TABLE 1 SOIL VAPOR SAMPLING LOCATION SUMMARY

Soil Vapor Point	Location	Depth of Soil Vapor Point	Notes
SV-01	Adjacent to Axiohm/Danby Sewers	3 ft bgs	Bedrock
SV-02	Adjacent to Axiohm/Danby Sewers	5.5 ft bgs	Bedrock
SV-03*	Adjacent to Axiohm/Danby Sewers	5.5 ft bgs	Bedrock
SV-04	Ithaca College Lateral	4 ft bgs	Sewer Line/Utility Trench
SV-05	Ithaca College Lateral	5.2 ft bgs	Sewer Line/Utility Trench
SV-06	Ithaca College Lateral	4.5 ft bgs	Sewer Line/Utility Trench
SV-07	Ithaca College Lateral	4.5 ft bgs	Sewer Line/Utility Trench
SV-08	Soil Vapor Away From Sewer	3 ft bgs	Overburden (Water @ 4 ft)
SV-09	Soil Vapor Away From Sewer	3 ft bgs	Bedrock
SV-10	Soil Vapor Away From Sewer	4 ft bgs	Bedrock
SV-11	Axiohm Sewer Line	3 ft bgs	Sewer Line/Utility Trench
SV-12	Danby Road Sewer Lateral	2 ft bgs	Sewer Line/Utility Trench
SV-13	Columbia Street Sewer Evaluation	4.5 ft bgs	Sewer Line/Utility Trench
SV-14	Columbia Street Sewer Evaluation	2.2 ft bgs	Sewer Line/Utility Trench
SV-15	Therm Sewer Evaluation	2 ft bgs	Sewer Line/Utility Trench
SV-16	Therm Sewer Evaluation	3 ft bgs	Overburden/Sewer
SV-17	Therm Sewer Evaluation	3 ft bgs	Overburden/Sewer
SV-01P	Ithaca College Lateral/Axiohm Junction	15.3 ft bgs	Within Shallow Bedrock
SV-02P	Ithaca College Lateral/Axiohm Junction	24.7 ft bgs	Within Deep Bedrock

NOTE: ft bgs = feet below ground surface
* SV-03 was vandalized and no sample collected

TABLE 2 SAMPLING AND ANALYTICAL PROGRAM

	Sample Matrix	VOCs 8260B	VOCs 8260	VOCs - TO-15			
				Sub-slab Vapor	Indoor Air	Outdoor Air	Soil Vapor
SOIL VAPOR SAMPLING							
No. of Samples	Vapor/Air					1	18
Field Duplicate						---	3
Rinsate Blank/Trip Blank						---	---
MS/MSD						---	---
Total No. of Analyses						**1**	**21**
VAPOR INTRUSION EVALUATION SAMPLING							
No. of Samples	Vapor/Air			27	34	5	
Field Duplicate				5	2	---	
Rinsate Blank/Trip Blank				---	---	---	
MS/MSD				---	---	---	
Total No. of Analyses				**32**	**36**	**5**	
SOIL SAMPLING							
No. of Samples	Soil	3					
Field Duplicate		1					
Rinsate Blank/Trip Blank		---					
MS/MSD		2					
Total No. of Analyses		**6**					
SURFACE WATER SAMPLING							
No. of Samples	Aqueous		1				
Field Duplicate			1				
Trip Blank [(a)]			1				
MS/MSD			2				
Total No. of Analyses			**5**				

[(a)] Trip blanks are required for VOC sampling of aqueous media at a rate of one per sample shipment.

NOTE: VOCs = Volatile Organic Compounds
--- = No Sample Taken
MS/MSD= Matrix Spike/Matrix Spike Duplicate
Laboratory quality control samples were collected at a rate of 1 per 20 samples, per matrix.

TABLE 3 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR SAMPLES

Parameter List USEPA Method TO-15	Sample ID	755017-SV01		755017-SV02		755017-SV04		755017-SV05		755017-SV-DUP[a]	
	Lab ID	0709482R1-01A		0709482R1-02A		0709482R1-03A		0709482R1-04A		0709482R1-05A	
	Sample Type	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor/Duplicate	
	Sample Date	9/20/2007		9/20/2007		9/20/2007		9/20/2007		9/20/2007	
Benzene	(µg/m3)	11.0		17.0		0.810			U		U
Bromodichloromethane	(µg/m3)		U		U	2.20			U	3.10	
4- Bromofluorobenzene	(µg/m3)	102		100		106		100		102	
Bromoform	(µg/m3)		U		U		U		U		U
Bromomethane	(µg/m3)		U		U		U		UJ		UJ
2- Butanone (Methyl Ethyl Ketone)	(µg/m3)	9.10		5.40		5.0		1.20		1.80	
tert- Butyl alcohol	(µg/m3)		U	7.20			U		U		U
Carbon Tetrachloride	(µg/m3)	0.680		0.850		2.20		4.60		3.50	
Chlorobenzene	(µg/m3)		U		U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U		U
Chloroform	(µg/m3)	1.20		2.80		120		13.0		160	
Chloromethane	(µg/m3)		U	0.520		0.780			U		U
alpha- Chlorotoluene	(µg/m3)		UJ		UJ		UJ		UJ		UJ
Cyclohexane	(µg/m3)	16.0		92.0		16.0		1.60		2.10	
Dibromochloromethane	(µg/m3)		U		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U	0.70			U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		UJ		UJ		UJ		UJ		UJ
1,2- Dichloroethane	(µg/m3)		U		U		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U		U		U
trans-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U		U
Ethanol	(µg/m3)	2.60		15.0		16.0		2.40	J	2.40	J
Ethyl Benzene	(µg/m3)	1.30		1.90			U		U		U
Freon 11	(µg/m3)	1.10		1.20		1.90		1.50		1.40	
Freon 113	(µg/m3)		U	1.20		5.40		9.20		7.50	
Freon 114	(µg/m3)		U		U		U		U		U
Freon 12	(µg/m3)	2.0		2.10		4.20		3.80		4.90	
Hexachlorobutadiene	(µg/m3)		U		U		U		U		U
Hexane	(µg/m3)	62.0		270		6.80		0.87		2.20	
Methyl tert-butyl ether	(µg/m3)		U		U		U		UJ		UJ
4- Methyl-2-pentanone	(µg/m3)		U		U		U		U		U
Methylene Chloride	(µg/m3)		U		U	4.20			U		U
Styrene	(µg/m3)		U	1.20			U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U		U
Tetrachloroethene	(µg/m3)	0.780			U	20.0		12.0		28.0	
Toluene	(µg/m3)	18.0		23.0		12.0		1.60		0.840	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U		UJ		UJ
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U	3.0		71.0		72.0		96.0	
Trichloroethene	(µg/m3)		U		U	210		170		310	
1,2,4- Trimethylbenzene	(µg/m3)	2.50		3.60			U		U		U
1,3,5- Trimethylbenzene	(µg/m3)	2.70		3.30			U		U		U
2,2,4- Trimethylpentane	(µg/m3)		U		U	2.80			U		U
Vinyl Chloride	(µg/m3)		U		U		U		U		U
m,p- Xylene	(µg/m3)	8.90		13.0		1.90		2.10		0.90	
o- Xylene	(µg/m3)	3.30		4.80			U	1.20			U

NOTE: USEPA = United States Environmental Protection Agency
µg/m3 = micrograms per cubic meter
U = The analyte was analyzed for, but was not detected above the sample reporting limit.
J = Reported value is an estimate.
UJ = The analyte was not detected above the reporting limit and the reporting limit is approximate
The analytical data results provided by Air Toxics, LTD. Data validation completed by Environmental Data Services, Inc.
[a] *Duplicate sample was collected with SV-04*

