.0316	U	0.0358
1,3-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,4-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Naphthalene	U	0.0285	U	0.0299	U	0.0200	U	0.0207

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-17		R503003-18		R503003-19		R503003-20	
Sample Number	262-0017		262-0018		262-0019		262-0020	
Sample Location	CBES-IA9		CBES-IA10		CBES-IA11		CBES-IA12	
Sublocation	Corridor/Rm 107		Multipurpose Rm 111		Storage		Cafeteria Rm 113	
Analyte	Results	RL	Results	RL	Results	RL	Results	RL
	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Propylene	1.01	0.200	0.748	0.200	1.35	0.200	1.03	0.200
Dichlorodifluoromethane	0.347	0.0200	0.441	0.0200	0.347	0.0200	0.323	0.0200
Chloromethane	0.656 J	0.0200	0.846 J	0.0200	0.658 J	0.0200	0.666 J	0.0200
Dichlorotetrafluoroethane	U	0.0200	0.0204	0.0200	U	0.0200	U	0.0200
Vinyl Chloride	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,3-Butadiene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Bromomethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Chloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Acetone	U	1.39	2.61	0.500	4.14	0.500	3.33	0.500
Trichlorofluoromethane	0.254	0.0200	0.300	0.0200	0.251	0.0200	0.234	0.0200
Isopropyl Alcohol	U	0.500	U	0.500	U	0.500	U	0.500
1,1-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Methylene Chloride	0.0975	0.0200	0.123	0.0200	0.0992	0.0200	0.0960	0.0200
Trichlorotrifluoroethane	0.0822	0.0200	0.0936	0.0200	0.0775	0.0200	0.0694	0.0200
trans-1,2-Dichloroethene	0.0204	0.0200	U	0.0200	U	0.0200	0.0226	0.0200
1,1-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
MTBE	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Vinyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.0200
2-Butanone	0.0531	0.0200	0.148	0.0200	0.253	0.0200	0.236	0.0200
cis-1,2-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Ethyl Acetate	U	0.0200	0.0231	0.0200	U	0.0200	U	0.0200
Hexane	0.128	0.0200	0.105	0.0200	0.193	0.0200	U	0.0200
Chloroform	0.0223	0.0200	0.0384	0.0200	0.0211	0.0200	U	0.0200
Tetrahydrofuran	0.0267	0.0200	0.0723	0.0200	0.0532	0.0200	0.0619	0.0200
1,2-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,1,1-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Benzene	0.215	0.0200	0.214	0.0200	0.230	0.0200	0.224	0.0200
Carbon Tetrachloride	0.0862	0.0200	0.109	0.0200	0.0829	0.0200	0.0823	0.0200
Cyclohexane	0.0249	0.0200	U	0.0200	0.0478	0.0200	U	0.0200
1,2-Dichloropropane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,4-Dioxane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Trichloroethene	0.152	0.0200	U	0.0200	0.0257	0.0200	0.0243	0.0200
Heptane	0.101	0.0200	0.0453	0.0200	0.0934	0.0200	0.0946	0.0200
cis-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Methyl Isobutyl Ketone	U	0.0200	U	0.0200	U	0.0899	U	0.0200
trans-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,1,2-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Toluene	0.363	0.0200	0.244	0.0200	0.390	0.0200	0.351	0.0200
2-Hexanone	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Dibromochloromethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2-Dibromoethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Tetrachloroethene	0.0471	0.0200	0.0220	0.0200	0.0465	0.0465	0.0453	0.0200
Chlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Ethylbenzene	0.0319	0.0200	0.0250	0.0200	0.0449	0.0200	0.0331	0.0200
m&p-Xylene	0.103	0.0200	0.0786	0.0200	0.157	0.0200	0.109	0.0200
Bromoform	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Styrene	U	0.0200	U	0.0200	U	0.0207	U	0.0200
1,1,2,2-Tetrachloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.0200
o-Xylene	0.0446	0.0200	0.0350	0.0200	0.0571	0.0200	0.0479	0.0200
p-Ethyltoluene	U	0.0200	U	0.0200	0.0226	0.0200	0.0211	0.0200
1,3,5-Trimethylbenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2,4-Trimethylbenzene	U	0.0328	U	0.0266	U	0.0402	U	0.0332
1,3-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,4-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
1,2-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Naphthalene	U	0.0200	U	0.0200	U	0.0203	U	0.0200

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:			R503003-27		R503003-09		R503003-10	
Sample Number			M. Blank 031915-01		262-0027		262-0010	
Sample Location			N/A		CBES-CS3		CBES-IA2	
Sublocation			N/A		Basement-CS 3		Basement Stair	
							Mech Room	
	Results	RL	Results	RL	Results	RL	Results	RL
Analyte	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Propylene	U	0.200	U	1.00	U	1.00	1.09	1.00
Dichlorodifluoromethane	U	0.0200	0.572	0.100	0.545	0.100	0.532	0.100
Chloromethane	U	0.0200	0.300	0.100	0.256	0.100	0.612	0.100
Dichlorotetrafluoroethane	U	0.0200	U	0.100	U	0.100	U	0.100
Vinyl Chloride	U	0.0200	U	0.100	U	0.100	U	0.100
1,3-Butadiene	U	0.0200	U	0.100	U	0.100	U	0.100
Bromomethane	U	0.0200	U	0.100	U	0.100	U	0.100
Chloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
Acetone	U	0.500	2.73	2.50	U	2.50	2.92	2.50
Trichlorofluoromethane	U	0.0200	0.259	0.100	0.267	0.100	0.252	0.100
Isopropyl Alcohol	U	0.500	U	2.50	U	2.50	U	2.50
1,1-Dichloroethene	U	0.0200	U	0.100	U	0.100	U	0.100
Methylene Chloride	U	0.0200	0.105	0.100	U	0.100	0.130	0.100
Trichlorotrifluoroethane	U	0.0200	U	0.100	U	0.100	U	0.100
trans-1,2-Dichloroethene	U	0.0200	U	0.100	U	0.100	U	0.100
1,1-Dichloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
MTBE	U	0.0200	U	0.100	U	0.100	U	0.100
Vinyl Acetate	U	0.0200	U	0.100	0.232	0.100	U	0.100
2-Butanone	U	0.0200	0.230	0.100	U	0.100	U	0.100
cis-1,2-Dichloroethene	U	0.0200	U	0.100	U	0.100	U	0.100
Ethyl Acetate	U	0.0200	U	0.100	U	0.100	U	0.100
Hexane	U	0.0200	U	0.100	U	0.100	0.101	0.100
Chloroform	U	0.0200	0.0154	J 0.100	0.0436	J 0.100	U	0.100
Tetrahydrofuran	U	0.0200	U	0.100	U	0.100	U	0.100
1,2-Dichloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
1,1,1-Trichloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
Benzene	U	0.0200	0.146	0.100	U	0.100	0.217	0.100
Carbon Tetrachloride	U	0.0200	0.0869	J 0.100	0.0947	J 0.100	0.0934	J 0.100
Cyclohexane	U	0.0200	U	0.100	U	0.100	U	0.100
1,2-Dichloropropane	U	0.0200	U	0.100	U	0.100	U	0.100
1,4-Dioxane	U	0.0200	U	0.100	U	0.100	U	0.100
Trichloroethene	U	0.0200	0.0456	J 0.100	0.0572	J 0.100	U	0.100
Heptane	U	0.0200	U	0.100	U	0.100	U	0.100
cis-1,3-Dichloropropene	U	0.0200	U	0.100	U	0.100	U	0.100
Methyl Isobutyl Ketone	U	0.0200	U	0.100	U	0.100	U	0.100
trans-1,3-Dichloropropene	U	0.0200	U	0.100	U	0.100	U	0.100
1,1,2-Trichloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
Toluene	U	0.0200	0.208	0.100	0.130	0.100	0.257	0.100
2-Hexanone	U	0.0200	U	0.100	U	0.100	U	0.100
Dibromochloromethane	U	0.0200	U	0.100	U	0.100	U	0.100
1,2-Dibromoethane	U	0.0200	U	0.100	U	0.100	U	0.100
Tetrachloroethene	U	0.0200	U	0.100	U	0.100	U	0.100
Chlorobenzene	U	0.0200	U	0.100	U	0.100	U	0.100
Ethylbenzene	U	0.0200	U	0.100	U	0.100	U	0.100
m&p-Xylene	U	0.0200	U	0.100	U	0.100	U	0.100
Bromoform	U	0.0200	U	0.100	U	0.100	U	0.100
Styrene	U	0.0200	U	0.100	U	0.100	U	0.100
1,1,2,2-Tetrachloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
o-Xylene	U	0.0200	U	0.100	U	0.100	U	0.100
p-Ethyltoluene	U	0.0200	U	0.100	U	0.100	U	0.100
1,3,5-Trimethylbenzene	U	0.0200	U	0.100	U	0.100	U	0.100
1,2,4-Trimethylbenzene	U	0.0200	U	0.100	U	0.100	U	0.100
1,3-Dichlorobenzene	U	0.0200	U	0.100	U	0.100	U	0.100
1,4-Dichlorobenzene	U	0.0200	0.0387	J 0.100	U	0.100	U	0.100
1,2-Dichlorobenzene	U	0.0200	U	0.100	U	0.100	U	0.100
Naphthalene	U	0.0200	U	0.127	U	0.100	U	0.100

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-14	R503003-15	R503003-28	R503003-29
Sample Number	262-0014	262-0015	262-0028	262-0029
Sample Location	CBES-IA6	CBES-IA7	CBES-CS4	CBES-CS5
Sublocation	Classroom Rm 101	Faculty Rm 103	Office CS	Girls Toilet Wall Panel

Analyte	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv
Propylene	U	1.00	1.10	1.00	0.681	0.200	1.07	1.00
Dichlorodifluoromethane	0.477	0.100	0.556	0.100	0.361	0.0200	0.568	0.100
Chloromethane	0.578	0.100	0.585	0.100	0.205	0.0200	0.593	0.100
Dichlorotetrafluoroethane	U	0.100	U	0.100	U	0.0200	U	0.100
Vinyl Chloride	U	0.100	U	0.100	U	0.0200	U	0.100
1,3-Butadiene	U	0.100	U	0.100	U	0.0200	U	0.100
Bromomethane	U	0.100	U	0.100	U	0.0200	U	0.100
Chloroethane	U	0.100	U	0.100	U	0.0200	U	0.100
Acetone	3.28	2.50	6.07	2.50	U	2.08	4.62	2.50
Trichlorofluoromethane	0.211	0.100	0.409	0.100	0.253	0.0200	0.257	0.100
Isopropyl Alcohol	U	2.50	U	2.50	U	0.500	6.25	2.50
1,1-Dichloroethene	U	0.100	U	0.100	U	0.0200	U	0.100
Methylene Chloride	U	0.100	0.135	0.100	0.0561	0.0200	U	0.100
Trichlorotrifluoroethane	U	0.100	U	0.100	0.0762	0.0200	U	0.100
trans-1,2-Dichloroethene	U	0.100	U	0.100	0.0246	0.0200	U	0.100
1,1-Dichloroethane	U	0.100	U	0.100	U	0.0200	U	0.100
MTBE	U	0.100	U	0.100	U	0.0200	U	0.100
Vinyl Acetate	U	0.100	U	0.100	0.117	0.0200	U	0.100
2-Butanone	U	0.100	0.265	0.100	0.126	0.0200	0.265	0.100
cis-1,2-Dichloroethene	U	0.100	U	0.100	U	0.0200	U	0.100
Ethyl Acetate	U	0.100	0.722	0.100	U	0.0200	U	0.100
Hexane	U	0.100	0.196	0.100	0.0697	0.0200	0.109	0.100
Chloroform	U	0.100	U	0.100	U	0.0200	U	0.100
Tetrahydrofuran	U	0.100	0.265	0.100	0.115	0.0200	U	0.100
1,2-Dichloroethane	U	0.100	U	0.100	U	0.0200	U	0.100
1,1,1-Trichloroethane	U	0.100	U	0.100	0.999	0.0200	U	0.100
Benzene	0.185	0.100	0.235	0.100	0.0720	0.0200	0.224	0.100
Carbon Tetrachloride	0.0787	J 0.100	0.0903	J 0.100	0.0839	0.0200	0.0891	J 0.100
Cyclohexane	U	0.100	U	0.100	U	0.0200	U	0.100
1,2-Dichloropropane	U	0.100	U	0.100	U	0.0200	U	0.100
1,4-Dioxane	U	0.100	U	0.100	U	0.0200	U	0.100
Trichloroethene	U	0.100	0.0302	J 0.100	0.0344	0.0200	0.0582	J 0.100
Heptane	U	0.100	U	0.100	0.0400	0.0200	0.148	0.100
cis-1,3-Dichloropropene	U	0.100	U	0.100	U	0.0200	U	0.100
Methyl Isobutyl Ketone	U	0.100	U	0.100	U	0.0551	U	0.100
trans-1,3-Dichloropropene	U	0.100	U	0.100	U	0.0200	U	0.100
1,1,2-Trichloroethane	U	0.100	U	0.100	U	0.0200	U	0.100
Toluene	0.199	0.100	0.438	0.100	0.196	0.0200	0.320	0.100
2-Hexanone	U	0.100	U	0.100	U	0.0200	U	0.100
Dibromochloromethane	U	0.100	U	0.100	U	0.0200	U	0.100
1,2-Dibromoethane	U	0.100	U	0.100	U	0.0200	U	0.100
Tetrachloroethene	U	0.100	U	0.100	0.0531	0.0200	U	0.100
Chlorobenzene	U	0.100	U	0.100	U	0.0200	U	0.100
Ethylbenzene	U	0.100	U	0.100	0.0404	0.0200	U	0.100
m&p-Xylene	U	0.100	0.103	0.100	0.147	0.0200	U	0.100
Bromoform	U	0.100	U	0.100	U	0.0200	U	0.100
Styrene	U	0.100	U	0.100	U	0.0200	U	0.100
1,1,2,2-Tetrachloroethane	U	0.100	U	0.100	U	0.0200	U	0.100
o-Xylene	U	0.100	U	0.100	0.0608	0.0200	U	0.100
p-Ethyltoluene	U	0.100	U	0.100	U	0.0200	U	0.100
1,3,5-Trimethylbenzene	U	0.100	U	0.100	U	0.0200	U	0.100
1,2,4-Trimethylbenzene	U	0.100	U	0.100	U	0.0208	U	0.100
1,3-Dichlorobenzene	U	0.100	U	0.100	U	0.0200	U	0.100
1,4-Dichlorobenzene	U	0.100	U	0.100	U	0.0200	U	0.100
1,2-Dichlorobenzene	U	0.100	U	0.100	U	0.0200	U	0.100
Naphthalene	U	0.100	U	0.100	U	0.0200	U	0.100