TABLE 3 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR SAMPLES

Parameter List USEPA Method TO-15	Sample ID	755017-SV06		755017-SV07		755017-SV08		755017-SV09		755017-SV10		755017-OA01	
	Lab ID	0712128A-01A		0712128A-02A		0712128B-03A		0712128B-04A		0712128B-05A		0712128B-06A	
	Sample Type	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Outdoor Air[a]	
	Sample Date	12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/6/2007	
Benzene	(µg/m3)	1.20		0.720		1.30		1.0		1.20			U
Bromodichloromethane	(µg/m3)		U		U		U		U		U		U
4- Bromofluorobenzene	(µg/m3)	88.0		91.0		91.0		91.0		85.0		80.0	
Bromoform	(µg/m3)		U		U		U		U		U		U
Bromomethane	(µg/m3)		U		U		U		U		U		U
2- Butanone (Methyl Ethyl Ketone)	(µg/m3)	1.0			U	0.950		2.40		0.710			U
tert- Butyl alcohol	(µg/m3)		U		U	12.0		5.50		2.60			U
Carbon Tetrachloride	(µg/m3)		U		U		U		U		U		U
Chlorobenzene	(µg/m3)		U		U		U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U		U		U
Chloroform	(µg/m3)		U		U	1.40			U		U		U
Chloromethane	(µg/m3)	0.550			U		U		U		U	1.30	
alpha- Chlorotoluene	(µg/m3)		U		U		U		U		U		U
Cyclohexane	(µg/m3)	1.0			U		U		U		U		U
Dibromochloromethane	(µg/m3)		U		U		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U		U		U		U
trans-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U		U		U
Ethanol	(µg/m3)	27.0		19.0		48.0		24.0		27.0			U
Ethyl Benzene	(µg/m3)		U		U		U		U		U		U
Freon 11	(µg/m3)	1.70	J	1.60	J	1.40	J	1.30	J	1.40	J	1.80	J
Freon 113	(µg/m3)		U		U		U		U		U		U
Freon 114	(µg/m3)		U		U		U		U		U		U
Freon 12	(µg/m3)	1.60		2.20		2.50		2.30		2.20		3.10	
Hexachlorobutadiene	(µg/m3)		U		U		U		U		U		U
Hexane	(µg/m3)	12.0		6.0		6.50		7.80			U		U
Methyl tert-butyl ether	(µg/m3)		UJ		UJ		UJ		UJ		UJ		UJ
4- Methyl-2-pentanone	(µg/m3)		U		U		U		U		U		U
Methylene Chloride	(µg/m3)		U		U		U		U		U		U
Styrene	(µg/m3)		U		U		U		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U		U		U
Tetrachloroethene	(µg/m3)		U		U		U	0.680			U		U
Toluene	(µg/m3)	2.0		2.60		3.20		3.20		2.70			U
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U		U	1.10			U
Trichloroethene	(µg/m3)		U		U		U		U		U		U
1,2,4- Trimethylbenzene	(µg/m3)		U		U		U		U		U		U
1,3,5- Trimethylbenzene	(µg/m3)		U		U		U		U		U		U
2,2,4- Trimethylpentane	(µg/m3)	1.30			U	0.940			U		U		U
Vinyl Chloride	(µg/m3)		U		U		U		U		U		U
m,p- Xylene	(µg/m3)		U	1.0		1.50		1.60		1.20			U

[a] *OA-01 air corresponds with collection of 2 hour soil vapor samples*

TABLE 3 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR SAMPLES

Parameter List USEPA Method TO-15	Sample ID Lab ID Sample Type Sample Date	755017-SV11 0804533-01A Soil Vapor 4/18/2008		755017-SV12 0804533-02A Soil Vapor 4/18/2008		755017-SV13 0804533-03A Soil Vapor 4/18/2008		755017-SV14 0804533-04A Soil Vapor 4/18/2008		755017-SV15 0804533-05A Soil Vapor 4/18/2008		755017-SV-DUP01[a] 0804533-06A Soil Vapor/Duplicate 4/18/2008	
Benzene	(µg/m3)	0.660		6.60		1.20	J		U		U	12.0	J
Bromodichloromethane	(µg/m3)	0.970			U		U		U	4.80		7.10	
Bromoform	(µg/m3)		U		U		U		U		U		U
Bromomethane	(µg/m3)		U		U		U		U		U		U
2- Butanone (Methyl Ethyl Ketone)	(µg/m3)	4.60		15.0		5.30	J	40.0		3.90		170	J
tert- Butyl alcohol	(µg/m3)		U		U		U		U		U		U
Carbon Tetrachloride	(µg/m3)	1.20		0.610		0.740	J		U	1.30		6.80	J
Chlorobenzene	(µg/m3)		U	2.40			U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U		U		U
Chloroform	(µg/m3)	110		3.70		3.80	J	44.0		140		64.0	J
Chloromethane	(µg/m3)	0.820		0.610		0.730			U		U		U
alpha- Chlorotoluene	(µg/m3)		U		U		U		U		U		U
Cyclohexane	(µg/m3)	2.0		7.20		5.50	J	9.40		2.30		83.0	J
Dibromochloromethane	(µg/m3)		U		U		U		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U		U		U		U
trans-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U	2.10		1.80	
1,2- Dichloropropane	(µg/m3)		U		U		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U		U		U
Ethanol	(µg/m3)	5.10		8.40		21.0	J		U	3.30		56.0	J
Ethyl Benzene	(µg/m3)		U	2.70			U		U		U		U
Freon 11	(µg/m3)	1.70		1.50		1.80	J		U	2.10		16.0	J
Freon 113	(µg/m3)	0.980		0.820		0.970	J		U	0.940		9.50	J
Freon 114	(µg/m3)		U		U		U		U		U		U
Freon 12	(µg/m3)	2.50		1.60		2.20	J		U	2.30		15.0	J
Hexachlorobutadiene	(µg/m3)		U		U		U		U		U		U
Hexane	(µg/m3)	1.70		19.0		0.880	J		U		U	9.40	J
Methyl tert-butyl ether	(µg/m3)		U	6.0			U		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U	3.70		1.0	J		U		U	24.0	J
Methylene Chloride	(µg/m3)		U		U		U		U		U		U
Styrene	(µg/m3)		U		U		U		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U		U		U
Tetrachloroethene	(µg/m3)	4.0			U	88.0	J	2,200		120		1,600	J
Toluene	(µg/m3)	1.80		15.0		2.90	J		U	0.790		26.0	J
1,2,4- Trichlorobenzene	(µg/m3)		UJ		UJ		UJ		UJ		UJ		UJ
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)	1.20			U		U		U	1.20			U
Trichloroethene	(µg/m3)	13.0			U	0.520	J	37.0		150		9.30	J
1,2,4- Trimethylbenzene	(µg/m3)		UJ	2.60	J	1.0	J		UJ		UJ	14.0	J
1,3,5- Trimethylbenzene	(µg/m3)		U		U		U		U		U		U
2,2,4- Trimethylpentane	(µg/m3)		U	5.80			U	12.0			U		U
Vinyl Chloride	(µg/m3)		U		U		U		U		U		U
m,p- Xylene	(µg/m3)	0.850		12.0		1.50	J		U		U	16.0	J
o- Xylene	(µg/m3)		U	5.50			U		U		U		U

[a] *Duplicate sample was collected with SV-13*

TABLE 3 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR SAMPLES

Parameter List USEPA Method TO-15	Sample ID	7-55-017-SV-01P		7-55-017-SV-02P		7-55-017-SV-16		7-55-017-SV-17		7-55-017-SV-DUP[a]	
	Lab ID	0811163-01A		0811163-02A		0811163-03A		0811163-04A		0811163-05A	
	Sample Type	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor/Duplicate	
	Sample Date	11/5/2008		11/5/2008		11/5/2008		11/5/2008		11/5/2008	
Benzene	(µg/m3)	11.0		1.20		0.790		0.850		1.0	
Bromodichloromethane	(µg/m3)		U		U	10.0		4.80			U
Bromoform	(µg/m3)		U		U		U		U		U
Bromomethane	(µg/m3)		U		U		U		U		U
2- Butanone (Methyl Ethyl Ketone)	(µg/m3)	12.0		4.30		6.20		4.60		1.60	
tert- Butyl alcohol	(µg/m3)		U		U	4.20			U		U
Carbon Tetrachloride	(µg/m3)		U	1.0		0.670		0.760		0.890	
Chlorobenzene	(µg/m3)		U		U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U		U
Chloroform	(µg/m3)		U		U	32.0		14.0			U
Chloromethane	(µg/m3)		U	1.60		0.960		0.960		1.40	
alpha- Chlorotoluene	(µg/m3)		U		U		U		U		U
Cyclohexane	(µg/m3)	350			U		U	0.540			U
Dibromochloromethane	(µg/m3)		U		U	3.60		1.80			U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U		U		U
trans-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U		U
Ethanol	(µg/m3)		U	9.40		9.40		4.10		4.30	
Ethyl Benzene	(µg/m3)	12.0			U	1.80		1.30			U
Freon 11	(µg/m3)		U	1.80		1.60		1.60		1.60	
Freon 113	(µg/m3)		U	0.980		0.820		0.740		0.930	
Freon 114	(µg/m3)		U		U		U		U		U
Freon 12	(µg/m3)		U	2.60		2.70		2.80		3.0	
Hexachlorobutadiene	(µg/m3)		U		U		U		U		U
Hexane	(µg/m3)	2,400		15.0		2.10		2.0		15.0	
Methyl tert-butyl ether	(µg/m3)		U		U		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		U	0.620		0.640			U
Methylene Chloride	(µg/m3)		U		U		U		U		U
Styrene	(µg/m3)		U		U		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U		U
Tetrachloroethene	(µg/m3)		U		U	17.0		60.0			U
Toluene	(µg/m3)	91.0		3.0		1.90		1.70		2.40	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)	21.0			U		U		U		U
Trichloroethene	(µg/m3)	21.0			U	1.80		16.0			U
1,2,4- Trimethylbenzene	(µg/m3)	14.0			U	0.680		0.690			U
1,3,5- Trimethylbenzene	(µg/m3)		U		U		U		U		U
2,2,4- Trimethylpentane	(µg/m3)		U		U		U		U		U
Vinyl Chloride	(µg/m3)		U		U		U		U		U
m,p- Xylene	(µg/m3)	53.0		1.40		5.90		4.0		1.0	
o- Xylene	(µg/m3)	20.0		0.790		2.10		1.50			U

[a] *Duplicate sample was collected with SV-02P*

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 01					
	Sample ID	755017-SS-01[a]		755017-FF-01[a]		755017-DUP01[a]	
	Lab ID	0801352-08A		0801352-06A		0801352-10A	
	Sample Type	Sub-slab Vapor		First-Floor Indoor Air		Sub-slab Vapor Duplicate	
	Sample Date	1/18/2008		1/18/2008		1/18/2008	
Benzene	(µg/m3)		U	1.50			U
Bromodichloromethane	(µg/m3)		U	0.970			U
Bromoform	(µg/m3)		U		U		U
Bromomethane	(µg/m3)		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	0.930		1.80		1.00	
tert- Butyl alcohol	(µg/m3)		U		U		U
Carbon Tetrachloride	(µg/m3)	0.560		1.0			U
Chlorobenzene	(µg/m3)		U		U		U
Chloroethane	(µg/m3)		U		U		U
Chloroform	(µg/m3)		U	1.90			U
Chloromethane	(µg/m3)		U	2.40			U
alpha- Chlorotoluene	(µg/m3)		U		U		U
Cyclohexane	(µg/m3)		U		U		U
Dibromochloromethane	(µg/m3)		U		U		U
1,2- Dibromoethane	(µg/m3)		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U
trans-1,2- Dichloroethene	(µg/m3)		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U
Ethanol	(µg/m3)	7.0		1700		7.50	J
Ethyl Benzene	(µg/m3)		U		U		U
Freon 11	(µg/m3)	2.60		2.40		3.20	
Freon 113	(µg/m3)	0.810			U	0.790	
Freon 114	(µg/m3)		U		U		U
Freon 12	(µg/m3)	2.40		2.60		2.40	
Hexachlorobutadiene	(µg/m3)		U		U		U
Hexane	(µg/m3)		U		U		U
Methyl tert-butyl ether	(µg/m3)	1.20			U	1.30	
4- Methyl-2-pentanone	(µg/m3)		U		U		U
Methylene Chloride	(µg/m3)		U		U		U
Styrene	(µg/m3)		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U
Tetrachloroethene	(µg/m3)		U		U		U
Toluene	(µg/m3)	2.20		13.0		3.50	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U
Trichloroethene	(µg/m3)		U		U		U
1,2,4- Trimethylbenzene	(µg/m3)		U	0.990			U
1,3,5- Trimethylbenzene	(µg/m3)		U		U		U
2,2,4- Trimethylpentane	(µg/m3)		U	2.0			U
Vinyl Chloride	(µg/m3)		U		U		U
m,p- Xylene	(µg/m3)		U		U		U
o- Xylene	(µg/m3)		U	1.40			U

NOTE: USEPA = United States Environmental Protection Agency
µg/m3 = micrograms per cubic meter
U = The analyte was analyzed for, but was not detected above the sample reporting limit.
J = Reported value is an estimate.
The analytical data results provided by Air Toxics, LTD. Data validation was completed by Environmental Data Services, Inc.
a. Indicates sample was collected in January 2008

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 02							
	Sample ID	755017-SS-02[a]		755017-BF-02[a]		755017-FF-02-FRONT[a]		755017-FF-02-BACK[a]	
	Lab ID	0801352-04A		0801352-03A		0801352-02A		0801352-01A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air		First-Floor Front Indoor Air		First-Floor Back Indoor Air	
	Sample Date	1/18/2008		1/18/2008		1/18/2008		1/18/2008	
Benzene	(µg/m3)	1.20		2.40		2.20		0.960	
Bromodichloromethane	(µg/m3)		U		U		U		U
Bromoform	(µg/m3)		U		U		U		U
Bromomethane	(µg/m3)		U		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	1.70			U		U	3.60	
tert- Butyl alcohol	(µg/m3)		U		U		U		U
Carbon Tetrachloride	(µg/m3)		U		U	0.530			U
Chlorobenzene	(µg/m3)		U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U
Chloroform	(µg/m3)		U		U		U		U
Chloromethane	(µg/m3)		U	0.780		0.840		1.10	
alpha- Chlorotoluene	(µg/m3)		U		U		U		U
Cyclohexane	(µg/m3)		U		U		U	4.20	
Dibromochloromethane	(µg/m3)		U		U		U		U
1,2- Dibromoethane	(µg/m3)		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U		U
trans-1,2- Dichloroethene	(µg/m3)		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U
Ethanol	(µg/m3)	4.0		27.0		29.0		960	
Ethyl Benzene	(µg/m3)		U		U		U	2.10	
Freon 11	(µg/m3)	1.60		1.90		3.0		3.10	
Freon 113	(µg/m3)		U	0.750		0.760			U
Freon 114	(µg/m3)		U		U		U		U
Freon 12	(µg/m3)	6.30		5.50		2.70		12.0	
Hexachlorobutadiene	(µg/m3)		U		U		U		U
Hexane	(µg/m3)	0.720		1.20			U	1.30	
Methyl tert-butyl ether	(µg/m3)		U		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		U		U		U
Methylene Chloride	(µg/m3)		U		U		U		U
Styrene	(µg/m3)		U		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U
Tetrachloroethene	(µg/m3)	12.0			U		U	1.20	
Toluene	(µg/m3)	7.60		1.60		2.60		37.0	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U		U
Trichloroethene	(µg/m3)		U	0.490			U		U
1,2,4- Trimethylbenzene	(µg/m3)		U		U		U		U
1,3,5- Trimethylbenzene	(µg/m3)		U		U		U		U
2,2,4- Trimethylpentane	(µg/m3)		U		U		U		U
Vinyl Chloride	(µg/m3)		U		U		U		U
m,p- Xylene	(µg/m3)		U		U		U	2.20	
o- Xylene	(µg/m3)		U		U	0.980		5.60	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Associated Properties	Structure 01 & 02	
	Sample ID	755017-OA-02[a]	
	Lab ID	0801352-05A	
	Sample Type	Outdoor Air	
	Sample Date	1/18/2008	
Benzene	(µg/m3)	0.660	
Bromodichloromethane	(µg/m3)		U
Bromoform	(µg/m3)		U
Bromomethane	(µg/m3)		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	1.0	
tert- Butyl alcohol	(µg/m3)		U
Carbon Tetrachloride	(µg/m3)	0.51	
Chlorobenzene	(µg/m3)		U
Chloroethane	(µg/m3)		U
Chloroform	(µg/m3)		U
Chloromethane	(µg/m3)	1.0	
alpha- Chlorotoluene	(µg/m3)		U
Cyclohexane	(µg/m3)		U
Dibromochloromethane	(µg/m3)		U
1,2- Dibromoethane	(µg/m3)		U
1,4- Dichlorobenzene	(µg/m3)		U
1,3- Dichlorobenzene	(µg/m3)		U
1,2- Dichlorobenzene	(µg/m3)		U
1,2- Dichloroethane	(µg/m3)		U
1,1- Dichloroethane	(µg/m3)		U
1,1- Dichloroethene	(µg/m3)		U
trans-1,2- Dichloroethene	(µg/m3)		U
cis-1,2- Dichloroethene	(µg/m3)		U
1,2- Dichloropropane	(µg/m3)		U
trans-1,3- Dichloropropene	(µg/m3)		U
cis-1,3- Dichloropropene	(µg/m3)		U
1,4- Dioxane	(µg/m3)		U
Ethanol	(µg/m3)	4.40	J
Ethyl Benzene	(µg/m3)		U
Freon 11	(µg/m3)	1.90	
Freon 113	(µg/m3)	0.920	
Freon 114	(µg/m3)		U
Freon 12	(µg/m3)	2.40	
Hexachlorobutadiene	(µg/m3)		U
Hexane	(µg/m3)		U
Methyl tert-butyl ether	(µg/m3)		U
4- Methyl-2-pentanone	(µg/m3)		U
Methylene Chloride	(µg/m3)		U
Styrene	(µg/m3)		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U
Tetrachloroethene	(µg/m3)		U
Toluene	(µg/m3)	0.720	
1,2,4- Trichlorobenzene	(µg/m3)		U
1,1,2- Trichloroethane	(µg/m3)		U
1,1,1- Trichloroethane	(µg/m3)		U
Trichloroethene	(µg/m3)		U
1,2,4- Trimethylbenzene	(µg/m3)		U
1,3,5- Trimethylbenzene	(µg/m3)		U
2,2,4- Trimethylpentane	(µg/m3)		U
Vinyl Chloride	(µg/m3)		U
m,p- Xylene	(µg/m3)		U
o- Xylene	(µg/m3)		U