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

Method: SERAS SOP#1814

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Sample Number Sample Location Sublocation	R503003-01 262-0001 CBES-SS1 Basement Stair		R503003-04 262-0004 CBES-SS4 Cafeteria Rm 113	
	Results	RL	Results	RL
Analyte	ppbv	ppbv	ppbv	ppbv
Propylene	0.876	0.200	2.68	0.200
Dichlorodifluoromethane	0.251	0.0200	0.294	0.0200
Chloromethane	0.0651	0.0200	0.0848	0.0200
Dichlorotetrafluoroethane	0.0606	0.0200	U	0.0200
Vinyl Chloride	U	0.0200	U	0.0200
1,3-Butadiene	U	0.0200	U	0.0200
Bromomethane	U	0.0200	U	0.0200
Chloroethane	U	0.0200	U	0.0200
Acetone	24.7	12.5	8.46	0.500
Trichlorofluoromethane	0.289	0.0200	0.277	0.0200
Isopropyl Alcohol	0.785	0.500	0.940	0.500
1,1-Dichloroethene	U	0.0200	U	0.0200
Methylene Chloride	0.0349	0.0200	U	0.0200
Trichlorotrifluoroethane	0.0742	0.0200	0.0730	0.0200
trans-1,2-Dichloroethene	U	0.0200	U	0.0200
1,1-Dichloroethane	U	0.0200	U	0.0200
MTBE	U	0.0200	U	0.0200
Vinyl Acetate	U	0.0200	0.182	0.0200
2-Butanone	2.87	0.0200	0.940	0.0200
cis-1,2-Dichloroethene	0.0416	0.0200	U	0.0200
Ethyl Acetate	U	0.0200	U	0.0200
Hexane	0.0595	0.0200	0.0666	0.0200
Chloroform	1.65	0.0200	0.0210	0.0200
Tetrahydrofuran	U	0.0200	U	0.0200
1,2-Dichloroethane	U	0.0200	U	0.0200
1,1,1-Trichloroethane	0.0521	0.0200	U	0.0200
Benzene	0.100	0.0200	0.113	0.0200
Carbon Tetrachloride	0.0374	0.0200	0.0710	0.0200
Cyclohexane	U	0.0200	U	0.0200
1,2-Dichloropropane	U	0.0200	U	0.0200
1,4-Dioxane	U	0.0200	U	0.0200
Trichloroethene	6.39	0.0200	0.0838	0.0200
Heptane	0.0739	0.0200	0.0570	0.0200
cis-1,3-Dichloropropene	U	0.0200	U	0.0200
Methyl Isobutyl Ketone	U	0.214	U	0.0436
trans-1,3-Dichloropropene	U	0.0200	U	0.0200
1,1,2-Trichloroethane	U	0.0200	U	0.0200
Toluene	0.194	0.0200	0.172	0.0200
2-Hexanone	0.371	0.0200	U	0.107
Dibromochloromethane	0.0473	0.0200	U	0.0200
1,2-Dibromoethane	U	0.0200	U	0.0200
Tetrachloroethene	2.03	0.0200	0.295	0.0200
Chlorobenzene	0.0826	0.0200	U	0.0200
Ethylbenzene	0.0330	0.0200	0.0315	0.0200
m&p-Xylene	0.112	0.0200	0.0645	0.0200
Bromoform	U	0.0200	U	0.0200
Styrene	U	0.0209	0.113	0.0200
1,1,2,2-Tetrachloroethane	U	0.0200	U	0.0200
o-Xylene	0.0462	0.0200	0.0338	0.0200
p-Ethyltoluene	U	0.0200	U	0.0200
1,3,5-Trimethylbenzene	U	0.0200	U	0.0200
1,2,4-Trimethylbenzene	U	0.0440	U	0.0259
1,3-Dichlorobenzene	U	0.0200	U	0.0200
1,4-Dichlorobenzene	0.145	0.0200	0.138	0.0200
1,2-Dichlorobenzene	U	0.0200	U	0.0200
Naphthalene	0.181	0.0200	0.595	0.0200

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:		R503003-02	R503003-03	R503003-05
Sample Number	P.Sys/M. Blank 032215-01	262-0002	262-0003	262-0005
Sample Location	N/A	CBES-SS2	CBES-SS3	CBES-SS5
Sublocation	N/A	Mech Room	Storage	Music/Art Rm 123

Analyte	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv
Propylene	U	0.200	18.3	1.00	U	1.00	U	1.00
Dichlorodifluoromethane	U	0.0200	0.478	0.100	0.490	0.100	0.533	0.100
Chloromethane	U	0.0200	U	0.100	U	0.100	U	0.100
Dichlorotetrafluoroethane	U	0.0200	U	0.100	U	0.100	U	0.100
Vinyl Chloride	U	0.0200	U	0.100	U	0.100	U	0.100
1,3-Butadiene	U	0.0200	U	0.100	U	0.100	U	0.100
Bromomethane	U	0.0200	U	0.100	U	0.100	U	0.100
Chloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
Acetone	U	0.500	156 J	12.5	3.60	2.50	4.05	2.50
Trichlorofluoromethane	U	0.0200	1.78	0.100	0.304	0.100	0.262	0.100
Isopropyl Alcohol	U	0.500	4.12	2.50	U	2.50	U	2.50
1,1-Dichloroethene	U	0.0200	U	0.100	U	0.100	U	0.100
Methylene Chloride	U	0.0200	U	0.100	U	0.100	U	0.100
Trichlorotrifluoroethane	U	0.0200	U	0.100	U	0.100	U	0.100
trans-1,2-Dichloroethene	U	0.0200	U	0.100	U	0.100	U	0.100
1,1-Dichloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
MTBE	U	0.0200	U	0.100	U	0.100	U	0.100
Vinyl Acetate	U	0.0200	5.68	0.100	U	0.100	U	0.100
2-Butanone	U	0.0200	3.55	0.100	0.259	0.100	0.321	0.100
cis-1,2-Dichloroethene	U	0.0200	U	0.100	U	0.100	U	0.100
Ethyl Acetate	U	0.0200	U	0.100	U	0.100	U	0.100
Hexane	U	0.0200	10.9	0.100	U	0.100	U	0.100
Chloroform	U	0.0200	0.584	0.100	U	0.100	U	0.100
Tetrahydrofuran	U	0.0200	U	0.100	U	0.100	U	0.100
1,2-Dichloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
1,1,1-Trichloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
Benzene	U	0.0200	1.72	0.100	U	0.100	U	0.100
Carbon Tetrachloride	U	0.0200	U	0.100	U	0.100	U	0.100
Cyclohexane	U	0.0200	U	0.100	U	0.100	U	0.100
1,2-Dichloropropane	U	0.0200	U	0.100	U	0.100	U	0.100
1,4-Dioxane	U	0.0200	U	0.100	U	0.100	U	0.100
Trichloroethene	U	0.0200	3.38	0.100	U	0.100	U	0.100
Heptane	U	0.0200	5.35	0.100	U	0.100	U	0.100
cis-1,3-Dichloropropene	U	0.0200	U	0.100	U	0.100	U	0.100
Methyl Isobutyl Ketone	U	0.0200	4.23	0.100	U	0.100	U	0.100
trans-1,3-Dichloropropene	U	0.0200	U	0.100	U	0.100	U	0.100
1,1,2-Trichloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
Toluene	U	0.0200	1.99	0.100	U	0.100	U	0.100
2-Hexanone	U	0.0200	0.665	0.100	U	0.100	U	0.100
Dibromochloromethane	U	0.0200	U	0.100	U	0.100	U	0.100
1,2-Dibromoethane	U	0.0200	U	0.100	U	0.100	U	0.100
Tetrachloroethene	U	0.0200	0.844	0.100	1.16	0.100	0.143	0.100
Chlorobenzene	U	0.0200	U	0.100	U	0.100	U	0.100
Ethylbenzene	U	0.0200	0.803	0.100	U	0.100	U	0.100
m&p-Xylene	U	0.0200	0.600	0.100	U	0.100	U	0.100
Bromoform	U	0.0200	U	0.100	U	0.100	U	0.100
Styrene	U	0.0200	U	0.100	U	0.100	U	0.100
1,1,2,2-Tetrachloroethane	U	0.0200	U	0.100	U	0.100	U	0.100
o-Xylene	U	0.0200	0.344	0.100	U	0.100	U	0.100
p-Ethyltoluene	U	0.0200	0.134	0.100	U	0.100	U	0.100
1,3,5-Trimethylbenzene	U	0.0200	U	0.100	U	0.100	U	0.100
1,2,4-Trimethylbenzene	U	0.0200	0.140	0.100	U	0.100	U	0.100
1,3-Dichlorobenzene	U	0.0200	U	0.100	U	0.100	U	0.100
1,4-Dichlorobenzene	U	0.0200	0.148	0.100	0.117	0.100	U	0.100
1,2-Dichlorobenzene	U	0.0200	U	0.100	U	0.100	U	0.100
Naphthalene	U	0.0200	0.409	0.100	U	0.106	U	0.122

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Table 1.1a (cont) Results of the Analysis for VOC (ppbv) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-06	R503003-07	R503003-08
Sample Number	262-0006	262-0007	262-0008
Sample Location	CBES-SS6	CBES-SS7	CBES-SS8
Sublocation	Pre-K Rm 120	Kindergarten Rm 122	Music Rm 121

Analyte	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv
Propylene	1.22	1.00	U	1.00	U	1.00
Dichlorodifluoromethane	0.451	0.100	0.585	0.100	0.646	0.100
Chloromethane	U	0.100	U	0.100	0.158	0.100
Dichlorotetrafluoroethane	U	0.100	U	0.100	U	0.100
Vinyl Chloride	U	0.100	U	0.100	U	0.100
1,3-Butadiene	U	0.100	U	0.100	U	0.100
Bromomethane	U	0.100	U	0.100	U	0.100
Chloroethane	U	0.100	U	0.100	U	0.100
Acetone	45.6	2.50	11.6	2.50	14.3	2.50
Trichlorofluoromethane	0.318	0.100	0.304	0.100	0.287	0.100
Isopropyl Alcohol	U	2.50	U	2.50	U	2.50
1,1-Dichloroethene	U	0.100	U	0.100	U	0.100
Methylene Chloride	U	0.100	U	0.100	U	0.100
Trichlorotrifluoroethane	U	0.100	U	0.100	U	0.100
trans-1,2-Dichloroethene	U	0.100	U	0.100	U	0.100
1,1-Dichloroethane	U	0.100	U	0.100	U	0.100
MTBE	U	0.100	U	0.100	U	0.100
Vinyl Acetate	U	0.100	U	0.100	0.167	0.100
2-Butanone	3.61	0.100	0.861	0.100	0.695	0.100
cis-1,2-Dichloroethene	U	0.100	U	0.100	U	0.100
Ethyl Acetate	U	0.100	U	0.100	U	0.100
Hexane	1.54	0.100	0.380	0.100	U	0.100
Chloroform	1.09	0.100	U	0.100	U	0.100
Tetrahydrofuran	U	0.100	U	0.100	U	0.100
1,2-Dichloroethane	U	0.100	U	0.100	U	0.100
1,1,1-Trichloroethane	U	0.100	U	0.100	U	0.100
Benzene	0.247	0.100	0.118	0.100	U	0.100
Carbon Tetrachloride	U	0.100	U	0.100	U	0.100
Cyclohexane	0.330	0.100	U	0.100	U	0.100
1,2-Dichloropropane	U	0.100	U	0.100	U	0.100
1,4-Dioxane	U	0.100	U	0.100	U	0.100
Trichloroethene	4.75	0.100	U	0.100	0.104	0.100
Heptane	1.85	0.100	0.416	0.100	U	0.100
cis-1,3-Dichloropropene	U	0.100	U	0.100	U	0.100
Methyl Isobutyl Ketone	0.377	0.100	U	0.134	U	0.100
trans-1,3-Dichloropropene	U	0.100	U	0.100	U	0.100
1,1,2-Trichloroethane	U	0.100	U	0.100	U	0.100
Toluene	1.04	0.100	0.351	0.100	0.200	0.100
2-Hexanone	0.709	0.100	U	0.203	U	0.100
Dibromochloromethane	U	0.100	U	0.100	U	0.100
1,2-Dibromoethane	U	0.100	U	0.100	U	0.100
Tetrachloroethene	24.0	0.100	1.60	0.100	0.932	0.100
Chlorobenzene	U	0.100	U	0.100	U	0.100
Ethylbenzene	5.21	0.100	0.799	0.100	U	0.100
m&p-Xylene	1.28	0.100	0.279	0.100	U	0.100
Bromoform	U	0.100	U	0.100	U	0.100
Styrene	0.104	0.100	U	0.100	U	0.100
1,1,2,2-Tetrachloroethane	U	0.100	U	0.100	U	0.100
o-Xylene	1.34	0.100	0.238	0.100	U	0.100
p-Ethyltoluene	0.429	0.100	U	0.100	U	0.100
1,3,5-Trimethylbenzene	0.591	0.100	U	0.100	U	0.100
1,2,4-Trimethylbenzene	2.25	0.100	0.276	0.100	U	0.100
1,3-Dichlorobenzene	U	0.100	U	0.100	U	0.100
1,4-Dichlorobenzene	0.151	0.100	0.124	0.100	0.139	0.100
1,2-Dichlorobenzene	U	0.100	U	0.100	U	0.100
Naphthalene	39.5	0.100	12.2	0.100	0.637	0.100

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Table 1.1b Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	M. Blank 031715-01		P.Sys Blank 031715-02		R503003-30		R503003-31	
Sample Number	N/A		N/A		262-0030		262-0031	
Sample Location	N/A		N/A		CBES-AA1		CBES-AA1	
Sublocation	N/A		N/A		Bldg A South		Bldg A South	
Analyte	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3
Propylene	U	0.344	U	0.344	1.62	0.344	1.57	0.344
Dichlorodifluoromethane	U	0.0989	U	0.0989	1.57	0.0989	1.41	0.0989
Chloromethane	U	0.0413	U	0.0413	1.45	0.0413	1.39	0.0413
Dichlorotetrafluoroethane	U	0.140	U	0.140	U	0.140	U	0.140
Vinyl Chloride	U	0.0511	U	0.0511	U	0.0511	U	0.0511
1,3-Butadiene	U	0.0442	U	0.0442	U	0.0442	U	0.0442
Bromomethane	U	0.0777	U	0.0777	U	0.0777	U	0.0777
Chloroethane	U	0.0528	U	0.0528	U	0.0528	U	0.0528
Acetone	U	1.19	U	1.19	7.36	1.19	6.50	1.19
Trichlorofluoromethane	U	0.112	U	0.112	1.65	0.112	1.60	0.112
Isopropyl Alcohol	U	1.23	U	1.23	0.589	1.23	0.197	1.23
1,1-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
Methylene Chloride	U	0.0695	U	0.0695	0.330	0.0695	0.320	0.0695
Trichlorotrifluoroethane	U	0.153	U	0.153	0.520	0.153	0.534	0.153
trans-1,2-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
1,1-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U	0.0809
MTBE	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Vinyl Acetate	U	0.0704	U	0.0704	U	0.0704	U	0.0704
2-Butanone	U	0.0590	U	0.0590	0.615	0.0590	0.567	0.0590
cis-1,2-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
Ethyl Acetate	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Hexane	U	0.0705	U	0.0705	0.445	0.0705	0.354	0.0705
Chloroform	U	0.0977	U	0.0977	U	0.0977	U	0.0977
Tetrahydrofuran	U	0.0590	U	0.0590	0.363	0.0590	U	0.0590
1,2-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U	0.0809
1,1,1-Trichloroethane	U	0.109	U	0.109	U	0.109	U	0.109
Benzene	U	0.0639	U	0.0639	0.755	0.0639	0.730	0.0639
Carbon Tetrachloride	U	0.126	U	0.126	0.573	0.126	0.555	0.126
Cyclohexane	U	0.0688	U	0.0688	U	0.0688	U	0.0688
1,2-Dichloropropane	U	0.0924	U	0.0924	U	0.0924	U	0.0924
1,4-Dioxane	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Trichloroethene	U	0.107	U	0.107	U	0.107	U	0.107
Heptane	U	0.0820	U	0.0820	0.287	0.0820	0.266	0.0820
cis-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U	0.0908
Methyl Isobutyl Ketone	U	0.0819	U	0.0819	U	0.0819	U	0.0819
trans-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U	0.0908
1,1,2-Trichloroethane	U	0.109	U	0.109	U	0.109	U	0.109
Toluene	U	0.0754	U	0.0754	1.62	0.0754	1.27	0.0754
2-Hexanone	U	0.0819	U	0.0819	U	0.0819	U	0.0819
Dibromochloromethane	U	0.170	U	0.170	U	0.170	U	0.170
1,2-Dibromoethane	U	0.154	U	0.154	U	0.154	U	0.154
Tetrachloroethene	U	0.136	U	0.136	0.295	0.136	0.289	0.136
Chlorobenzene	U	0.0921	U	0.0921	U	0.0921	U	0.0921
Ethylbenzene	U	0.0868	U	0.0868	0.143	0.0868	0.139	0.0868
m&p-Xylene	U	0.0868	U	0.0868	0.501	0.0868	0.467	0.0868
Bromoform	U	0.207	U	0.207	U	0.207	U	0.207
Styrene	U	0.0852	U	0.0852	U	0.0852	U	0.0852
1,1,2,2-Tetrachloroethane	U	0.137	U	0.137	U	0.137	U	0.137
o-Xylene	U	0.0868	U	0.0868	0.215	0.0868	0.190	0.0868
p-Ethyltoluene	U	0.0983	U	0.0983	U	0.0983	U	0.0983
1,3,5-Trimethylbenzene	U	0.0983	U	0.0983	U	0.0983	U	0.0983
1,2,4-Trimethylbenzene	U	0.0983	U	0.0983	U	0.165	U	0.146
1,3-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
1,4-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
1,2-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
Naphthalene	U	0.105	U	0.105	U	0.301	U	0.239