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 01				Structure 02					
	Sample ID	755017-SS-01		755017-BA-01		755017-SS-02		755017-BA-02		755017-BA-DUP01	
	Lab ID	0804468-01A		0804468-02A		0804468-03A		0804468-04A		0804468-14A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air		Sub-slab Vapor		Basement Indoor Air		Basement Indoor Air Duplicate	
	Sample Date	4/16/2008		4/16/2008		4/16/2008		4/16/2008		4/16/2008	
Benzene	(µg/m3)	5.80		1.80		1.80		0.70		0.720	
Bromodichloromethane	(µg/m3)		U		U		U		U		U
Bromoform	(µg/m3)		U		U		U		U		U
Bromomethane	(µg/m3)		U		U		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	14.0		1.60		4.80		1.0		2.60	
tert- Butyl alcohol	(µg/m3)	3.30			U		U		U		U
Carbon Tetrachloride	(µg/m3)	0.470		0.580		0.670		0.570		0.630	
Chlorobenzene	(µg/m3)		U		U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U		U
Chloroform	(µg/m3)	1.50			U		U		U		U
Chloromethane	(µg/m3)	1.10		0.910		1.10		0.820		0.96	
alpha- Chlorotoluene	(µg/m3)		U		U		U		U		U
Cyclohexane	(µg/m3)	4.80		1.70			U		U		U
Dibromochloromethane	(µg/m3)		U		U		U		U		U
1,2- Dibromoethane	(µg/m3)		U		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U	0.570			U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U		U		U
trans-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U	0.510	
Ethanol	(µg/m3)	11.0		56.0		5.90		7.60		6.80	
Ethyl Benzene	(µg/m3)	3.0		1.10			U		U		U
Freon 11	(µg/m3)	1.60		2.20		1.50		1.50		1.60	
Freon 113	(µg/m3)	0.760		0.650		0.860		0.710		0.660	
Freon 114	(µg/m3)		U		U		U		U		U
Freon 12	(µg/m3)	1.60		1.80		2.0		1.70		1.90	
Hexachlorobutadiene	(µg/m3)		U		U		U		U		U
Hexane	(µg/m3)	15.0		3.0		1.40			U		U
Methyl tert-butyl ether	(µg/m3)		U		U		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		U		U		U		U
Methylene Chloride	(µg/m3)	3.10		4.80			U		U		U
Styrene	(µg/m3)	2.10			U		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U		U
Tetrachloroethene	(µg/m3)	1.0		2.0			U		U		U
Toluene	(µg/m3)	19.0		6.0		3.80		1.60		1.70	
1,2,4- Trichlorobenzene	(µg/m3)		UJ		UJ		UJ		UJ		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)	3.40		3.70			U		U		U
Trichloroethene	(µg/m3)	7.40			U		U		U		U
1,2,4- Trimethylbenzene	(µg/m3)	1.70		0.870			U		U		U
1,3,5- Trimethylbenzene	(µg/m3)	4.50		3.40			U		U	0.720	
2,2,4- Trimethylpentane	(µg/m3)	3.60		1.90			U		U		U
Vinyl Chloride	(µg/m3)		U		U		U		U		U
m,p- Xylene	(µg/m3)	9.90		3.30		2.0			U	0.720	
o- Xylene	(µg/m3)	3.80		1.40			U		U		U

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 03				Structure 04					
	Sample ID	755017-SS-03		755017-BA-03		755017-SS-04		755017-BA-04		755017-SS-DUP01	
	Lab ID	0804468-05A		0804468-06A		0804468-07A		0804468-08A		0804468-13A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air		Sub-slab Vapor		Basement Indoor Air		Sub-slab Vapor Duplicate	
	Sample Date	4/16/2008		4/16/2008		4/16/2008		4/16/2008		4/16/2008	
Benzene	(µg/m3)	0.640		0.910		1.40		1.20		1.50	
Bromodichloromethane	(µg/m3)		U		U		U		U		U
Bromoform	(µg/m3)		U		U		U		U		U
Bromomethane	(µg/m3)		U		U		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	8.90		6.60		1.40		1.40		1.50	
tert- Butyl alcohol	(µg/m3)	12.0			U	2.60		7.20		3.60	
Carbon Tetrachloride	(µg/m3)		U	0.580		0.520		0.60		0.680	
Chlorobenzene	(µg/m3)		U		U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U	0.390	
Chloroform	(µg/m3)	2.00			U		U	3.20		1.30	
Chloromethane	(µg/m3)		U	1.30		0.430		1.30		1.50	
alpha- Chlorotoluene	(µg/m3)		U		U		U		U		U
Cyclohexane	(µg/m3)		U		U		U		U		U
Dibromochloromethane	(µg/m3)		U		U		U		U		U
1,2- Dibromoethane	(µg/m3)		U		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U		U	1.20	
1,1- Dichloroethane	(µg/m3)		U		U		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U		U		U
trans-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U		U
Ethanol	(µg/m3)	7.30		5.30		1.90		65.0		3.10	
Ethyl Benzene	(µg/m3)		U		U		U	0.820		1.40	
Freon 11	(µg/m3)	1.60		1.60		1.70		2.40		1.80	
Freon 113	(µg/m3)	0.70		0.690		0.630		0.650		0.690	
Freon 114	(µg/m3)		U		U		U		U		U
Freon 12	(µg/m3)	1.70		1.90		1.70		1.90		2.00	
Hexachlorobutadiene	(µg/m3)		U		U		U		U		U
Hexane	(µg/m3)		U	0.590		0.560		0.60		0.710	
Methyl tert-butyl ether	(µg/m3)		U		U		U		U		U
4- Methyl-2-pentanone	(µg/m3)	1.10			U		U		U		U
Methylene Chloride	(µg/m3)		U		U		U		U		U
Styrene	(µg/m3)		U		U		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U		U
Tetrachloroethene	(µg/m3)	0.610			U		U		U		U
Toluene	(µg/m3)	1.40		1.70		2.20		4.10		4.30	
1,2,4- Trichlorobenzene	(µg/m3)		UJ		UJ		UJ		UJ		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)	2.20			U		U		U		U
Trichloroethene	(µg/m3)	4.20			U	0.580			U	0.550	
1,2,4- Trimethylbenzene	(µg/m3)		U		U		U		U		U
1,3,5- Trimethylbenzene	(µg/m3)	0.840			U	0.970			U	2.60	
2,2,4- Trimethylpentane	(µg/m3)		U		U		U		U		U
Vinyl Chloride	(µg/m3)		U		U		U		U		U
m,p- Xylene	(µg/m3)	1.40		0.840		1.50		2.80		4.40	
o- Xylene	(µg/m3)		U		U		U	0.940		1.70	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 05			
	Sample ID	755017-SS-05		755017-BA-05	
	Lab ID	0804468-09A		0804468-10A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air	
	Sample Date	4/16/2008		4/16/2008	
Benzene	(µg/m3)	2.00		0.770	
Bromodichloromethane	(µg/m3)		U		U
Bromoform	(µg/m3)		U		U
Bromomethane	(µg/m3)		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	1.20		8.20	
tert- Butyl alcohol	(µg/m3)		U	6.60	
Carbon Tetrachloride	(µg/m3)	0.640		0.680	
Chlorobenzene	(µg/m3)		U		U
Chloroethane	(µg/m3)		U		U
Chloroform	(µg/m3)	6.70			U
Chloromethane	(µg/m3)	0.580		0.50	
alpha- Chlorotoluene	(µg/m3)		U		U
Cyclohexane	(µg/m3)	1.20			U
Dibromochloromethane	(µg/m3)		U		U
1,2- Dibromoethane	(µg/m3)		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U
1,2- Dichlorobenzene	(µg/m3)	1.60		1.80	
1,2- Dichloroethane	(µg/m3)		U		U
1,1- Dichloroethane	(µg/m3)		U		U
1,1- Dichloroethene	(µg/m3)		U		U
trans-1,2- Dichloroethene	(µg/m3)		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U
1,2- Dichloropropane	(µg/m3)		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U
1,4- Dioxane	(µg/m3)		U		U
Ethanol	(µg/m3)	18.0		37.0	
Ethyl Benzene	(µg/m3)	0.620			U
Freon 11	(µg/m3)	1.50		1.60	
Freon 113	(µg/m3)	0.710		0.680	
Freon 114	(µg/m3)		U		U
Freon 12	(µg/m3)	1.80		1.80	
Hexachlorobutadiene	(µg/m3)		U		U
Hexane	(µg/m3)	3.70		0.640	
Methyl tert-butyl ether	(µg/m3)		U		U
4- Methyl-2-pentanone	(µg/m3)		U	0.860	
Methylene Chloride	(µg/m3)		U		U
Styrene	(µg/m3)		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U
Tetrachloroethene	(µg/m3)		U		U
Toluene	(µg/m3)	4.10		2.50	
1,2,4- Trichlorobenzene	(µg/m3)		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U
1,1,1- Trichloroethane	(µg/m3)	1.50		1.70	
Trichloroethene	(µg/m3)		U		U
1,2,4- Trimethylbenzene	(µg/m3)		U		U
1,3,5- Trimethylbenzene	(µg/m3)	1.30			U
2,2,4- Trimethylpentane	(µg/m3)	0.66			U
Vinyl Chloride	(µg/m3)		U		U
m,p- Xylene	(µg/m3)	3.20		1.20	
o- Xylene	(µg/m3)	1.0			U