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

Method: SERAS SOP 1814

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SERAS Sample Number:	R503003-32	R503003-33	R503003-34	R503003-35
Sample Number	262-0032	262-0033	262-0034	262-0035
Sample Location	CBES-AA2	CBES-AA2	CBES-IA2	CBES-IA7
Sublocation	Bldg B North	Bldg B North	Mech Room	Faculty Rm 103

Analyte	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3
Propylene	1.62	0.344	1.70	0.344	U	0.344	1.92	0.344
Dichlorodifluoromethane	1.42	0.0989	1.55	0.0989	U	0.0989	1.87	0.0989
Chloromethane	1.39	0.0413	1.44	0.0413	0.209	0.0413	1.41	0.0413
Dichlorotetrafluoroethane	U	0.140	U	0.140	U	0.140	U	0.140
Vinyl Chloride	U	0.0511	U	0.0511	U	0.0511	U	0.0511
1,3-Butadiene	U	0.0442	U	0.0442	U	0.0442	U	0.0442
Bromomethane	U	0.0777	U	0.0777	U	0.0777	U	0.0777
Chloroethane	U	0.0528	U	0.0528	U	0.0528	U	0.0528
Acetone	U	6.00	6.56	1.19	6.49	1.19	9.99	1.19
Trichlorofluoromethane	1.31	0.112	1.43	0.112	1.30	0.112	2.43	0.112
Isopropyl Alcohol	U	1.23	0.121	1.23	0.871	1.23	U	1.23
1,1-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
Methylene Chloride	0.321	0.0695	0.351	0.0695	0.334	0.0695	0.359	0.0695
Trichlorotrifluoroethane	0.509	0.153	0.542	0.153	0.553	0.153	0.572	0.153
trans-1,2-Dichloroethene	U	0.0793	U	0.0793	0.0837	0.0793	0.0894	0.0793
1,1-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U	0.0809
MTBE	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Vinyl Acetate	U	0.0704	U	0.0704	U	0.0704	U	0.0704
2-Butanone	0.513	0.0590	0.494	0.0590	0.551	0.0590	0.648	0.0590
cis-1,2-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
Ethyl Acetate	U	0.0721	U	0.0721	U	0.0721	3.02	0.0721
Hexane	0.423	0.0705	0.448	0.0705	0.358	0.0705	0.564	0.0705
Chloroform	U	0.0977	U	0.0977	0.108	0.0977	0.101	0.0977
Tetrahydrofuran	0.272	0.0590	0.233	0.0590	0.288	0.0590	0.155	0.0590
1,2-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U	0.0809
1,1,1-Trichloroethane	U	0.109	U	0.109	U	0.109	U	0.109
Benzene	0.736	0.0639	0.765	0.0639	0.764	0.0639	0.749	0.0639
Carbon Tetrachloride	0.571	0.126	0.576	0.126	0.520	0.126	0.510	0.126
Cyclohexane	U	0.0688	U	0.0688	U	0.0688	0.105	0.0688
1,2-Dichloropropane	U	0.0924	U	0.0924	U	0.0924	U	0.0924
1,4-Dioxane	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Trichloroethene	U	0.107	U	0.107	0.137	0.107	0.137	0.107
Heptane	0.285	0.0820	0.274	0.0820	0.304	0.0820	0.450	0.0820
cis-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U	0.0908
Methyl Isobutyl Ketone	U	0.0819	U	0.0819	U	0.0819	U	0.0819
trans-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U	0.0908
1,1,2-Trichloroethane	U	0.109	U	0.109	U	0.109	U	0.109
Toluene	1.13	0.0754	1.20	0.0754	1.10	0.0754	1.50	0.0754
2-Hexanone	U	0.0819	U	0.0819	U	0.0819	U	0.0819
Dibromochloromethane	U	0.170	U	0.170	U	0.170	U	0.170
1,2-Dibromoethane	U	0.154	U	0.154	U	0.154	U	0.154
Tetrachloroethene	0.245	0.136	0.204	0.136	0.291	0.136	0.293	0.136
Chlorobenzene	U	0.0921	U	0.0921	U	0.0921	U	0.0921
Ethylbenzene	0.125	0.0868	0.126	0.0868	0.142	0.0868	0.156	0.0868
m&p-Xylene	0.414	0.0868	0.450	0.0868	0.445	0.0868	0.534	0.0868
Bromoform	U	0.207	U	0.207	U	0.207	U	0.207
Styrene	U	0.0852	U	0.0852	U	0.0852	U	0.113
1,1,2,2-Tetrachloroethane	U	0.137	U	0.137	U	0.137	U	0.137
o-Xylene	0.182	0.0868	0.189	0.0868	0.179	0.0868	0.219	0.0868
p-Ethyltoluene	U	0.0983	U	0.0983	U	0.0983	U	0.0983
1,3,5-Trimethylbenzene	U	0.0983	U	0.0983	U	0.0983	U	0.0983
1,2,4-Trimethylbenzene	U	0.134	U	0.147	U	0.204	U	0.187
1,3-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
1,4-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
1,2-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
Naphthalene	U	0.286	U	0.193	U	0.105	U	0.116

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number: R503003-37
Sample Number: 262-0037
Sample Location: CBES-IA17
Sublocation: Principal Rm 105

Analyte	Results	RL
	µg/m3	µg/m3
Propylene	2.20	0.344
Dichlorodifluoromethane	1.56	0.0989
Chloromethane	1.19	0.0413
Dichlorotetrafluoroethane	U	0.140
Vinyl Chloride	U	0.0511
1,3-Butadiene	U	0.0442
Bromomethane	U	0.0777
Chloroethane	U	0.0528
Acetone	17.8	1.19
Trichlorofluoromethane	1.40	0.112
Isopropyl Alcohol	1.30	1.23
1,1-Dichloroethene	U	0.0793
Methylene Chloride	0.331	0.0695
Trichlorotrifluoroethane	0.496	0.153
trans-1,2-Dichloroethene	U	0.0793
1,1-Dichloroethane	U	0.0809
MTBE	U	0.0721
Vinyl Acetate	U	0.0704
2-Butanone	0.942	0.0590
cis-1,2-Dichloroethene	U	0.0793
Ethyl Acetate	U	0.0721
Hexane	0.958	0.0705
Chloroform	0.115	0.0977
Tetrahydrofuran	0.173	0.0590
1,2-Dichloroethane	0.214	0.0809
1,1,1-Trichloroethane	U	0.109
Benzene	0.631	0.0639
Carbon Tetrachloride	0.487	0.126
Cyclohexane	1.15	0.0688
1,2-Dichloropropane	U	0.0924
1,4-Dioxane	U	0.0721
Trichloroethene	0.205	0.107
Heptane	3.21	0.0820
cis-1,3-Dichloropropene	U	0.0908
Methyl Isobutyl Ketone	1.52	0.0819
trans-1,3-Dichloropropene	U	0.0908
1,1,2-Trichloroethane	U	0.109
Toluene	2.09	0.0754
2-Hexanone	U	0.181
Dibromochloromethane	U	0.170
1,2-Dibromoethane	U	0.154
Tetrachloroethene	0.379	0.136
Chlorobenzene	U	0.0921
Ethylbenzene	0.221	0.0868
m&p-Xylene	0.789	0.0868
Bromoform	U	0.207
Styrene	U	0.255
1,1,2,2-Tetrachloroethane	U	0.137
o-Xylene	0.305	0.0868
p-Ethyltoluene	U	0.0983
1,3,5-Trimethylbenzene	U	0.0983
1,2,4-Trimethylbenzene	U	0.259
1,3-Dichlorobenzene	U	0.120
1,4-Dichlorobenzene	U	0.120
1,2-Dichlorobenzene	U	0.120
Naphthalene	U	0.244

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:		R503003-36		R503003-21		R503003-22	
Sample Number		M. Blank 031815-01		262-0036		262-0021	
Sample Location		N/A		CBES-TB		CBES-IA13	
Sublocation		N/A		Blank		Music/Art Rm 123	
Analyte	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3
Propylene	U	0.344	U	0.344	2.06	0.344	1.96
Dichlorodifluoromethane	U	0.0989	U	0.0989	1.45	0.0989	2.01
Chloromethane	U	0.0413	U	0.0413	1.31	0.0413	1.42
Dichlorotetrafluoroethane	U	0.140	U	0.140	U	0.140	U
Vinyl Chloride	U	0.0511	U	0.0511	U	0.0511	U
1,3-Butadiene	U	0.0442	U	0.0442	U	0.0442	U
Bromomethane	U	0.0777	U	0.0777	U	0.0777	U
Chloroethane	U	0.0528	U	0.0528	U	0.0528	U
Acetone	U	1.19	1.21	1.19	15.5	1.19	13.0
Trichlorofluoromethane	U	0.112	U	0.112	1.35	0.112	1.44
Isopropyl Alcohol	U	1.23	U	1.23	1.57	1.23	U
1,1-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U
Methylene Chloride	U	0.0695	U	0.0695	0.324	0.0695	0.406
Trichlorotrifluoroethane	U	0.153	U	0.153	0.562	0.153	0.574
trans-1,2-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	0.114
1,1-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U
MTBE	U	0.0721	U	0.0721	U	0.0721	U
Vinyl Acetate	U	0.0704	U	0.0704	U	0.0704	U
2-Butanone	U	0.0590	U	0.0590	0.649	0.0590	0.559
cis-1,2-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U
Ethyl Acetate	U	0.0721	U	0.0721	U	0.0721	U
Hexane	U	0.0705	U	0.0705	1.15	0.0705	0.532
Chloroform	U	0.0977	U	0.0977	U	0.0977	U
Tetrahydrofuran	U	0.0590	U	0.0590	0.234	0.0590	0.183
1,2-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U
1,1,1-Trichloroethane	U	0.109	U	0.109	U	0.109	U
Benzene	U	0.0639	U	0.0639	0.715	0.0639	0.782
Carbon Tetrachloride	U	0.126	U	0.126	0.501	0.126	0.512
Cyclohexane	U	0.0688	U	0.0688	0.268	0.0688	0.0877
1,2-Dichloropropane	U	0.0924	U	0.0924	U	0.0924	U
1,4-Dioxane	U	0.0721	U	0.0721	U	0.0721	U
Trichloroethene	U	0.107	U	0.107	0.115	0.107	0.172
Heptane	U	0.0820	U	0.0820	0.520	0.0820	0.731
cis-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U
Methyl Isobutyl Ketone	U	0.0819	0.238	0.0819	U	0.0819	U
trans-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U
1,1,2-Trichloroethane	U	0.109	U	0.109	U	0.109	U
Toluene	U	0.0754	U	0.0754	1.46	0.0754	1.60
2-Hexanone	U	0.0819	0.254	0.0819	U	0.0819	U
Dibromochloromethane	U	0.170	U	0.170	U	0.170	U
1,2-Dibromoethane	U	0.154	U	0.154	U	0.154	U
Tetrachloroethene	U	0.136	U	0.136	0.272	0.136	0.539
Chlorobenzene	U	0.0921	U	0.0921	U	0.0921	U
Ethylbenzene	U	0.0868	U	0.0868	0.204	0.0868	0.167
m&p-Xylene	U	0.0868	U	0.0868	0.689	0.0868	0.593
Bromoform	U	0.207	U	0.207	U	0.207	U
Styrene	U	0.0852	0.0857	0.0852	U	0.0956	U
1,1,2,2-Tetrachloroethane	U	0.137	0.208	0.137	U	0.137	U
o-Xylene	U	0.0868	U	0.0868	0.259	0.0868	0.242
p-Ethyltoluene	U	0.0983	U	0.0983	0.139	0.0983	U
1,3,5-Trimethylbenzene	U	0.0983	U	0.0983	0.132	0.0983	U
1,2,4-Trimethylbenzene	U	0.0983	0.119	0.0983	U	0.481	U
1,3-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U
1,4-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U
1,2-Dichlorobenzene	U	0.120	0.157	0.120	U	0.120	U
Naphthalene	U	0.105	0.153	0.105	U	0.105	U

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-23	R503003-24	R503003-25	R503003-26
Sample Number	262-0023	262-0024	262-0025	262-0026
Sample Location	CBES-IA15	CBES-IA16	CBES-CS1	CBES-CS2
Sublocation	Kindergarten Rm 122	Music Rm 121	Basement CS 1	Basement CS 2