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Associated Properties	Structure 01, 02, 03, 04, & 05			
	Sample ID	755017-OA-01		755017-OA-02	
	Lab ID	0804468-11A		0804468-12A	
	Sample Type	Oudoor Air		Outdoor Air	
	Sample Date	4/16/2008		4/16/2008	
Benzene	(µg/m3)	0.930		0.50	
Bromodichloromethane	(µg/m3)		U		U
Bromoform	(µg/m3)		U		U
Bromomethane	(µg/m3)		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	1.20		4.20	
tert- Butyl alcohol	(µg/m3)		U		U
Carbon Tetrachloride	(µg/m3)	0.580		0.580	
Chlorobenzene	(µg/m3)		U		U
Chloroethane	(µg/m3)		U		U
Chloroform	(µg/m3)		U		U
Chloromethane	(µg/m3)	1.30		1.20	
alpha- Chlorotoluene	(µg/m3)		U		U
Cyclohexane	(µg/m3)		U		U
Dibromochloromethane	(µg/m3)		U		U
1,2- Dibromoethane	(µg/m3)		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U
1,2- Dichloroethane	(µg/m3)		U		U
1,1- Dichloroethane	(µg/m3)		U		U
1,1- Dichloroethene	(µg/m3)		U		U
trans-1,2- Dichloroethene	(µg/m3)		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U
1,2- Dichloropropane	(µg/m3)		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U
1,4- Dioxane	(µg/m3)		U		U
Ethanol	(µg/m3)	7.30		6.80	
Ethyl Benzene	(µg/m3)		U		U
Freon 11	(µg/m3)	1.70		1.60	
Freon 113	(µg/m3)	0.830		0.580	
Freon 114	(µg/m3)		U		U
Freon 12	(µg/m3)	2.10		1.90	
Hexachlorobutadiene	(µg/m3)		U		U
Hexane	(µg/m3)		U		U
Methyl tert-butyl ether	(µg/m3)		U		U
4- Methyl-2-pentanone	(µg/m3)		U		U
Methylene Chloride	(µg/m3)		U		U
Styrene	(µg/m3)		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U
Tetrachloroethene	(µg/m3)		U		U
Toluene	(µg/m3)	3.10		0.680	
1,2,4- Trichlorobenzene	(µg/m3)		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U
Trichloroethene	(µg/m3)		U		U
1,2,4- Trimethylbenzene	(µg/m3)		U		U
1,3,5- Trimethylbenzene	(µg/m3)		U		U
2,2,4- Trimethylpentane	(µg/m3)		U		U
Vinyl Chloride	(µg/m3)		U		U
m,p- Xylene	(µg/m3)	0.860			U
o- Xylene	(µg/m3)		U		U