Analyte	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3
Propylene	1.75	0.344	1.64	0.344	1.21	0.344	0.596	0.344
Dichlorodifluoromethane	1.54	0.0989	1.57	0.0989	1.61	0.0989	1.63	0.0989
Chloromethane	1.38 J	0.0413	1.35 J	0.0413	0.856 J	0.0413	0.384 J	0.0413
Dichlorotetrafluoroethane	U	0.140	U	0.140	U	0.140	U	0.140
Vinyl Chloride	U	0.0511	U	0.0511	U	0.0511	U	0.0511
1,3-Butadiene	U	0.0442	U	0.0442	U	0.0442	U	0.0442
Bromomethane	U	0.0777	U	0.0777	U	0.0777	U	0.0777
Chloroethane	U	0.0528	U	0.0528	U	0.0528	U	0.0528
Acetone	6.89	1.19	6.20	1.19	U	5.63	U	1.93
Trichlorofluoromethane	1.37	0.112	1.39	0.112	1.69	0.112	1.55	0.112
Isopropyl Alcohol	U	1.23	U	1.23	U	1.23	U	1.23
1,1-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
Methylene Chloride	0.357	0.0695	0.391	0.0695	0.229	0.0695	0.180	0.0695
Trichlorotrifluoroethane	0.600	0.153	0.553	0.153	0.580	0.153	0.577	0.153
trans-1,2-Dichloroethene	0.0912	0.0793	0.0895	0.0793	U	0.0793	U	0.0793
1,1-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U	0.0809
MTBE	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Vinyl Acetate	U	0.0704	U	0.0704	U	0.0704	U	0.0704
2-Butanone	0.501	0.0590	0.567	0.0590	0.577	0.0590	0.148	0.0590
cis-1,2-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
Ethyl Acetate	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Hexane	0.531	0.0705	0.490	0.0705	0.408	0.0705	0.163	0.0705
Chloroform	U	0.0977	U	0.0977	0.211	0.0977	0.182	0.0977
Tetrahydrofuran	0.252	0.0590	0.260	0.0590	0.144	0.0590	0.0759	0.0590
1,2-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U	0.0809
1,1,1-Trichloroethane	U	0.109	U	0.109	0.546	0.109	0.745	0.109
Benzene	0.729	0.0639	0.728	0.0639	0.380	0.0639	0.220	0.0639
Carbon Tetrachloride	0.507	0.126	0.512	0.126	0.525	0.126	0.515	0.126
Cyclohexane	0.141	0.0688	0.0774	0.0688	U	0.0688	U	0.0688
1,2-Dichloropropane	U	0.0924	U	0.0924	U	0.0924	U	0.0924
1,4-Dioxane	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Trichloroethene	0.117	0.107	0.123	0.107	0.181	0.107	0.231	0.107
Heptane	0.313	0.0820	0.301	0.0820	0.293	0.0820	U	0.0820
cis-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U	0.0908
Methyl Isobutyl Ketone	U	0.376	U	0.0819	U	0.209	U	0.0819
trans-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U	0.0908
1,1,2-Trichloroethane	U	0.109	U	0.109	U	0.109	U	0.109
Toluene	1.68	0.0754	1.48	0.0754	0.830	0.0754	0.364	0.0754
2-Hexanone	U	0.0819	U	0.0819	U	0.0819	U	0.0819
Dibromochloromethane	U	0.170	U	0.170	U	0.170	U	0.170
1,2-Dibromoethane	U	0.154	U	0.154	U	0.154	U	0.154
Tetrachloroethene	0.315	0.136	0.282	0.136	0.475	0.136	0.542	0.136
Chlorobenzene	U	0.0921	U	0.0921	U	0.0921	U	0.0921
Ethylbenzene	0.136	0.0868	0.150	0.0868	0.126	0.0868	U	0.0868
m&p-Xylene	0.468	0.0868	0.473	0.0868	0.599	0.0868	0.129	0.0868
Bromoform	U	0.207	U	0.207	U	0.207	U	0.207
Styrene	U	0.0852	U	0.0852	U	0.0852	U	0.0852
1,1,2,2-Tetrachloroethane	U	0.137	U	0.137	U	0.137	U	0.137
o-Xylene	0.206	0.0868	0.206	0.0868	0.198	0.0868	U	0.0868
p-Ethyltoluene	U	0.0983	U	0.0983	U	0.0983	U	0.0983
1,3,5-Trimethylbenzene	U	0.0983	U	0.0983	U	0.0983	U	0.0983
1,2,4-Trimethylbenzene	U	0.162	U	0.183	U	0.104	U	0.0983
1,3-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
1,4-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
1,2-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
Naphthalene	U	0.105	U	0.124	1.59 J	0.105	U	0.105

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-11		R503003-12		R503003-13		R503003-16	
Sample Number	262-0011		262-0012		262-0013		262-0016	
Sample Location	CBES-IA3		CBES-IA4		CBES-IA5		CBES-IA8	
Sublocation	Office/Workroom		Library Rm 100		Girls Toilet		Nurse Rm 107	
	Results	RL	Results	RL	Results	RL	Results	RL
Analyte	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
Propylene	1.87	0.344	1.73	0.344	1.61	0.344	1.68	0.344
Dichlorodifluoromethane	2.05	0.0989	1.42	0.0989	1.68	0.0989	1.51	0.0989
Chloromethane	1.57 J	0.0413	1.36 J	0.0413	1.23 J	0.0413	1.38 J	0.0413
Dichlorotetrafluoroethane	U	0.140	U	0.140	U	0.140	U	0.140
Vinyl Chloride	U	0.0511	U	0.0511	U	0.0511	U	0.0511
1,3-Butadiene	U	0.0442	U	0.0442	U	0.0442	U	0.0442
Bromomethane	U	0.0777	U	0.0777	U	0.0777	U	0.0777
Chloroethane	U	0.0528	U	0.0528	U	0.0528	U	0.0528
Acetone	7.45	1.19	8.43	1.19	U	5.28	U	5.58
Trichlorofluoromethane	1.45	0.112	1.32	0.112	1.40	0.112	1.42	0.112
Isopropyl Alcohol	U	1.23	U	1.23	3.49	1.23	U	1.23
1,1-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
Methylene Chloride	0.361	0.0695	0.348	0.0695	0.323	0.0695	0.330	0.0695
Trichlorotrifluoroethane	0.595	0.153	0.568	0.153	0.584	0.153	0.557	0.153
trans-1,2-Dichloroethene	0.0887	0.0793	U	0.0793	0.0842	0.0793	0.105	0.0793
1,1-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U	0.0809
MTBE	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Vinyl Acetate	U	0.0704	U	0.0704	U	0.0704	U	0.0704
2-Butanone	0.425	0.0590	0.537	0.0590	0.450	0.0590	0.318	0.0590
cis-1,2-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
Ethyl Acetate	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Hexane	0.468	0.0705	0.684	0.0705	0.378	0.0705	0.628	0.0705
Chloroform	U	0.0977	U	0.0977	0.107	0.0977	0.105	0.0977
Tetrahydrofuran	0.117	0.0590	0.842	0.0590	U	0.0590	0.243	0.0590
1,2-Dichloroethane	U	0.0809	U	0.0809	0.0977	0.0809	0.374	0.0809
1,1,1-Trichloroethane	U	0.109	U	0.109	U	0.109	U	0.109
Benzene	0.734	0.0639	0.703	0.0639	0.653	0.0639	0.722	0.0639
Carbon Tetrachloride	0.529	0.126	0.491	0.126	0.520	0.126	0.527	0.126
Cyclohexane	0.211	0.0688	U	0.0688	0.0880	0.0688	0.170	0.0688
1,2-Dichloropropane	U	0.0924	U	0.0924	U	0.0924	U	0.0924
1,4-Dioxane	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Trichloroethene	0.204	0.107	0.124	0.107	U	0.107	0.177	0.107
Heptane	1.13	0.0820	0.368	0.0820	0.631	0.0820	0.751	0.0820
cis-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U	0.0908
Methyl Isobutyl Ketone	U	0.794	U	0.0819	U	0.546	U	0.182
trans-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U	0.0908
1,1,2-Trichloroethane	U	0.109	U	0.109	U	0.109	U	0.109
Toluene	2.19	0.0754	3.17	0.0754	1.30	0.0754	1.81	0.0754
2-Hexanone	U	0.0819	U	0.0819	U	0.0819	U	0.0819
Dibromochloromethane	U	0.170	U	0.170	U	0.170	U	0.170
1,2-Dibromoethane	U	0.154	U	0.154	U	0.154	U	0.154
Tetrachloroethene	0.350	0.136	0.288	0.136	0.311	0.136	0.593	0.136
Chlorobenzene	U	0.0921	U	0.0921	U	0.0921	U	0.0921
Ethylbenzene	0.181	0.0868	0.166	0.0868	0.131	0.0868	0.146	0.0868
m&p-Xylene	0.540	0.0868	0.538	0.0868	0.447	0.0868	0.481	0.0868
Bromoform	U	0.207	U	0.207	U	0.207	U	0.207
Styrene	U	0.214	U	0.102	U	0.0852	U	0.138
1,1,2,2-Tetrachloroethane	U	0.137	U	0.137	U	0.137	U	0.137
o-Xylene	0.253	0.0868	0.240	0.0868	0.188	0.0868	0.223	0.0868
p-Ethyltoluene	U	0.0983	U	0.0983	U	0.0983	U	0.0983
1,3,5-Trimethylbenzene	U	0.0983	U	0.0983	U	0.0983	U	0.0983
1,2,4-Trimethylbenzene	U	0.225	U	0.279	U	0.155	U	0.176
1,3-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
1,4-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
1,2-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
Naphthalene	U	0.149	U	0.157	U	0.105	U	0.108

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-17	R503003-18	R503003-19	R503003-20
Sample Number	262-0017	262-0018	262-0019	262-0020
Sample Location	CBES-IA9	CBES-IA10	CBES-IA11	CBES-IA12
Sublocation	Corridor/Rm 107	Multipurpose Rm 111	Storage	Cafeteria Rm 113

Analyte	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3
Propylene	1.73	0.344	1.29	0.344	2.32	0.344	1.77	0.344
Dichlorodifluoromethane	1.72	0.0989	2.18	0.0989	1.72	0.0989	1.60	0.0989
Chloromethane	1.35 J	0.0413	1.75 J	0.0413	1.36 J	0.0413	1.38 J	0.0413
Dichlorotetrafluoroethane	U	0.140	0.143	0.140	U	0.140	U	0.140
Vinyl Chloride	U	0.0511	U	0.0511	U	0.0511	U	0.0511
1,3-Butadiene	U	0.0442	U	0.0442	U	0.0442	U	0.0442
Bromomethane	U	0.0777	U	0.0777	U	0.0777	U	0.0777
Chloroethane	U	0.0528	U	0.0528	U	0.0528	U	0.0528
Acetone	U	3.29	6.19	1.19	9.85	1.19	7.91	1.19
Trichlorofluoromethane	1.43	0.112	1.69	0.112	1.41	0.112	1.32	0.112
Isopropyl Alcohol	U	1.23	U	1.23	U	1.23	U	1.23
1,1-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
Methylene Chloride	0.339	0.0695	0.428	0.0695	0.345	0.0695	0.333	0.0695
Trichlorotrifluoroethane	0.630	0.153	0.717	0.153	0.594	0.153	0.532	0.153
trans-1,2-Dichloroethene	0.0809	0.0793	U	0.0793	U	0.0793	0.0895	0.0793
1,1-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U	0.0809
MTBE	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Vinyl Acetate	U	0.0704	U	0.0704	U	0.0704	U	0.0704
2-Butanone	0.156	0.0590	0.437	0.0590	0.746	0.0590	0.697	0.0590
cis-1,2-Dichloroethene	U	0.0793	U	0.0793	U	0.0793	U	0.0793
Ethyl Acetate	U	0.0721	0.0833	0.0721	U	0.0721	U	0.0721
Hexane	0.450	0.0705	0.372	0.0705	0.680	0.0705	U	0.0705
Chloroform	0.109	0.0977	0.188	0.0977	0.103	0.0977	U	0.0977
Tetrahydrofuran	0.0788	0.0590	0.213	0.0590	0.157	0.0590	0.182	0.0590
1,2-Dichloroethane	U	0.0809	U	0.0809	U	0.0809	U	0.0809
1,1,1-Trichloroethane	U	0.109	U	0.109	U	0.109	U	0.109
Benzene	0.687	0.0639	0.683	0.0639	0.735	0.0639	0.717	0.0639
Carbon Tetrachloride	0.542	0.126	0.683	0.126	0.522	0.126	0.518	0.126
Cyclohexane	0.0857	0.0688	U	0.0688	0.165	0.0688	U	0.0688
1,2-Dichloropropane	U	0.0924	U	0.0924	U	0.0924	U	0.0924
1,4-Dioxane	U	0.0721	U	0.0721	U	0.0721	U	0.0721
Trichloroethene	0.816	0.107	U	0.107	0.138	0.107	0.130	0.107
Heptane	0.413	0.0820	0.186	0.0820	0.383	0.0820	0.388	0.0820
cis-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U	0.0908
Methyl Isobutyl Ketone	U	0.0819	U	0.0819	U	0.368	U	0.0819
trans-1,3-Dichloropropene	U	0.0908	U	0.0908	U	0.0908	U	0.0908
1,1,2-Trichloroethane	U	0.109	U	0.109	U	0.109	U	0.109
Toluene	1.37	0.0754	0.921	0.0754	1.47	0.0754	1.32	0.0754
2-Hexanone	U	0.0819	U	0.0819	U	0.0819	U	0.0819
Dibromochloromethane	U	0.170	U	0.170	U	0.170	U	0.170
1,2-Dibromoethane	U	0.154	U	0.154	U	0.154	U	0.154
Tetrachloroethene	0.320	0.136	0.149	0.136	0.315	0.136	0.307	0.136
Chlorobenzene	U	0.0921	U	0.0921	U	0.0921	U	0.0921
Ethylbenzene	0.139	0.0868	0.108	0.0868	0.195	0.0868	0.144	0.0868
m&p-Xylene	0.448	0.0868	0.341	0.0868	0.684	0.0868	0.475	0.0868
Bromoform	U	0.207	U	0.207	U	0.207	U	0.207
Styrene	U	0.0852	U	0.0852	U	0.0881	U	0.0852
1,1,2,2-Tetrachloroethane	U	0.137	U	0.137	U	0.137	U	0.137
o-Xylene	0.194	0.0868	0.152	0.0868	0.248	0.0868	0.208	0.0868
p-Ethyltoluene	U	0.0983	U	0.0983	0.111	0.0983	0.104	0.0983
1,3,5-Trimethylbenzene	U	0.0983	U	0.0983	U	0.0983	U	0.0983
1,2,4-Trimethylbenzene	U	0.161	U	0.131	U	0.198	U	0.163
1,3-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
1,4-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
1,2-Dichlorobenzene	U	0.120	U	0.120	U	0.120	U	0.120
Naphthalene	U	0.105	U	0.105	U	0.106	U	0.105

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:		R503003-27	R503003-09	R503003-10
Sample Number	M. Blank 031915-01	262-0027	262-0009	262-0010
Sample Location	N/A	CBES-CS3	CBES-IA1	CBES-IA2
Sublocation	N/A	Basement-CS 3	Basement Stair	Mech Room