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 06											
	Sample ID	7-55-017-SS06A		7-55-017-SS06B		7-55-017-SS06A		7-55-017-SS06B		7-55-017-BA06A		7-55-017-BA06B	
	Lab ID	0808015-01A		0808015-02A		0811442A-01A		0811442A-03A		0811442A-02A		0811442A-04A	
	Sample Type	Sub-slab Vapor		Sub-slab Vapor		Sub-slab Vapor		Sub-slab Vapor		Basement Indoor Air		Basement Indoor Air	
	Sample Date	7/29/2008		7/29/2008		11/12/2008		11/12/2008		11/12/2008		11/12/2008	
Benzene	(µg/m3)		UJ	1.70		10		11.0		5.90		9.30	
Bromodichloromethane	(µg/m3)		UJ		U		U		U		U		U
Bromoform	(µg/m3)		UJ		U		U		U		U		U
Bromomethane	(µg/m3)		UJ		U		U		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)		UJ	0.970		9.50		9.60		3.40		4.50	
tert- Butyl alcohol	(µg/m3)		UJ		U		U	16.0			U	2.90	
Carbon tetrachloride	(µg/m3)		UJ	1.90		1.20		0.760		1.10		0.660	
Chlorobenzene	(µg/m3)		UJ		U		U		U		U		U
Chloroethane	(µg/m3)		UJ		U		U		U		U		U
Chloroform	(µg/m3)	7.10	J		U	2.70		2.10		1.80		1.90	
Chloromethane	(µg/m3)		UJ		U	1.10		1.20		1.10		0.960	
alpha- Chlorotoluene	(µg/m3)		UJ		U		U		U		U		U
Cyclohexane	(µg/m3)		UJ	2.20		1.90		3.70		1.0		1.40	
Dibromochloromethane	(µg/m3)		UJ		U		U		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		UJ		U		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)		UJ		U		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		UJ		U		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		UJ		U		U		U		U		U
1,2- Dichloroethane	(µg/m3)		UJ		U	0.80			U		U		U
1,1- Dichloroethane	(µg/m3)		UJ		U		U		U		U		U
1,1- Dichloroethene	(µg/m3)		UJ		U		U		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		UJ		U		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		UJ		U		U		U		U		U
1,2- Dichloropropane	(µg/m3)		UJ		U		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		UJ		U		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		UJ		U		U		U		U		U
1,4- Dioxane	(µg/m3)		UJ		U		U		U		U		U
Ethanol	(µg/m3)		UJ	36.0		7.20		350	J	18.0		21.0	
Ethyl benzene	(µg/m3)		UJ	1.60		11.0		12.0		6.20		11.0	
Freon 11	(µg/m3)		UJ	2.40		2.50		2.10		2.20		2.10	
Freon 113	(µg/m3)		UJ	0.750		0.980		0.680		0.770		0.770	
Freon 114	(µg/m3)		UJ		U		U		U		U		U
Freon 12	(µg/m3)	2.0	J	2.20		3.40		3.10		3.40		3.10	
Hexachlorobutadiene	(µg/m3)		UJ		U		U		U		U		U
Hexane	(µg/m3)	7.10	J	24.0		11.0		30		6.80		9.80	
Methyl tert-butyl ether	(µg/m3)		UJ		U		U		U		U		U
4- Methyl-2-pentanone	(µg/m3)		UJ		U	1.80		2.0			U	0.710	
Methylene chloride	(µg/m3)		UJ		U	56.0		63.0		41.0		89.0	
Styrene	(µg/m3)		UJ		U	1.80		2.10				1.20	
1,1,2,2- Tetrachloroethane	(µg/m3)		UJ		U		U		U		U		U
Tetrachloroethene	(µg/m3)		UJ	2.40		1.30		1.10				1.40	
Toluene	(µg/m3)	5.40	J	15.0		84.0		79.0		52.0		99.0	
1,2,4- Trichlorobenzene	(µg/m3)		UJ	2.80			U		U		U		U
1,1,2- Trichloroethane	(µg/m3)		UJ		U		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)	2.80	J	1.20		2.70		0.840		0.730		0.860	
Trichloroethene	(µg/m3)	13.0	J		U	4.0			U		U		U
1,2,4- Trimethylbenzene	(µg/m3)		UJ		U	15.0		17.0		7.60		13.0	
1,3,5- Trimethylbenzene	(µg/m3)		UJ	1.30		4.60		5.80		2.30		4.10	
2,2,4- Trimethylpentane	(µg/m3)		UJ		U	15.0		16.0		12.0		19.0	
Vinyl chloride	(µg/m3)		UJ		U		U		U		U		U
m,p- Xylene	(µg/m3)	7.90	J	16.0		39.0		45.0		23.0		44.0	
o- Xylene	(µg/m3)		UJ	3.90		15.0		17.0		8.20		16.0	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 07		Structure 07		Structure 08		Structure 08	
	Sample ID	7-55-017-BA07		7-55-017-BA07		7-55-017-BA08		7-55-017-BA08	
	Lab ID	0808015-03A		0811442B-25A		0808015-04A		0811442B-12A	
	Sample Type	Basement Indoor Air		Basement Indoor Air		Basement Indoor Air		Basement Indoor Air	
	Sample Date	7/29/2008		11/12/2008		7/29/2008		11/12/2008	
Benzene	(µg/m3)	0.60			U	1.0		1.10	
Bromodichloromethane	(µg/m3)		U		U		U		U
Bromoform	(µg/m3)		U		U		U		U
Bromomethane	(µg/m3)		U		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	1.0		1.90		1.10		0.740	
tert- Butyl alcohol	(µg/m3)		U		U		U		U
Carbon tetrachloride	(µg/m3)		U	0.530			U	0.80	
Chlorobenzene	(µg/m3)		U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U
Chloroform	(µg/m3)	0.960		2.30			U		U
Chloromethane	(µg/m3)	0.80		0.520		0.630		1.0	
alpha- Chlorotoluene	(µg/m3)		U		U		U		U
Cyclohexane	(µg/m3)		U	0.980			U		U
Dibromochloromethane	(µg/m3)		U		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)	0.610			U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U		U
1,1- Dichloroethane	(µg/m3)		U		UJ		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U
Ethanol	(µg/m3)	7.60		3.90		4.60		39.0	
Ethyl benzene	(µg/m3)		U		U		U		U
Freon 11	(µg/m3)	3.40		2.0		1.40		2.40	
Freon 113	(µg/m3)		U		U		U	0.790	
Freon 114	(µg/m3)		U		U		U		U
Freon 12	(µg/m3)	6.10		2.70		2.20		3.70	
Hexachlorobutadiene	(µg/m3)		U		U		U		U
Hexane	(µg/m3)		U	2.10		0.95			U
Methyl tert-butyl ether	(µg/m3)		U		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		UJ		U		UJ
Methylene chloride	(µg/m3)		U		U		U		U
Styrene	(µg/m3)		U		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U
Tetrachloroethene	(µg/m3)		U		U		U		U
Toluene	(µg/m3)	2.0		0.920		3.90		2.40	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U		U
Trichloroethene	(µg/m3)	0.710		1.10			U		U
1,2,4- Trimethylbenzene	(µg/m3)		U		U		U		U
1,3,5- Trimethylbenzene	(µg/m3)		U		U		U		U
2,2,4- Trimethylpentane	(µg/m3)		U	3.0			U		U
Vinyl chloride	(µg/m3)		U		U		U		U
m,p- Xylene	(µg/m3)	0.76	J		U	1.5			U
o- Xylene	(µg/m3)		U		U		U		U