Analyte	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3
Propylene	U	0.344	U	1.72	U	1.72	1.88	1.72
Dichlorodifluoromethane	U	0.0989	2.83	0.495	2.69	0.495	2.63	0.495
Chloromethane	U	0.0413	0.620	0.207	0.529	0.207	1.26	0.207
Dichlorotetrafluoroethane	U	0.140	U	0.699	U	0.699	U	0.699
Vinyl Chloride	U	0.0511	U	0.256	U	0.256	U	0.256
1,3-Butadiene	U	0.0442	U	0.221	U	0.221	U	0.221
Bromomethane	U	0.0777	U	0.388	U	0.388	U	0.388
Chloroethane	U	0.0528	U	0.264	U	0.264	U	0.264
Acetone	U	1.19	6.48	5.94	U	5.94	6.94	5.94
Trichlorofluoromethane	U	0.112	1.45	0.562	1.50	0.562	1.41	0.562
Isopropyl Alcohol	U	1.23	U	6.15	U	6.15	U	6.15
1,1-Dichloroethene	U	0.0793	U	0.396	U	0.396	U	0.396
Methylene Chloride	U	0.0695	0.366	0.347	U	0.347	0.452	0.347
Trichlorotrifluoroethane	U	0.153	U	0.766	U	0.766	U	0.766
trans-1,2-Dichloroethene	U	0.0793	U	0.396	U	0.396	U	0.396
1,1-Dichloroethane	U	0.0809	U	0.405	U	0.405	U	0.405
MTBE	U	0.0721	U	0.361	U	0.361	U	0.361
Vinyl Acetate	U	0.0704	U	0.352	0.817	0.352	U	0.352
2-Butanone	U	0.0590	0.679	0.295	U	0.295	U	0.295
cis-1,2-Dichloroethene	U	0.0793	U	0.396	U	0.396	U	0.396
Ethyl Acetate	U	0.0721	U	0.360	U	0.360	U	0.360
Hexane	U	0.0705	U	0.352	U	0.352	0.355	0.352
Chloroform	U	0.0977	0.0752 J	0.488	0.213 J	0.488	U	0.488
Tetrahydrofuran	U	0.0590	U	0.295	U	0.295	U	0.295
1,2-Dichloroethane	U	0.0809	U	0.405	U	0.405	U	0.405
1,1,1-Trichloroethane	U	0.109	U	0.546	U	0.546	U	0.546
Benzene	U	0.0639	0.465	0.319	U	0.319	0.694	0.319
Carbon Tetrachloride	U	0.126	0.547 J	0.629	0.595 J	0.629	0.588 J	0.629
Cyclohexane	U	0.0688	U	0.344	U	0.344	U	0.344
1,2-Dichloropropane	U	0.0924	U	0.462	U	0.462	U	0.462
1,4-Dioxane	U	0.0721	U	0.360	U	0.360	U	0.360
Trichloroethene	U	0.107	0.245 J	0.537	0.307 J	0.537	U	0.537
Heptane	U	0.0820	U	0.410	U	0.410	U	0.410
cis-1,3-Dichloropropene	U	0.0908	U	0.454	U	0.454	U	0.454
Methyl Isobutyl Ketone	U	0.0819	U	0.410	U	0.410	U	0.410
trans-1,3-Dichloropropene	U	0.0908	U	0.454	U	0.454	U	0.454
1,1,2-Trichloroethane	U	0.109	U	0.546	U	0.546	U	0.546
Toluene	U	0.0754	0.783	0.377	0.491	0.377	0.967	0.377
2-Hexanone	U	0.0819	U	0.410	U	0.410	U	0.410
Dibromochloromethane	U	0.170	U	0.852	U	0.852	U	0.852
1,2-Dibromoethane	U	0.154	U	0.768	U	0.768	U	0.768
Tetrachloroethene	U	0.136	U	0.678	U	0.678	U	0.678
Chlorobenzene	U	0.0921	U	0.460	U	0.460	U	0.460
Ethylbenzene	U	0.0868	U	0.434	U	0.434	U	0.434
m&p-Xylene	U	0.0868	U	0.434	U	0.434	U	0.434
Bromoform	U	0.207	U	1.03	U	1.03	U	1.03
Styrene	U	0.0852	U	0.426	U	0.426	U	0.426
1,1,2,2-Tetrachloroethane	U	0.137	U	0.687	U	0.687	U	0.687
o-Xylene	U	0.0868	U	0.434	U	0.434	U	0.434
p-Ethyltoluene	U	0.0983	U	0.492	U	0.492	U	0.492
1,3,5-Trimethylbenzene	U	0.0983	U	0.492	U	0.492	U	0.492
1,2,4-Trimethylbenzene	U	0.0983	U	0.492	U	0.492	U	0.492
1,3-Dichlorobenzene	U	0.120	U	0.601	U	0.601	U	0.601
1,4-Dichlorobenzene	U	0.120	0.233 J	0.601	U	0.601	U	0.601
1,2-Dichlorobenzene	U	0.120	U	0.601	U	0.601	U	0.601
Naphthalene	U	0.105	U	0.667	U	0.524	U	0.524

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-14	R503003-15	R503003-28	R503003-29
Sample Number	262-0014	262-0015	262-0028	262-0029
Sample Location	CBES-IA6	CBES-IA7	CBES-CS4	CBES-CS5
Sublocation	Classroom Rm 101	Faculty Rm 103	Office CS	Girls Toilet Wall Panel

Analyte	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3
Propylene	U	1.72	1.89	1.72	1.17	0.344	1.85	1.72
Dichlorodifluoromethane	2.36	0.495	2.75	0.495	1.79	0.0989	2.81	0.495
Chloromethane	1.19	0.207	1.21	0.207	0.422	0.0413	1.22	0.207
Dichlorotetrafluoroethane	U	0.699	U	0.699	U	0.140	U	0.699
Vinyl Chloride	U	0.256	U	0.256	U	0.0511	U	0.256
1,3-Butadiene	U	0.221	U	0.221	U	0.0442	U	0.221
Bromomethane	U	0.388	U	0.388	U	0.0777	U	0.388
Chloroethane	U	0.264	U	0.264	U	0.0528	U	0.264
Acetone	7.80	5.94	14.4	5.94	U	4.93	11.0	5.94
Trichlorofluoromethane	1.19	0.562	2.30	0.562	1.42	0.112	1.44	0.562
Isopropyl Alcohol	U	6.15	U	6.15	U	1.23	15.4	6.15
1,1-Dichloroethene	U	0.396	U	0.396	U	0.0793	U	0.396
Methylene Chloride	U	0.347	0.468	0.347	0.195	0.0695	U	0.347
Trichlorotrifluoroethane	U	0.766	U	0.766	0.584	0.153	U	0.766
trans-1,2-Dichloroethene	U	0.396	U	0.396	0.0976	0.0793	U	0.396
1,1-Dichloroethane	U	0.405	U	0.405	U	0.0809	U	0.405
MTBE	U	0.361	U	0.361	U	0.0721	U	0.361
Vinyl Acetate	U	0.352	U	0.352	0.413	0.0704	U	0.352
2-Butanone	U	0.295	0.782	0.295	0.371	0.0590	0.783	0.295
cis-1,2-Dichloroethene	U	0.396	U	0.396	U	0.0793	U	0.396
Ethyl Acetate	U	0.360	2.60	0.360	U	0.0721	U	0.360
Hexane	U	0.352	0.692	0.352	0.246	0.0705	0.383	0.352
Chloroform	U	0.488	U	0.488	U	0.0977	U	0.488
Tetrahydrofuran	U	0.295	0.783	0.295	0.339	0.0590	U	0.295
1,2-Dichloroethane	U	0.405	U	0.405	U	0.0809	U	0.405
1,1,1-Trichloroethane	U	0.546	U	0.546	5.45	0.109	U	0.546
Benzene	0.591	0.319	0.749	0.319	0.230	0.0639	0.714	0.319
Carbon Tetrachloride	0.495	0.629	0.568	0.629	0.528	0.126	0.561	0.629
Cyclohexane	U	0.344	U	0.344	U	0.0688	U	0.344
1,2-Dichloropropane	U	0.462	U	0.462	U	0.0924	U	0.462
1,4-Dioxane	U	0.360	U	0.360	U	0.0721	U	0.360
Trichloroethene	U	0.537	0.162	0.537	0.185	0.107	0.313	0.537
Heptane	U	0.410	U	0.410	0.164	0.0820	0.605	0.410
cis-1,3-Dichloropropene	U	0.454	U	0.454	U	0.0908	U	0.454
Methyl Isobutyl Ketone	U	0.410	U	0.410	U	0.226	U	0.410
trans-1,3-Dichloropropene	U	0.454	U	0.454	U	0.0908	U	0.454
1,1,2-Trichloroethane	U	0.546	U	0.546	U	0.109	U	0.546
Toluene	0.751	0.377	1.65	0.377	0.738	0.0754	1.21	0.377
2-Hexanone	U	0.410	U	0.410	U	0.0819	U	0.410
Dibromochloromethane	U	0.852	U	0.852	U	0.170	U	0.852
1,2-Dibromoethane	U	0.768	U	0.768	U	0.154	U	0.768
Tetrachloroethene	U	0.678	U	0.678	0.360	0.136	U	0.678
Chlorobenzene	U	0.460	U	0.460	U	0.0921	U	0.460
Ethylbenzene	U	0.434	U	0.434	0.175	0.0868	U	0.434
m&p-Xylene	U	0.434	0.446	0.434	0.637	0.0868	U	0.434
Bromoform	U	1.03	U	1.03	U	0.207	U	1.03
Styrene	U	0.426	U	0.426	U	0.0852	U	0.426
1,1,2,2-Tetrachloroethane	U	0.687	U	0.687	U	0.137	U	0.687
o-Xylene	U	0.434	U	0.434	0.264	0.0868	U	0.434
p-Ethyltoluene	U	0.492	U	0.492	U	0.0983	U	0.492
1,3,5-Trimethylbenzene	U	0.492	U	0.492	U	0.0983	U	0.492
1,2,4-Trimethylbenzene	U	0.492	U	0.492	U	0.102	U	0.492
1,3-Dichlorobenzene	U	0.601	U	0.601	U	0.120	U	0.601
1,4-Dichlorobenzene	U	0.601	U	0.601	U	0.120	U	0.601
1,2-Dichlorobenzene	U	0.601	U	0.601	U	0.120	U	0.601
Naphthalene	U	0.524	U	0.524	U	0.105	U	0.524

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP#1814

SERAS Sample Number:	R503003-01	R503003-04
Sample Number	262-0001	262-0004
Sample Location	CBES-SS1	CBES-SS4
Sublocation	Basement Stair	Cafeteria Rm 113

Analyte	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3
Propylene	1.51	0.344	4.62	0.344
Dichlorodifluoromethane	1.24	0.0989	1.45	0.0989
Chloromethane	0.134	0.0413	0.175	0.0413
Dichlorotetrafluoroethane	0.424	0.140	U	0.140
Vinyl Chloride	U	0.0511	U	0.0511
1,3-Butadiene	U	0.0442	U	0.0442
Bromomethane	U	0.0777	U	0.0777
Chloroethane	U	0.0528	U	0.0528
Acetone	58.7	29.8	20.1	1.19
Trichlorofluoromethane	1.63	0.112	1.56	0.112
Isopropyl Alcohol	1.93	1.23	2.31	1.23
1,1-Dichloroethene	U	0.0793	U	0.0793
Methylene Chloride	0.121	0.0695	U	0.0695
Trichlorotrifluoroethane	0.569	0.153	0.559	0.153
trans-1,2-Dichloroethene	U	0.0793	U	0.0793
1,1-Dichloroethane	U	0.0809	U	0.0809
MTBE	U	0.0721	U	0.0721
Vinyl Acetate	U	0.0704	0.641	0.0704
2-Butanone	8.47	0.0590	2.77	0.0590
cis-1,2-Dichloroethene	0.165	0.0793	U	0.0793
Ethyl Acetate	U	0.0721	U	0.0721
Hexane	0.210	0.0705	0.235	0.0705
Chloroform	8.08	0.0977	0.102	0.0977
Tetrahydrofuran	U	0.0590	U	0.0590
1,2-Dichloroethane	U	0.0809	U	0.0809
1,1,1-Trichloroethane	0.284	0.109	U	0.109
Benzene	0.320	0.0639	0.361	0.0639
Carbon Tetrachloride	0.235	0.126	0.447	0.126
Cyclohexane	U	0.0688	U	0.0688
1,2-Dichloropropane	U	0.0924	U	0.0924
1,4-Dioxane	U	0.0721	U	0.0721
Trichloroethene	34.3	0.107	0.450	0.107
Heptane	0.303	0.0820	0.234	0.0820
cis-1,3-Dichloropropene	U	0.0908	U	0.0908
Methyl Isobutyl Ketone	U	0.877	U	0.179
trans-1,3-Dichloropropene	U	0.0908	U	0.0908
1,1,2-Trichloroethane	U	0.109	U	0.109
Toluene	0.731	0.0754	0.649	0.0754
2-Hexanone	1.52	0.0819	U	0.436
Dibromochloromethane	0.403	0.170	U	0.170
1,2-Dibromoethane	U	0.154	U	0.154
Tetrachloroethene	13.8	0.136	2.00	0.136
Chlorobenzene	0.380	0.0921	U	0.0921
Ethylbenzene	0.143	0.0868	0.137	0.0868
m&p-Xylene	0.486	0.0868	0.280	0.0868
Bromoform	U	0.207	U	0.207
Styrene	U	0.0888	0.480	0.0852
1,1,2,2-Tetrachloroethane	U	0.137	U	0.137
o-Xylene	0.201	0.0868	0.147	0.0868
p-Ethyltoluene	U	0.0983	U	0.0983
1,3,5-Trimethylbenzene	U	0.0983	U	0.0983
1,2,4-Trimethylbenzene	U	0.216	U	0.128
1,3-Dichlorobenzene	U	0.120	U	0.120
1,4-Dichlorobenzene	0.872	0.120	0.830	0.120
1,2-Dichlorobenzene	U	0.120	U	0.120
Naphthalene	0.948	0.105	3.12	0.105

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	P.Sys/M. Blank 032215-01	R503003-02	R503003-03	R503003-05
Sample Number		262-0002	262-0003	262-0005
Sample Location	N/A	CBES-SS2	CBES-SS3	CBES-SS5
Sublocation	N/A	Mech Room	Storage	Music/Art Rm 123

Analyte	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3
Propylene	U	0.344	31.5	1.72	U	1.72	U	1.72
Dichlorodifluoromethane	U	0.0989	2.36	0.495	2.42	0.495	2.64	0.495
Chloromethane	U	0.0413	U	0.207	U	0.207	U	0.207
Dichlorotetrafluoroethane	U	0.140	U	0.699	U	0.699	U	0.699
Vinyl Chloride	U	0.0511	U	0.256	U	0.256	U	0.256
1,3-Butadiene	U	0.0442	U	0.221	U	0.221	U	0.221
Bromomethane	U	0.0777	U	0.388	U	0.388	U	0.388
Chloroethane	U	0.0528	U	0.264	U	0.264	U	0.264
Acetone	U	1.19	371 J	29.8	8.56	5.94	9.62	5.94
Trichlorofluoromethane	U	0.112	10.0	0.562	1.71	0.562	1.47	0.562
Isopropyl Alcohol	U	1.23	10.1	6.15	U	6.15	U	6.15
1,1-Dichloroethene	U	0.0793	U	0.396	U	0.396	U	0.396
Methylene Chloride	U	0.0695	U	0.347	U	0.347	U	0.347
Trichlorotrifluoroethane	U	0.153	U	0.766	U	0.766	U	0.766
trans-1,2-Dichloroethene	U	0.0793	U	0.396	U	0.396	U	0.396
1,1-Dichloroethane	U	0.0809	U	0.405	U	0.405	U	0.405
MTBE	U	0.0721	U	0.361	U	0.361	U	0.361
Vinyl Acetate	U	0.0704	20.0	0.352	U	0.352	U	0.352
2-Butanone	U	0.0590	10.5	0.295	0.764	0.295	0.947	0.295
cis-1,2-Dichloroethene	U	0.0793	U	0.396	U	0.396	U	0.396
Ethyl Acetate	U	0.0721	U	0.360	U	0.360	U	0.360
Hexane	U	0.0705	38.5	0.352	U	0.352	U	0.352
Chloroform	U	0.0977	2.85	0.488	U	0.488	U	0.488
Tetrahydrofuran	U	0.0590	U	0.295	U	0.295	U	0.295
1,2-Dichloroethane	U	0.0809	U	0.405	U	0.405	U	0.405
1,1,1-Trichloroethane	U	0.109	U	0.546	U	0.546	U	0.546
Benzene	U	0.0639	5.49	0.319	U	0.319	U	0.319
Carbon Tetrachloride	U	0.126	U	0.629	U	0.629	U	0.629
Cyclohexane	U	0.0688	U	0.344	U	0.344	U	0.344
1,2-Dichloropropane	U	0.0924	U	0.462	U	0.462	U	0.462
1,4-Dioxane	U	0.0721	U	0.360	U	0.360	U	0.360
Trichloroethene	U	0.107	18.2	0.537	U	0.537	U	0.537
Heptane	U	0.0820	21.9	0.410	U	0.410	U	0.410
cis-1,3-Dichloropropene	U	0.0908	U	0.454	U	0.454	U	0.454
Methyl Isobutyl Ketone	U	0.0819	17.3	0.410	U	0.410	U	0.410
trans-1,3-Dichloropropene	U	0.0908	U	0.454	U	0.454	U	0.454
1,1,2-Trichloroethane	U	0.109	U	0.546	U	0.546	U	0.546
Toluene	U	0.0754	7.49	0.377	U	0.377	U	0.377
2-Hexanone	U	0.0819	2.73	0.410	U	0.410	U	0.410
Dibromochloromethane	U	0.170	U	0.852	U	0.852	U	0.852
1,2-Dibromoethane	U	0.154	U	0.768	U	0.768	U	0.768
Tetrachloroethene	U	0.136	5.73	0.678	7.87	0.678	0.972	0.678
Chlorobenzene	U	0.0921	U	0.460	U	0.460	U	0.460
Ethylbenzene	U	0.0868	3.49	0.434	U	0.434	U	0.434
m&p-Xylene	U	0.0868	2.61	0.434	U	0.434	U	0.434
Bromoform	U	0.207	U	1.03	U	1.03	U	1.03
Styrene	U	0.0852	U	0.426	U	0.426	U	0.426
1,1,2,2-Tetrachloroethane	U	0.137	U	0.687	U	0.687	U	0.687
o-Xylene	U	0.0868	1.49	0.434	U	0.434	U	0.434
p-Ethyltoluene	U	0.0983	0.656	0.492	U	0.492	U	0.492
1,3,5-Trimethylbenzene	U	0.0983	U	0.492	U	0.492	U	0.492
1,2,4-Trimethylbenzene	U	0.0983	0.689	0.492	U	0.492	U	0.492
1,3-Dichlorobenzene	U	0.120	U	0.601	U	0.601	U	0.601
1,4-Dichlorobenzene	U	0.120	0.890	0.601	0.702	0.601	U	0.601
1,2-Dichlorobenzene	U	0.120	U	0.601	U	0.601	U	0.601
Naphthalene	U	0.105	2.15	0.524	U	0.558	U	0.640

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Table 1.1b (cont) Results of the Analysis for VOC (µg/m3) in Air
WA# SERAS- 262, Meadowbrook Avenue site

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Method: SERAS SOP 1814

SERAS Sample Number:	R503003-06	R503003-07	R503003-08
Sample Number	262-0006	262-0007	262-0008
Sample Location	CBES-SS6	CBES-SS7	CBES-SS8
Sublocation	Pre-K Rm 120	Kindergarten Rm 122	Music Rm 121

Analyte	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3	Results µg/m3	RL µg/m3
Propylene	2.09	1.72	U	1.72	U	1.72
Dichlorodifluoromethane	2.23	0.495	2.89	0.495	3.20	0.495
Chloromethane	U	0.207	U	0.207	0.326	0.207
Dichlorotetrafluoroethane	U	0.699	U	0.699	U	0.699
Vinyl Chloride	U	0.256	U	0.256	U	0.256
1,3-Butadiene	U	0.221	U	0.221	U	0.221
Bromomethane	U	0.388	U	0.388	U	0.388
Chloroethane	U	0.264	U	0.264	U	0.264
Acetone	108	5.94	27.6	5.94	34.0	5.94
Trichlorofluoromethane	1.79	0.562	1.71	0.562	1.61	0.562
Isopropyl Alcohol	U	6.15	U	6.15	U	6.15
1,1-Dichloroethene	U	0.396	U	0.396	U	0.396
Methylene Chloride	U	0.347	U	0.347	U	0.347
Trichlorotrifluoroethane	U	0.766	U	0.766	U	0.766
trans-1,2-Dichloroethene	U	0.396	U	0.396	U	0.396
1,1-Dichloroethane	U	0.405	U	0.405	U	0.405
MTBE	U	0.361	U	0.361	U	0.361
Vinyl Acetate	U	0.352	U	0.352	0.590	0.352
2-Butanone	10.7	0.295	2.54	0.295	2.05	0.295
cis-1,2-Dichloroethene	U	0.396	U	0.396	U	0.396
Ethyl Acetate	U	0.360	U	0.360	U	0.360
Hexane	5.42	0.352	1.34	0.352	U	0.352
Chloroform	5.32	0.488	U	0.488	U	0.488
Tetrahydrofuran	U	0.295	U	0.295	U	0.295
1,2-Dichloroethane	U	0.405	U	0.405	U	0.405
1,1,1-Trichloroethane	U	0.546	U	0.546	U	0.546
Benzene	0.789	0.319	0.376	0.319	U	0.319
Carbon Tetrachloride	U	0.629	U	0.629	U	0.629
Cyclohexane	1.14	0.344	U	0.344	U	0.344
1,2-Dichloropropane	U	0.462	U	0.462	U	0.462
1,4-Dioxane	U	0.360	U	0.360	U	0.360
Trichloroethene	25.5	0.537	U	0.537	0.558	0.537
Heptane	7.56	0.410	1.71	0.410	U	0.410
cis-1,3-Dichloropropene	U	0.454	U	0.454	U	0.454
Methyl Isobutyl Ketone	1.54	0.410	U	0.550	U	0.410
trans-1,3-Dichloropropene	U	0.454	U	0.454	U	0.454
1,1,2-Trichloroethane	U	0.546	U	0.546	U	0.546
Toluene	3.92	0.377	1.32	0.377	0.754	0.377
2-Hexanone	2.90	0.410	U	0.830	U	0.410
Dibromochloromethane	U	0.852	U	0.852	U	0.852
1,2-Dibromoethane	U	0.768	U	0.768	U	0.768
Tetrachloroethene	163	0.678	10.9	0.678	6.32	0.678
Chlorobenzene	U	0.460	U	0.460	U	0.460
Ethylbenzene	22.6	0.434	3.47	0.434	U	0.434
m&p-Xylene	5.55	0.434	1.21	0.434	U	0.434
Bromoform	U	1.03	U	1.03	U	1.03
Styrene	0.442	0.426	U	0.426	U	0.426
1,1,2,2-Tetrachloroethane	U	0.687	U	0.687	U	0.687
o-Xylene	5.82	0.434	1.03	0.434	U	0.434
p-Ethyltoluene	2.11	0.492	U	0.492	U	0.492
1,3,5-Trimethylbenzene	2.90	0.492	U	0.492	U	0.492
1,2,4-Trimethylbenzene	11.1	0.492	1.36	0.492	U	0.492
1,3-Dichlorobenzene	U	0.601	U	0.601	U	0.601
1,4-Dichlorobenzene	0.905	0.601	0.745	0.601	0.834	0.601
1,2-Dichlorobenzene	U	0.601	U	0.601	U	0.601
Naphthalene	207	0.524	64.2	0.524	3.34	0.524

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Table 2.1 Results of the LCS Analysis for VOC in Air
WA# 0-262, Meadowbrook Avenue

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Sample ID: LCS: 03/17/15

Analyte	LCS	LCS	% Recovery	QC Limits % Recovery
	Spike Amount ppbv	Recovered ppbv		
Propylene	1.00	1.09	109	73 - 125
Dichlorodifluoromethane	1.00	1.07	107	49 - 137
Chloromethane	1.00	1.22	122	72 - 127
Dichlorotetrafluoroethane	1.00	0.903	90.3	59 - 119
Vinyl Chloride	1.00	1.15	115	75 - 145
1,3-Butadiene	1.00	0.970	97.0	65 - 123
Bromomethane	1.00	1.20	120	72 - 144
Chloroethane	1.00	1.15	115	69 - 143
Acetone	1.00	1.29	129	71 - 165
Trichlorofluoromethane	1.00	1.13	113	62 - 147
Isopropyl Alcohol	1.00	1.08	108	64 - 164
1,1-Dichloroethene	1.00	1.02	102	73 - 130
Methylene Chloride	1.00	1.06	106	71 - 113
Trichlorotrifluoroethane	1.00	1.02	102	64 - 142
trans-1,2-Dichloroethene	1.00	0.952	95.2	74 - 121
1,1-Dichloroethane	1.00	1.05	105	76 - 117
MTBE	1.00	0.911	91.1	55 - 134
Vinyl Acetate	1.00	0.871	87.1	80 - 106
2-Butanone	1.00	1.08	108	75 - 113
cis-1,2-Dichloroethene	1.00	0.945	94.5	72 - 118
Ethyl Acetate	1.00	1.13	113	97 - 122
Hexane	1.00	0.983	98.3	77 - 122
Chloroform	1.00	1.10	110	76 - 127
Tetrahydrofuran	1.00	1.02	102	77 - 119
1,2-Dichloroethane	1.00	1.04	104	69 - 130
1,1,1-Trichloroethane	1.00	1.14	114	84 - 120
Benzene	1.00	1.07	107	82 - 114
Carbon Tetrachloride	1.00	1.14	114	78 - 119
Cyclohexane	1.00	1.08	108	85 - 120
1,2-Dichloropropane	1.00	1.10	110	83 - 120
1,4-Dioxane	1.00	1.13	113	53 - 176
Trichloroethene	1.00	1.06	106	79 - 116
Heptane	1.00	1.10	110	87 - 133
cis-1,3-Dichloropropene	1.00	1.13	113	93 - 130
Methyl Isobutyl Ketone	1.00	1.22	122	86 - 135
trans-1,3-Dichloropropene	1.00	1.05	105	85 - 121
1,1,2-Trichloroethane	1.00	1.26	126	63 - 131
Toluene	1.00	1.16	116	61 - 132
2-Hexanone	1.00	1.30	130	71 - 151
Dibromochloromethane	1.00	1.23	123	67 - 130
1,2-Dibromoethane	1.00	1.24	124	62 - 127
Tetrachloroethene	1.00	1.15	115	52 - 126
Chlorobenzene	1.00	1.19	119	59 - 121
Ethylbenzene	1.00	1.17	117	65 - 128
m&p-Xylene	2.00	2.38	119	63 - 191
Bromoform	1.00	1.19	119	62 - 122
Styrene	1.00	1.31	131	* 69 - 125
1,1,2,2-Tetrachloroethane	1.00	1.25	125	* 66 - 123
o-Xylene	1.00	1.25	125	70 - 128
p-Ethyltoluene	1.00	1.21	121	68 - 136
1,3,5-Trimethylbenzene	1.00	1.20	120	66 - 135
1,2,4-Trimethylbenzene	1.00	1.14	114	69 - 133
1,3-Dichlorobenzene	1.00	1.31	131	* 63 - 122
1,4-Dichlorobenzene	1.00	1.31	131	* 65 - 123
1,2-Dichlorobenzene	1.00	1.17	117	58 - 119
Naphthalene	1.00	1.22	122	58 - 156

*Indicates out of the criteria

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Table 2.1 Results of the LCS Analysis for VOC in Air
WA# 0-262, Meadowbrook Avenue

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Sample ID: LCS: 03/18/15

Analyte	LCS Spike Amount ppbv	LCS Recovered ppbv	% Recovery	QC Limits % Recovery
Propylene	1.00	1.11	111	73 - 125
Dichlorodifluoromethane	1.00	1.12	112	49 - 137
Chloromethane	1.00	1.24	124	72 - 127
Dichlorotetrafluoroethane	1.00	0.929	92.9	59 - 119
Vinyl Chloride	1.00	1.14	114	75 - 145
1,3-Butadiene	1.00	1.01	101	65 - 123
Bromomethane	1.00	1.22	122	72 - 144
Chloroethane	1.00	1.17	117	69 - 143
Acetone	1.00	1.27	127	71 - 165
Trichlorofluoromethane	1.00	1.15	115	62 - 147
Isopropyl Alcohol	1.00	1.10	110	64 - 164
1,1-Dichloroethene	1.00	1.05	105	73 - 130
Methylene Chloride	1.00	1.07	107	71 - 113
Trichlorotrifluoroethane	1.00	1.10	110	64 - 142
trans-1,2-Dichloroethene	1.00	1.02	102	74 - 121
1,1-Dichloroethane	1.00	1.09	109	76 - 117
MTBE	1.00	0.966	96.6	55 - 134
Vinyl Acetate	1.00	0.907	90.7	80 - 106
2-Butanone	1.00	1.07	107	75 - 113
cis-1,2-Dichloroethene	1.00	1.00	100	72 - 118
Ethyl Acetate	1.00	1.15	115	97 - 122
Hexane	1.00	1.03	103	77 - 122
Chloroform	1.00	1.12	112	76 - 127
Tetrahydrofuran	1.00	1.05	105	77 - 119
1,2-Dichloroethane	1.00	1.05	105	69 - 130
1,1,1-Trichloroethane	1.00	1.07	107	84 - 120
Benzene	1.00	1.02	102	82 - 114
Carbon Tetrachloride	1.00	1.08	108	78 - 119
Cyclohexane	1.00	1.04	104	85 - 120
1,2-Dichloropropane	1.00	1.03	103	83 - 120
1,4-Dioxane	1.00	1.03	103	53 - 176
Trichloroethene	1.00	1.05	105	79 - 116
Heptane	1.00	1.01	101	87 - 133
cis-1,3-Dichloropropene	1.00	1.08	108	93 - 130
Methyl Isobutyl Ketone	1.00	1.11	111	86 - 135
trans-1,3-Dichloropropene	1.00	1.00	100	85 - 121
1,1,2-Trichloroethane	1.00	1.17	117	63 - 131
Toluene	1.00	1.09	109	61 - 132
2-Hexanone	1.00	1.16	116	71 - 151
Dibromochloromethane	1.00	1.17	117	67 - 130
1,2-Dibromoethane	1.00	1.17	117	62 - 127
Tetrachloroethene	1.00	1.10	110	52 - 126
Chlorobenzene	1.00	1.13	113	59 - 121
Ethylbenzene	1.00	1.11	111	65 - 128
m&p-Xylene	2.00	2.16	108	63 - 191
Bromoform	1.00	1.13	113	62 - 122
Styrene	1.00	1.24	124	69 - 125
1,1,2,2-Tetrachloroethane	1.00	1.13	113	66 - 123
o-Xylene	1.00	1.14	114	70 - 128
p-Ethyltoluene	1.00	1.12	112	68 - 136
1,3,5-Trimethylbenzene	1.00	1.11	111	66 - 135
1,2,4-Trimethylbenzene	1.00	1.07	107	69 - 133
1,3-Dichlorobenzene	1.00	1.21	121	63 - 122
1,4-Dichlorobenzene	1.00	1.22	1.00	65 - 123
1,2-Dichlorobenzene	1.00	1.10	110	58 - 119
Naphthalene	1.00	1.14	114	58 - 156