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 09					
	Sample ID	7-55-017-SS09		7-55-017-SS09		7-55-017-BA09	
	Lab ID	0808015-06A		0811442B-22A		0811442B-11A	
	Sample Type	Sub-slab Vapor		Sub-slab Vapor		Basement Indoor Air	
	Sample Date	7/29/2008		11/12/2008		11/12/2008	
Benzene	(µg/m3)	1.10		3.0		2.40	
Bromodichloromethane	(µg/m3)		U		U		U
Bromoform	(µg/m3)		U		U		U
Bromomethane	(µg/m3)		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	8.50		35.0		480	
tert- Butyl alcohol	(µg/m3)		U	6.60			U
Carbon tetrachloride	(µg/m3)		U	7.90			U
Chlorobenzene	(µg/m3)		U		U		U
Chloroethane	(µg/m3)		U		U		U
Chloroform	(µg/m3)		U	1.40			U
Chloromethane	(µg/m3)		U		U		U
alpha- Chlorotoluene	(µg/m3)		U		U		U
Cyclohexane	(µg/m3)		U	5.0		3.60	
Dibromochloromethane	(µg/m3)		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethane	(µg/m3)		U	2.30			U
1,1- Dichloroethene	(µg/m3)	2.30			U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U
Ethanol	(µg/m3)	11.0		130	J	140	
Ethyl benzene	(µg/m3)		U	4.10		18.0	
Freon 11	(µg/m3)	11.0		2.90		6.0	
Freon 113	(µg/m3)	1.40		1.10			U
Freon 114	(µg/m3)		U		U		U
Freon 12	(µg/m3)	4.30		2.90		4.80	
Hexachlorobutadiene	(µg/m3)		U		U		U
Hexane	(µg/m3)	1.50		6.50		6.70	
Methyl tert-butyl ether	(µg/m3)		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U	2.80		61.0	
Methylene chloride	(µg/m3)		U	86.0		440	
Styrene	(µg/m3)		U	1.20		2.70	
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U
Tetrachloroethene	(µg/m3)	190		110		10	
Toluene	(µg/m3)	5.50		68.0		320	
1,2,4- Trichlorobenzene	(µg/m3)	1.40			U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U
1,1,1- Trichloroethane	(µg/m3)	250		190		34.0	
Trichloroethene	(µg/m3)	63.0		49.0			U
1,2,4- Trimethylbenzene	(µg/m3)		U	8.70		36.0	
1,3,5- Trimethylbenzene	(µg/m3)		U	2.60		11.0	
2,2,4- Trimethylpentane	(µg/m3)		U		U		U
Vinyl chloride	(µg/m3)		U		U		U
m,p- Xylene	(µg/m3)	3.4		15.0		68.0	
o- Xylene	(µg/m3)	1.30		4.60		21.0	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 10							
	Sample ID	7-55-017-SS10		7-55-017-SS10		7-55-017-BA10		7-55-017-SSDUP	
	Lab ID	0808015-05A		0811441-15A		0811441-14A		0808015-08A	
	Sample Type	Sub-slab Vapor		Sub-slab Vapor		Basement Indoor Air		Subslab Soil Vapor Duplicate	
	Sample Date	7/29/2008		11/13/2008		11/13/2008		7/29/2008	
Benzene	(µg/m3)	0.890		1.90		1.40		0.820	
Bromodichloromethane	(µg/m3)		U		U		U		U
Bromoform	(µg/m3)		U		U		U		U
Bromomethane	(µg/m3)		U	0.720			U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)		U	1.50		2.20		5.10	
tert- Butyl alcohol	(µg/m3)		U		U		U		U
Carbon tetrachloride	(µg/m3)		U		U		U		U
Chlorobenzene	(µg/m3)		U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U
Chloroform	(µg/m3)	5.30		1.70			U	4.40	
Chloromethane	(µg/m3)		U	0.890		0.870			U
alpha- Chlorotoluene	(µg/m3)		U		U		U		U
Cyclohexane	(µg/m3)		U		U		U	1.80	
Dibromochloromethane	(µg/m3)		U		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U	2.30	
1,1- Dichloroethane	(µg/m3)		U		U		U	0.680	
1,1- Dichloroethene	(µg/m3)		U		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U
Ethanol	(µg/m3)		U	4.80		15.0		10.0	
Ethyl benzene	(µg/m3)		U	0.890			U	1.80	
Freon 11	(µg/m3)	2.10		1.50		1.70		2.10	
Freon 113	(µg/m3)		U	0.680			U	0.82	
Freon 114	(µg/m3)		U		U		U		U
Freon 12	(µg/m3)	1.80		1.50		2.50		1.70	
Hexachlorobutadiene	(µg/m3)		U		U		U		U
Hexane	(µg/m3)	1.0		1.20		3.60		2.10	
Methyl tert-butyl ether	(µg/m3)		U		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		U		U		U
Methylene chloride	(µg/m3)		U		U		U		U
Styrene	(µg/m3)		U		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U
Tetrachloroethene	(µg/m3)	13.0		2.0			U	13.0	
Toluene	(µg/m3)	1.20	J	2.40		2.0		13.0	J
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)	12.0		1.60			U	9.90	
Trichloroethene	(µg/m3)	220		61.0			U	180	
1,2,4- Trimethylbenzene	(µg/m3)		U		U		U		U
1,3,5- Trimethylbenzene	(µg/m3)		U		U		U		U
2,2,4- Trimethylpentane	(µg/m3)		U		U	1.70			U
Vinyl chloride	(µg/m3)		U		U		U		U
m,p- Xylene	(µg/m3)		U	3.80			U	2.6	
o- Xylene	(µg/m3)		U	1.90			U	0.80	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 11					
	Sample ID	7-55-017-SS11		7-55-017-SS11		7-55-017-BA11	
	Lab ID	0808015-07A		0811442A-06A		0811442A-07A	
	Sample Type	Sub-slab Vapor		Sub-slab Vapor		Basement Indoor Air	
	Sample Date	7/29/2008		11/12/2008		11/12/2008	
Benzene	(µg/m3)		U	29.0		1.20	
Bromodichloromethane	(µg/m3)		U		U		U
Bromoform	(µg/m3)		U		U		U
Bromomethane	(µg/m3)		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	1.70		15.0		7.0	
tert- Butyl alcohol	(µg/m3)		U		U		U
Carbon tetrachloride	(µg/m3)		U		U	0.650	
Chlorobenzene	(µg/m3)		U		U		U
Chloroethane	(µg/m3)		U		U		U
Chloroform	(µg/m3)	140		120		2.50	
Chloromethane	(µg/m3)		U		U	1.20	
alpha- Chlorotoluene	(µg/m3)		U		U		U
Cyclohexane	(µg/m3)		U		U		U
Dibromochloromethane	(µg/m3)		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U
trans,1-2- Dichloroethene	(µg/m3)	260		34.0		69.0	
cis-1,2- Dichloroethene	(µg/m3)		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U
Ethanol	(µg/m3)		U	110		290	J
Ethyl benzene	(µg/m3)	6.30		24.0		23.0	
Freon 11	(µg/m3)	1.20		2.0		1.80	
Freon 113	(µg/m3)		U		U	0.930	
Freon 114	(µg/m3)		U		U		U
Freon 12	(µg/m3)	2.0		3.20		3.20	
Hexachlorobutadiene	(µg/m3)		U		U		U
Hexane	(µg/m3)	1.60		23.0			U
Methyl tert-butyl ether	(µg/m3)		U	34.0			U
4- Methyl-2-pentanone	(µg/m3)	6.40		3.80		13.0	
Methylene chloride	(µg/m3)		U		U		U
Styrene	(µg/m3)		U	8.80		0.810	
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U
Tetrachloroethene	(µg/m3)		U		U		U
Toluene	(µg/m3)	3.20		58.0		30	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U
1,1,1- Trichloroethane	(µg/m3)	0.90	J		U		U
Trichloroethene	(µg/m3)	56.0		77.0		0.860	
1,2,4- Trimethylbenzene	(µg/m3)		U	11.0		1.30	
1,3,5- Trimethylbenzene	(µg/m3)		U	3.40			U
2,2,4- Trimethylpentane	(µg/m3)		U		U		U
Vinyl chloride	(µg/m3)		U		U		U
m,p- Xylene	(µg/m3)	15		49.0		57.0	
o- Xylene	(µg/m3)	2.70		15.0		12.0	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 12					
	Sample ID	7-55-017-SS12		7-55-017-BA12		7-55-017-BA-DUP01	
	Lab ID	0811442B-14A		0811442B-26A		0811442B-28A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air		Basement Indoor Air Duplicate	
	Sample Date	11/12/2008		11/12/2008		11/12/2008	
Benzene	(µg/m3)	1.10		0.760		0.730	
Bromodichloromethane	(µg/m3)		U		U		U
Bromoform	(µg/m3)		U		U		U
Bromomethane	(µg/m3)		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	4.40		1.70		2.0	
tert- Butyl alcohol	(µg/m3)		U		U		U
Carbon tetrachloride	(µg/m3)	0.870			U	0.690	
Chlorobenzene	(µg/m3)		U		U		U
Chloroethane	(µg/m3)		U		U		U
Chloroform	(µg/m3)	1.20		0.850		0.790	
Chloromethane	(µg/m3)	0.750		0.90		0.70	
alpha- Chlorotoluene	(µg/m3)		U		U		U
Cyclohexane	(µg/m3)		U		U		U
Dibromochloromethane	(µg/m3)		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichloroethane	(µg/m3)		UJ		UJ		U
1,1- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U
Ethanol	(µg/m3)	3.90		20		36.0	
Ethyl benzene	(µg/m3)	1.60			U		U
Freon 11	(µg/m3)	2.10		1.50		1.50	
Freon 113	(µg/m3)	0.80			U	0.620	
Freon 114	(µg/m3)		U		U		U
Freon 12	(µg/m3)	3.30		2.60		2.50	
Hexachlorobutadiene	(µg/m3)		U		U		U
Hexane	(µg/m3)	1.60			U		U
Methyl tert-butyl ether	(µg/m3)		U		U		U
4- Methyl-2-pentanone	(µg/m3)		UJ		UJ		U
Methylene chloride	(µg/m3)		U		U		U
Styrene	(µg/m3)	0.740			U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U
Tetrachloroethene	(µg/m3)		U		U		U
Toluene	(µg/m3)	4.50		1.40		1.30	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U
Trichloroethene	(µg/m3)		U		U		U
1,2,4- Trimethylbenzene	(µg/m3)	4.60			U		U
1,3,5- Trimethylbenzene	(µg/m3)	1.30			U		U
2,2,4- Trimethylpentane	(µg/m3)		U		U		U
Vinyl chloride	(µg/m3)		U		U		U
m,p- Xylene	(µg/m3)	6.40			U		U
o- Xylene	(µg/m3)	2.0			U		U