*Indicates out of the criteria U

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Table 2.1 Results of the LCS Analysis for VOC in Air
WA# 0-262, Meadowbrook Avenue

Sample ID: LCS: 03/19/15

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Analyte	LCS Spike Amount ppbv	LCS Recovered ppbv	% Recovery	QC Limits % Recovery
Propylene	1.00	1.09	109	73 - 125
Dichlorodifluoromethane	1.00	1.12	112	49 - 137
Chloromethane	1.00	1.20	120	72 - 127
Dichlorotetrafluoroethane	1.00	0.909	90.9	59 - 119
Vinyl Chloride	1.00	1.15	115	75 - 145
1,3-Butadiene	1.00	0.961	96.1	65 - 123
Bromomethane	1.00	1.19	119	72 - 144
Chloroethane	1.00	1.14	114	69 - 143
Acetone	1.00	1.25	125	71 - 165
Trichlorofluoromethane	1.00	1.12	112	62 - 147
Isopropyl Alcohol	1.00	1.07	107	64 - 164
1,1-Dichloroethene	1.00	1.02	102	73 - 130
Methylene Chloride	1.00	1.04	104	71 - 113
Trichlorotrifluoroethane	1.00	1.09	109	64 - 142
trans-1,2-Dichloroethene	1.00	0.973	97.3	74 - 121
1,1-Dichloroethane	1.00	1.05	105	76 - 117
MTBE	1.00	0.944	94.4	55 - 134
Vinyl Acetate	1.00	0.901	90.1	80 - 106
2-Butanone	1.00	1.06	106	75 - 113
cis-1,2-Dichloroethene	1.00	0.974	97.4	72 - 118
Ethyl Acetate	1.00	1.10	110	97 - 122
Hexane	1.00	0.997	99.7	77 - 122
Chloroform	1.00	1.08	108	76 - 127
Tetrahydrofuran	1.00	1.03	103	77 - 119
1,2-Dichloroethane	1.00	1.04	104	69 - 130
1,1,1-Trichloroethane	1.00	1.07	107	84 - 120
Benzene	1.00	1.02	102	82 - 114
Carbon Tetrachloride	1.00	1.10	110	78 - 119
Cyclohexane	1.00	1.06	106	85 - 120
1,2-Dichloropropane	1.00	1.05	105	83 - 120
1,4-Dioxane	1.00	1.13	113	53 - 176
Trichloroethene	1.00	1.06	106	79 - 116
Heptane	1.00	1.02	102	87 - 133
cis-1,3-Dichloropropene	1.00	1.09	109	93 - 130
Methyl Isobutyl Ketone	1.00	1.12	112	86 - 135
trans-1,3-Dichloropropene	1.00	1.01	101	85 - 121
1,1,2-Trichloroethane	1.00	1.16	116	63 - 131
Toluene	1.00	1.09	109	61 - 132
2-Hexanone	1.00	1.18	118	71 - 151
Dibromochloromethane	1.00	1.19	119	67 - 130
1,2-Dibromoethane	1.00	1.16	116	62 - 127
Tetrachloroethene	1.00	1.12	112	52 - 126
Chlorobenzene	1.00	1.13	113	59 - 121
Ethylbenzene	1.00	1.09	109	65 - 128
m&p-Xylene	2.00	2.17	109	63 - 191
Bromoform	1.00	1.13	113	62 - 122
Styrene	1.00	1.22	122	69 - 125
1,1,2,2-Tetrachloroethane	1.00	1.12	112	66 - 123
o-Xylene	1.00	1.13	113	70 - 128
p-Ethyltoluene	1.00	1.14	114	68 - 136
1,3,5-Trimethylbenzene	1.00	1.10	110	66 - 135
1,2,4-Trimethylbenzene	1.00	1.07	107	69 - 133
1,3-Dichlorobenzene	1.00	1.23	123	* 63 - 122
1,4-Dichlorobenzene	1.00	1.22	122	65 - 123
1,2-Dichlorobenzene	1.00	1.11	111	58 - 119
Naphthalene	1.00	1.25	125	58 - 156

*Indicates out of the criteria

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Table 2.1 Results of the LCS Analysis for VOC in Air
WA# 0-262, Meadowbrook Avenue

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Sample ID: LCS: 03/22/15

Analyte	LCS Spike Amount ppbv	LCS Recovered ppbv	% Recovery	QC Limits % Recovery
Propylene	1.00	1.15	115	73 - 125
Dichlorodifluoromethane	1.00	0.986	98.6	49 - 137
Chloromethane	1.00	1.19	119	72 - 127
Dichlorotetrafluoroethane	1.00	0.881	88.1	59 - 119
Vinyl Chloride	1.00	1.10	110	75 - 145
1,3-Butadiene	1.00	J	95.8	J - 123
Bromomethane	1.00	1.13	113	72 - 144
Chloroethane	1.00	1.10	110	69 - 143
Acetone	1.00	1.22	122	71 - 165
Trichlorofluoromethane	1.00	1.04	104	62 - 147
Isopropyl Alcohol	1.00	1.09	109	64 - 164
1,1-Dichloroethene	1.00	1.00	100	73 - 130
Methylene Chloride	1.00	1.03	103	71 - 113
Trichlorotrifluoroethane	1.00	1.10	110	64 - 142
trans-1,2-Dichloroethene	1.00	0.962	96.2	74 - 121
1,1-Dichloroethane	1.00	1.04	104	76 - 117
MTBE	1.00	0.932	93.2	55 - 134
Vinyl Acetate	1.00	0.887	88.7	80 - 106
2-Butanone	1.00	1.05	105	75 - 113
cis-1,2-Dichloroethene	1.00	0.951	95.1	72 - 118
Ethyl Acetate	1.00	1.10	110	97 - 106
Hexane	1.00	0.976	97.6	77 - 122
Chloroform	1.00	1.04	104	76 - 127
Tetrahydrofuran	1.00	1.04	104	77 - 119
1,2-Dichloroethane	1.00	0.995	99.5	69 - 130
1,1,1-Trichloroethane	1.00	1.03	103	84 - 120
Benzene	1.00	1.00	100	82 - 114
Carbon Tetrachloride	1.00	1.04	104	78 - 119
Cyclohexane	1.00	1.02	102	85 - 120
1,2-Dichloropropane	1.00	1.02	102	83 - 120
1,4-Dioxane	1.00	1.04	104	53 - 176
Trichloroethene	1.00	1.05	105	79 - 116
Heptane	1.00	1.03	103	87 - 133
cis-1,3-Dichloropropene	1.00	1.05	105	93 - 130
Methyl Isobutyl Ketone	1.00	1.12	112	86 - 135
trans-1,3-Dichloropropene	1.00	0.975	97.5	85 - 121
1,1,2-Trichloroethane	1.00	1.14	114	63 - 131
Toluene	1.00	1.08	108	61 - 132
2-Hexanone	1.00	1.18	118	71 - 151
Dibromochloromethane	1.00	1.15	115	67 - 130
1,2-Dibromoethane	1.00	1.12	112	62 - 127
Tetrachloroethene	1.00	1.11	111	52 - 126
Chlorobenzene	1.00	1.12	112	59 - 121
Ethylbenzene	1.00	1.07	107	65 - 128
m&p-Xylene	2.00	2.10	105	63 - 191
Bromoform	1.00	1.10	110	62 - 122
Styrene	1.00	1.18	118	69 - 125
1,1,2,2-Tetrachloroethane	1.00	1.09	109	66 - 123
o-Xylene	1.00	1.09	109	70 - 128
p-Ethyltoluene	1.00	1.10	110	68 - 136
1,3,5-Trimethylbenzene	1.00	1.06	106	66 - 135
1,2,4-Trimethylbenzene	1.00	1.04	104	69 - 133
1,3-Dichlorobenzene	1.00	1.20	120	63 - 122
1,4-Dichlorobenzene	1.00	1.19	119	65 - 123
1,2-Dichlorobenzene	1.00	1.09	1.00	58 - 119
Naphthalene	1.00	1.27	127	58 - 156

*Indicates out of the criteria

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Table 2.2 Results of the Duplicate Analysis for VOC in Air
WA# 0-262, Meadowbrook Avenue

Sample ID: 262-0021

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Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Propylene	1.19	1.26	6	≤25
Dichlorodifluoromethane	0.294	0.283	4	≤25
Chloromethane	0.634	0.668	5	≤25
Dichlorotetrafluoroethane	U	U	NC	≤25
Vinyl Chloride	U	U	NC	≤25
1,3-Butadiene	U	U	NC	≤25
Bromomethane	U	U	NC	≤25
Chloroethane	U	U	NC	≤25
Acetone	6.52	5.32	20	≤25
Trichlorofluoromethane	0.241	0.237	2	≤25
Isopropyl Alcohol	0.641	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
Methylene Chloride	0.0932	0.0994	6	≤25
Trichlorotrifluoroethane	0.0733	0.0692	6	≤25
trans-1,2-Dichloroethene	U	0.0208	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
MTBE	U	U	NC	≤25
Vinyl Acetate	U	U	NC	≤25
2-Butanone	0.220	0.149	38 *	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
Ethyl Acetate	U	U	NC	≤25
Hexane	0.325	0.342	5	≤25
Chloroform	U	U	NC	≤25
Tetrahydrofuran	0.0795	0.0585	30 *	≤25
1,2-Dichloroethane	U	U	NC	≤25
1,1,1-Trichloroethane	U	U	NC	≤25
Benzene	0.224	0.233	4	≤25
Carbon Tetrachloride	0.0797	0.0819	3	≤25
Cyclohexane	0.0779	0.0742	5	≤25
1,2-Dichloropropane	U	U	NC	≤25
1,4-Dioxane	U	U	NC	≤25
Trichloroethene	0.0215	0.0202	6	≤25
Heptane	0.127	0.140	10	≤25
cis-1,3-Dichloropropene	U	U	NC	≤25
Methyl Isobutyl Ketone	U	U	NC	≤25
trans-1,3-Dichloropropene	U	U	NC	≤25
1,1,2-Trichloroethane	U	U	NC	≤25
Toluene	0.388	0.417	7	≤25
2-Hexanone	U	U	NC	≤25
Dibromochloromethane	U	U	NC	≤25
1,2-Dibromoethane	U	U	NC	≤25
Tetrachloroethene	0.0402	0.0441	9	≤25
Chlorobenzene	U	U	NC	≤25
Ethylbenzene	0.0469	0.0510	8	≤25
m&p-Xylene	0.159	0.168	6	≤25
Bromoform	U	U	NC	≤25
Styrene	0.0224	0.0219	2	≤25
1,1,2,2-Tetrachloroethane	U	U	NC	≤25
o-Xylene	0.0597	0.0640	7	≤25
p-Ethyltoluene	0.0283	0.0335	17	≤25
1,3,5-Trimethylbenzene	0.0268	0.0329	20	≤25
1,2,4-Trimethylbenzene	0.0979	0.122	22	≤25
1,3-Dichlorobenzene	U	U	NC	≤25
1,4-Dichlorobenzene	U	U	NC	≤25
1,2-Dichlorobenzene	U	U	NC	≤25
Naphthalene	U	U	NC	≤25

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Table 2.2 (cont) Results of the Duplicate Analysis for VOC in Air
WA# 0-262, Meadowbrook Avenue

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Sample ID: 262-0027

Analyte	Initial Analysis	Duplicate Analysis	RPD	QC Limit
	ppbv	ppbv		RPD
Propylene	U	U	NC	≤25
Dichlorodifluoromethane	0.572	0.602	5	≤25
Chloromethane	0.300	0.275	9	≤25
Dichlorotetrafluoroethane	U	U	NC	≤25
Vinyl Chloride	U	U	NC	≤25
1,3-Butadiene	U	U	NC	≤25
Bromomethane	U	U	NC	≤25
Chloroethane	U	U	NC	≤25
Acetone	2.73	2.80	3	≤25
Trichlorofluoromethane	0.259	0.269	4	≤25
Isopropyl Alcohol	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
Methylene Chloride	0.105	U	NC	≤25
Trichlorotrifluoroethane	U	U	NC	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
MTBE	U	U	NC	≤25
Vinyl Acetate	U	U	NC	≤25
2-Butanone	0.230	0.214	7	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
Ethyl Acetate	U	U	NC	≤25
Hexane	U	U	NC	≤25
Chloroform	U	U	NC	≤25
Tetrahydrofuran	U	U	NC	≤25
1,2-Dichloroethane	U	U	NC	≤25
1,1,1-Trichloroethane	U	U	NC	≤25
Benzene	0.146	0.123	17	≤25
Carbon Tetrachloride	U	U	NC	≤25
Cyclohexane	U	U	NC	≤25
1,2-Dichloropropane	U	U	NC	≤25
1,4-Dioxane	U	U	NC	≤25
Trichloroethene	U	U	NC	≤25
Heptane	U	U	NC	≤25
cis-1,3-Dichloropropene	U	U	NC	≤25
Methyl Isobutyl Ketone	U	U	NC	≤25
trans-1,3-Dichloropropene	U	U	NC	≤25
1,1,2-Trichloroethane	U	U	NC	≤25
Toluene	0.208	0.191	9	≤25
2-Hexanone	U	U	NC	≤25
Dibromochloromethane	U	U	NC	≤25
1,2-Dibromoethane	U	U	NC	≤25
Tetrachloroethene	U	U	NC	≤25
Chlorobenzene	U	U	NC	≤25
Ethylbenzene	U	U	NC	≤25
m&p-Xylene	U	U	NC	≤25
Bromoform	U	U	NC	≤25
Styrene	U	U	NC	≤25
1,1,2,2-Tetrachloroethane	U	U	NC	≤25
o-Xylene	U	U	NC	≤25
p-Ethyltoluene	U	U	NC	≤25
1,3,5-Trimethylbenzene	U	U	NC	≤25
1,2,4-Trimethylbenzene	U	U	NC	≤25
1,3-Dichlorobenzene	U	U	NC	≤25
1,4-Dichlorobenzene	U	U	NC	≤25
1,2-Dichlorobenzene	U	U	NC	≤25
Naphthalene	0.127	U	NC	≤25

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Table 2.2 (cont) Results of the Duplicate Analysis for VOC in Air
WA# 0-262, Meadowbrook Avenue

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Sample ID: 262-0009

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Propylene	U	U	NC	≤25
Dichlorodifluoromethane	0.545	0.563	3	≤25
Chloromethane	0.256	0.269	5	≤25
Dichlorotetrafluoroethane	U	U	NC	≤25
Vinyl Chloride	U	U	NC	≤25
1,3-Butadiene	U	U	NC	≤25
Bromomethane	U	U	NC	≤25
Chloroethane	U	U	NC	≤25
Acetone	U	U	NC	≤25
Trichlorofluoromethane	0.267	0.263	2	≤25
Isopropyl Alcohol	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
Methylene Chloride	U	U	NC	≤25
Trichlorotrifluoroethane	U	U	NC	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
MTBE	U	U	NC	≤25
Vinyl Acetate	0.232	0.225	3	≤25
2-Butanone	U	U	NC	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
Ethyl Acetate	U	U	NC	≤25
Hexane	U	U	NC	≤25
Chloroform	U	U	NC	≤25
Tetrahydrofuran	U	U	NC	≤25
1,2-Dichloroethane	U	U	NC	≤25
1,1,1-Trichloroethane	U	0.108	NC	≤25
Benzene	U	U	NC	≤25
Carbon Tetrachloride	U	U	NC	≤25
Cyclohexane	U	U	NC	≤25
1,2-Dichloropropane	U	U	NC	≤25
1,4-Dioxane	U	U	NC	≤25
Trichloroethene	U	U	NC	≤25
Heptane	U	U	NC	≤25
cis-1,3-Dichloropropene	U	U	NC	≤25
Methyl Isobutyl Ketone	U	U	NC	≤25
trans-1,3-Dichloropropene	U	U	NC	≤25
1,1,2-Trichloroethane	U	U	NC	≤25
Toluene	0.130	0.129	1	≤25
2-Hexanone	U	U	NC	≤25
Dibromochloromethane	U	U	NC	≤25
1,2-Dibromoethane	U	U	NC	≤25
Tetrachloroethene	U	0.101	NC	≤25
Chlorobenzene	U	U	NC	≤25
Ethylbenzene	U	U	NC	≤25
m&p-Xylene	U	U	NC	≤25
Bromoform	U	U	NC	≤25
Styrene	U	U	NC	≤25
1,1,2,2-Tetrachloroethane	U	U	NC	≤25
o-Xylene	U	U	NC	≤25
p-Ethyltoluene	U	U	NC	≤25
1,3,5-Trimethylbenzene	U	U	NC	≤25
1,2,4-Trimethylbenzene	U	U	NC	≤25
1,3-Dichlorobenzene	U	U	NC	≤25
1,4-Dichlorobenzene	U	U	NC	≤25
1,2-Dichlorobenzene	U	U	NC	≤25
Naphthalene	U	U	NC	≤25

REPORT OF LABORATORY ANALYSIS

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Table 2.2 (cont) Results of the Duplicate Analysis for VOC in Air
WA# 0-262, Meadowbrook Avenue

Page 4 of 4

Sample ID: 262-0015

Analyte	Initial Analysis	Duplicate Analysis	RPD	QC Limit
	ppbv	ppbv		
Propylene	1.10	1.20	9	≤25
Dichlorodifluoromethane	0.556	0.589	6	≤25
Chloromethane	0.585	0.653	11	≤25
Dichlorotetrafluoroethane	U	U	NC	≤25
Vinyl Chloride	U	U	NC	≤25
1,3-Butadiene	U	U	NC	≤25
Bromomethane	U	U	NC	≤25
Chloroethane	U	U	NC	≤25
Acetone	6.07	6.23	3	≤25
Trichlorofluoromethane	0.409	0.440	7	≤25
Isopropyl Alcohol	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
Methylene Chloride	0.135	0.132	2	≤25
Trichlorotrifluoroethane	U	U	NC	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
MTBE	U	U	NC	≤25
Vinyl Acetate	U	U	NC	≤25
2-Butanone	0.265	0.267	1	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
Ethyl Acetate	0.722	0.734	2	≤25
Hexane	0.196	0.207	5	≤25
Chloroform	U	U	NC	≤25
Tetrahydrofuran	0.265	0.291	9	≤25
1,2-Dichloroethane	U	U	NC	≤25
1,1,1-Trichloroethane	U	U	NC	≤25
Benzene	0.235	0.227	3	≤25
Carbon Tetrachloride	U	U	NC	≤25
Cyclohexane	U	U	NC	≤25
1,2-Dichloropropane	U	U	NC	≤25
1,4-Dioxane	U	U	NC	≤25
Trichloroethene	U	U	NC	≤25
Heptane	U	U	NC	≤25
cis-1,3-Dichloropropene	U	U	NC	≤25
Methyl Isobutyl Ketone	U	U	NC	≤25
trans-1,3-Dichloropropene	U	U	NC	≤25
1,1,2-Trichloroethane	U	U	NC	≤25
Toluene	0.438	0.417	5	≤25
2-Hexanone	U	U	NC	≤25
Dibromochloromethane	U	U	NC	≤25
1,2-Dibromoethane	U	U	NC	≤25
Tetrachloroethene	U	U	NC	≤25
Chlorobenzene	U	U	NC	≤25
Ethylbenzene	U	U	NC	≤25
m&p-Xylene	0.103	U	NC	≤25
Bromoform	U	U	NC	≤25
Styrene	U	U	NC	≤25
1,1,2,2-Tetrachloroethane	U	U	NC	≤25
o-Xylene	U	U	NC	≤25
p-Ethyltoluene	U	U	NC	≤25
1,3,5-Trimethylbenzene	U	U	NC	≤25
1,2,4-Trimethylbenzene	U	U	NC	≤25
1,3-Dichlorobenzene	U	U	NC	≤25
1,4-Dichlorobenzene	U	U	NC	≤25
1,2-Dichlorobenzene	U	U	NC	≤25
Naphthalene	U	U	NC	≤25

REPORT OF LABORATORY ANALYSIS

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USEPA

Date Shipped: 3/16/2015

Carrier Name:

Airbill No:

WO# R503003

CHAIN OF CUSTODY RECORD

Site #: 262

Contact Name: Colleen Grell

Contact Phone: 732-321-4211

No: 3-031615-104935-0001

Cooler #:

Lab: ERT/SERAS

Lab Phone: 732-321-4200

Lab #	Sample #	Location	Sub Location	Analysis	Matrix	Container	Pump #	Orifice ID	Start Pressure	Stop Pressure	Start Date	Start Time	Stop Date	Stop Time
01	262-0001	CBES-SS1	Basement Stair	TO-15	Soil Gas	SUMMA	14242	13988	-30	-8	3/14/2015	9:44:00 AM	3/15/2015	9:10:00 AM
02	262-0002	CBES-SS2	Mech Room	TO-15	Soil Gas	SUMMA	150	14005	-30	-7	3/14/2015	9:28:00 AM	3/15/2015	9:01:00 AM
03	262-0003	CBES-SS3	Storage	TO-15	Soil Gas	SUMMA	14238	14020	-30	-5.5	3/14/2015	9:20:00 AM	3/15/2015	8:52:00 AM
04	262-0004	CBES-SS4	Cafeteria Rm 113	TO-15	Soil Gas	SUMMA	36	13922	-30	-6	3/14/2015	9:14:00 AM	3/15/2015	8:47:00 AM
05	262-0005	CBES-SS5	Music/Art Rm 123	TO-15	Soil Gas	SUMMA	13741	13767	-30	-5.5	3/14/2015	9:09:00 AM	3/15/2015	8:43:00 AM
06	262-0006	CBES-SS6	Pre-K Rm 120	TO-15	Soil Gas	SUMMA	135	13923	-30	-8	3/14/2015	9:04:00 AM	3/15/2015	8:39:00 AM
07	262-0007	CBES-SS7	Kindergarten Rm 122	TO-15	Soil Gas	SUMMA	97	13993	-30	-7	3/14/2015	8:51:00 AM	3/15/2015	8:29:00 AM
08	262-0008	CBES-SS8	Music Rm 121	TO-15	Soil Gas	SUMMA	163	14028	-30	-7	3/14/2015	8:58:00 AM	3/15/2015	8:35:00 AM
09	262-0009	CBES-IA1	Basement Stair	TO-15	Indoor Air	SUMMA	13756	13785	-30	-6	3/14/2015	9:44:00 AM	3/15/2015	9:10:00 AM
10	262-0010	CBES-IA2	Mech Room	TO-15	Indoor Air	SUMMA	280	14049	-30	-8	3/14/2015	9:33:00 AM	3/15/2015	9:01:00 AM

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	CGrell	3/16/15	Jung Hwang	3/16/15	11:30	All/Analysis	Jung Hwang	3/16/15	A+Vidye	3/16/15	1500

USEPA

DateShipped: 3/16/2015

CarrierName:

AirbillNo:

WO# R503003

CHAIN OF CUSTODY RECORD

Site #: 262

Contact Name: Colleen Grell

Contact Phone: 732-321-4211

No: 3-031615-104935-0001

Cooler #:

Lab: ERT/SERAS

Lab Phone: 732-321-4200

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Start Date	Start Time	Stop Date	Stop Time
11	262-0011	CBES-IA3	Office/Workroom	TO-15	Indoor Air	SUMMA	14396	14036	-30	-7	3/14/2015	10:00:00 AM	3/15/2015	9:17:00 AM
12	262-0012	CBES-IA4	Library Rm 100	TO-15	Indoor Air	SUMMA	175	13949	-30	-11	3/14/2015	10:01:00 AM	3/15/2015	9:18:00 AM
13	262-0013	CBES-IA5	Girls Toilet	TO-15	Indoor Air	SUMMA	279	14009	-30	-7	3/14/2015	10:10:00 AM	3/15/2015	9:23:00 AM
14	262-0014	CBES-IA6	Classroom Rm 101	TO-15	Indoor Air	SUMMA	55	13941	-30	-7	3/14/2015	10:04:00 AM	3/15/2015	9:20:00 AM
15	262-0015	CBES-IA7	Faculty Rm 103	TO-15	Indoor Air	SUMMA	270	14019	-30	-7.5	3/14/2015	10:15:00 AM	3/15/2015	9:27:00 AM
16	262-0016	CBES-IA8	Nurse Rm 107	TO-15	Indoor Air	SUMMA	14233	14042	-30	-14	3/14/2015	10:20:00 AM	3/15/2015	9:30:00 AM
17	262-0017	CBES-IA9	Corridor/Rm 107	TO-15	Indoor Air	SUMMA	14221	13943	-30	-4	3/14/2015	10:18:00 AM	3/15/2015	9:29:00 AM
18	262-0018	CBES-IA10	Multipurpose Rm 111	TO-15	Indoor Air	SUMMA	14245	13765	-30	-7	3/14/2015	10:27:00 AM	3/15/2015	9:35:00 AM
19	262-0019	CBES-IA11	Storage	TO-15	Indoor Air	SUMMA	14403	14027	-30	-7	3/14/2015	9:20:00 AM	3/15/2015	8:52:00 AM
20	262-0020	CBES-IA12	Cafeteria Rm 113	TO-15	Indoor Air	SUMMA	196	13792	-30	-6	3/14/2015	9:15:00 AM	3/15/2015	8:47:00 AM

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	CGrell	3/16/15	Tracy Martin	3/16/15	11:30	All/Analysis	Tracy Martin	3/16/15	A-LV-fg	3/16/15	15:00

USEPA

Date Shipped: 3/16/2015

Carrier Name:

Airbill No:

WO# R503003

CHAIN OF CUSTODY RECORD

Site #: 262

Contact Name: Colleen Grell

Contact Phone: 732-321-4211

No: 3-031615-104935-0001

Cooler #:

Lab: ERT/SERAS

Lab Phone: 732-321-4200

Lab #	Sample #	Location	Sub Location	Analysis	Matrix	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Start Date	Start Time	Stop Date	Stop Time
21	262-0021	CBES-IA13	Music/Art Rm 123	TO-15	Indoor Air	SUMMA	71	13769	-30	-4	3/14/2015	9:14:00 AM	3/15/2015	8:43:00 AM
22	262-0022	CBES-IA14	Pre-K Rm 120	TO-15	Indoor Air	SUMMA	144	13906	-30	-7	3/14/2015	9:05:00 AM	3/15/2015	8:39:00 AM
23	262-0023	CBES-IA15	Kindergarten Rm 122	TO-15	Indoor Air	SUMMA	145	14032	-30	-9	3/14/2015	8:53:00 AM	3/15/2015	8:29:00 AM
24	262-0024	CBES-IA16	Music Rm 121	TO-15	Indoor Air	SUMMA	157	13962	-30	-7	3/14/2015	9:00:00 AM	3/15/2015	8:35:00 AM
25	262-0025	CBES-CS1	Basement CS 1	TO-15	Crawlspace Air	SUMMA	137	13992	-30	-7	3/14/2015	9:31:00 AM	3/15/2015	9:01:00 AM
26	262-0026	CBES-CS2	Basement CS 2	TO-15	Crawlspace Air	SUMMA	127	13953	-30	-6	3/14/2015	9:44:00 AM	3/15/2015	9:10:00 AM
27	262-0027	CBES-CS3	Basement CS 3	TO-15	Crawlspace Air	SUMMA	238	14041	-30	-6	3/14/2015	9:39:00 AM	3/15/2015	9:08:00 AM
28	262-0028	CBES-CS4	Office CS	TO-15	Crawlspace Air	SUMMA	70	13990	-30	-6	3/14/2015	9:58:00 AM	3/15/2015	9:17:00 AM
29	262-0029	CBES-CS5	Girls Toilet Wall Panel	TO-15	Crawlspace Air	SUMMA	235	13951	-30	-8.5	3/14/2015	10:10:00 AM	3/15/2015	9:23:00 AM
30	262-0030	CBES-AA1	Bldg A South	TO-15	Ambient Air	SUMMA	62	13957	-30	-4.5	3/14/2015	10:51:00 AM	3/15/2015	9:48:00 AM

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	CGrell	3/16/15	Tracy Martin	3/16/15	11:30	All/Analysis	Tracy Martin	3/16/15	A-H-V-Je	3/16/15	15:00

USEPA

Date Shipped: 3/16/2015

Carrier Name:

Airbill No:

WO # 503003

CHAIN OF CUSTODY RECORD

Site #: 262

Contact Name: Colleen Grell

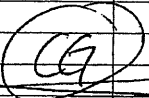
Contact Phone: 732-321-4211

No: 3-031615-104935-0001

Cooler #:

Lab: ERT/SERAS

Lab Phone: 732-321-4200

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Start Date	Start Time	Stop Date	Stop Time
31	262-0031	CBES-AA1	Bldg A South	TO-15	Ambient Air	SUMMA	148	13942	-30	-5.5	3/14/2015	10:51:00 AM	3/15/2015	9:48:00 AM
32	262-0032	CBES-AA2	Bldg B North	TO-15	Ambient Air	SUMMA	54	13928	-30	-6.5	3/14/2015	11:00:00 AM	3/15/2015	9:54:00 AM
33	262-0033	CBES-AA2	Bldg B North	TO-15	Ambient Air	SUMMA	189	13793	-30	-7	3/14/2015	11:00:00 AM	3/15/2015	9:54:00 AM
34	262-0034	CBES-IA2	Mech Room	TO-15	Indoor Air	SUMMA	13	13762	-30	-3	3/14/2015	9:33:00 AM	3/15/2015	9:01:00 AM
35	262-0035	CBES-IA7	Faculty Rm 103	TO-15	Indoor Air	SUMMA	13735	13940	-30	-7.5	3/14/2015	10:15:00 AM	3/15/2015	9:27:00 AM
36	262-0036	CBES-TB	Blank	TO-15	Blank	SUMMA	239		-30		3/14/2015	10:30:00 AM	3/14/2015	
37	262-0037	CBES-IA17	Principal Rm 105	TO-15	Indoor Air	SUMMA	14254	14029	-30	-10	3/14/2015	10:24:00 AM	3/15/2015	9:33:00 AM
 3/16/15														

Special Instructions:

 SAMPLES TRANSFERRED FROM
 CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	CGrell	3/16/15	Tracy Martin	3/16/15	11:00	All/Analysis	Tracy Martin	3/16/15	A-LV-j	3/16/15	15:00