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 13				Structure 14	
	Sample ID	7-55-017-SS13		7-55-017-BA13		7-55-017-BA14	
	Lab ID	0811442B-24A		0811442B-13A		0811442A-09A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air		Basement Indoor Air	
	Sample Date	11/12/2008		11/12/2008		11/12/2008	
Benzene	(µg/m3)	1.40		1.60		2.0	
Bromodichloromethane	(µg/m3)		U		U		U
Bromoform	(µg/m3)		U		U		U
Bromomethane	(µg/m3)		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	4.70		0.670		0.90	
tert- Butyl alcohol	(µg/m3)		U		U		U
Carbon tetrachloride	(µg/m3)	0.580		1.0		0.71	
Chlorobenzene	(µg/m3)		U		U		U
Chloroethane	(µg/m3)		U		U		U
Chloroform	(µg/m3)		U	1.0			U
Chloromethane	(µg/m3)	1.0		1.60		0.90	
alpha- Chlorotoluene	(µg/m3)		U		U		U
Cyclohexane	(µg/m3)	0.510			U	0.640	
Dibromochloromethane	(µg/m3)		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U	11.0	
1,3- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichloroethane	(µg/m3)		U		UJ		U
1,1- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U
1,4- Dioxane	(µg/m3)		U		U	0.730	
Ethanol	(µg/m3)	27.0		72.0		42.0	
Ethyl benzene	(µg/m3)	1.30		1.40		1.10	
Freon 11	(µg/m3)	1.40		2.30		2.10	
Freon 113	(µg/m3)	0.670		0.90		0.820	
Freon 114	(µg/m3)		U		U		U
Freon 12	(µg/m3)	2.50		3.70		3.50	
Hexachlorobutadiene	(µg/m3)		U		U		U
Hexane	(µg/m3)	2.10		1.50		2.50	
Methyl tert-butyl ether	(µg/m3)		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		UJ		U
Methylene chloride	(µg/m3)		U		U		U
Styrene	(µg/m3)		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U
Tetrachloroethene	(µg/m3)		U		U		U
Toluene	(µg/m3)	5.70		5.20		7.10	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U	0.670	
Trichloroethene	(µg/m3)		U		U		U
1,2,4- Trimethylbenzene	(µg/m3)	2.80		3.0		1.80	
1,3,5- Trimethylbenzene	(µg/m3)	0.940		1.0			U
2,2,4- Trimethylpentane	(µg/m3)	1.80			U		U
Vinyl chloride	(µg/m3)		U		U		U
m,p- Xylene	(µg/m3)	4.90		3.90		3.50	
o- Xylene	(µg/m3)	2.0		1.90		1.50	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 15				Structure 16	
	Sample ID	7-55-017-SS15		7-55-017-BA15		7-55-017-BA16	
	Lab ID	0811442B-18A		0811442B-16A		0811442B-17A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air		Basement Indoor Air	
	Sample Date	11/13/2008		11/13/2008		11/12/2008	
Benzene	(µg/m3)	3.0		1.80		0.920	
Bromodichloromethane	(µg/m3)		U		U		U
Bromoform	(µg/m3)		U		U		U
Bromomethane	(µg/m3)		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	4.0		0.510		1.10	
tert- Butyl alcohol	(µg/m3)		U		U		U
Carbon tetrachloride	(µg/m3)		U	0.850			U
Chlorobenzene	(µg/m3)		U		U		U
Chloroethane	(µg/m3)		U		U		U
Chloroform	(µg/m3)		U		U		U
Chloromethane	(µg/m3)		U	1.20		0.660	
alpha- Chlorotoluene	(µg/m3)		U		U		U
Cyclohexane	(µg/m3)	0.680			U		U
Dibromochloromethane	(µg/m3)		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichloroethane	(µg/m3)		U		UJ		U
1,1- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U
Ethanol	(µg/m3)	4.80		34.0		15.0	
Ethyl benzene	(µg/m3)	1.70			U		U
Freon 11	(µg/m3)	1.40		2.0		1.40	
Freon 113	(µg/m3)		U	0.920		0.740	
Freon 114	(µg/m3)		U		U		U
Freon 12	(µg/m3)	2.40		3.70		2.40	
Hexachlorobutadiene	(µg/m3)		U		U		U
Hexane	(µg/m3)	3.40		0.70		0.690	
Methyl tert-butyl ether	(µg/m3)		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		UJ		U
Methylene chloride	(µg/m3)		U		U		U
Styrene	(µg/m3)	1.10			U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U
Tetrachloroethene	(µg/m3)		U		U	1.10	
Toluene	(µg/m3)	12.0		3.60		1.50	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U
Trichloroethene	(µg/m3)		U		U		U
1,2,4- Trimethylbenzene	(µg/m3)	3.50			U		U
1,3,5- Trimethylbenzene	(µg/m3)	1.10		0.860			U
2,2,4- Trimethylpentane	(µg/m3)	10			U		U
Vinyl chloride	(µg/m3)		U		U		U
m,p- Xylene	(µg/m3)	7.20		1.60		0.760	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 17				Structure 18			
	Sample ID	7-55-017-SS17		7-55-017-BA17		7-55-017-SS18		7-55-017-BA18	
	Lab ID	0811442B-10A		0811442B-15A		0811442B-21A		0811442B-20A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air		Sub-slab Vapor		Basement Indoor Air	
	Sample Date	11/12/2008		11/12/2008		11/12/2008		11/12/2008	
Benzene	(µg/m3)	1.40		3.90		1.30		0.820	
Bromodichloromethane	(µg/m3)		U	1.30			U		U
Bromoform	(µg/m3)		U		U		U		U
Bromomethane	(µg/m3)		U		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	9.50		1.70		1.30		4.70	
tert- Butyl alcohol	(µg/m3)		U		U		U	2.20	
Carbon tetrachloride	(µg/m3)	0.710		0.880			U	0.590	
Chlorobenzene	(µg/m3)		U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U
Chloroform	(µg/m3)	1.10		7.50			U		U
Chloromethane	(µg/m3)		U	2.10		1.20		0.740	
alpha- Chlorotoluene	(µg/m3)		U		U		U		U
Cyclohexane	(µg/m3)		U	1.40			U		U
Dibromochloromethane	(µg/m3)		U		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U		U
1,2- Dichloroethane	(µg/m3)		U		UJ		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U
Ethanol	(µg/m3)	38.0		16.0		16.0		74.0	
Ethyl benzene	(µg/m3)	1.20		3.70		0.850		0.650	
Freon 11	(µg/m3)	2.50		2.30		1.50		1.40	
Freon 113	(µg/m3)		U	0.880			U	0.610	
Freon 114	(µg/m3)		U		U		U		U
Freon 12	(µg/m3)	3.30		3.90		2.10		2.20	
Hexachlorobutadiene	(µg/m3)		U		U		U		U
Hexane	(µg/m3)	0.910		4.20		2.30		1.30	
Methyl tert-butyl ether	(µg/m3)		U		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		UJ		U		U
Methylene chloride	(µg/m3)		U	1.70			U		U
Styrene	(µg/m3)		U	0.870			U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U
Tetrachloroethene	(µg/m3)		U		U	1.70		2.50	
Toluene	(µg/m3)	4.20		21.0		4.60		1.50	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U		U
Trichloroethene	(µg/m3)		U		U	1.70		0.450	
1,2,4- Trimethylbenzene	(µg/m3)	2.30		10		1.50		1.60	
1,3,5- Trimethylbenzene	(µg/m3)		U	3.30			U	0.70	
2,2,4- Trimethylpentane	(µg/m3)		U		U		U		U
Vinyl chloride	(µg/m3)		U		U		U		U
m,p- Xylene	(µg/m3)	3.70		13.0		3.60		2.40	
o- Xylene	(µg/m3)		U	5.50		1.10		0.960	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 19		Structure 20			
	Sample ID	7-55-017-BA19		7-55-017-SS20		7-55-017-BA20	
	Lab ID	0811442B-19A		0811442B-23A		0811442A-05A	
	Sample Type	Basement Indoor Air		Sub-slab Vapor		Basement Indoor Air	
	Sample Date	11/12/2008		11/12/2008		11/12/2008	
Benzene	(µg/m3)	0.790		3.60		1.10	
Bromodichloromethane	(µg/m3)		U		U		U
Bromoform	(µg/m3)		U		U		U
Bromomethane	(µg/m3)		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	0.80		16.0		5.70	
tert- Butyl alcohol	(µg/m3)		U		U		U
Carbon tetrachloride	(µg/m3)	0.680			U	0.830	
Chlorobenzene	(µg/m3)		U		U		U
Chloroethane	(µg/m3)		U		U		U
Chloroform	(µg/m3)		U	1.70		1.90	
Chloromethane	(µg/m3)	0.80		0.80		0.970	
alpha- Chlorotoluene	(µg/m3)		U		U		U
Cyclohexane	(µg/m3)		U	2.30			U
Dibromochloromethane	(µg/m3)		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U
Ethanol	(µg/m3)	38.0		5.10		280	J
Ethyl benzene	(µg/m3)		U	2.0			U
Freon 11	(µg/m3)	1.30		1.40		2.10	
Freon 113	(µg/m3)		U		U	0.960	
Freon 114	(µg/m3)		U		U		U
Freon 12	(µg/m3)	2.20		2.50		3.30	
Hexachlorobutadiene	(µg/m3)		U		U		U
Hexane	(µg/m3)		U	11.0		0.760	
Methyl tert-butyl ether	(µg/m3)		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		U		U
Methylene chloride	(µg/m3)		U		U		U
Styrene	(µg/m3)		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U
Tetrachloroethene	(µg/m3)		U	0.620		0.840	
Toluene	(µg/m3)	1.20		15.0		3.10	
1,2,4- Trichlorobenzene	(µg/m3)		U		U		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U
Trichloroethene	(µg/m3)		U		U		U
1,2,4- Trimethylbenzene	(µg/m3)		U	3.70			U
1,3,5- Trimethylbenzene	(µg/m3)		U	2.80			U
2,2,4- Trimethylpentane	(µg/m3)		U		U		U
Vinyl chloride	(µg/m3)		U		U		U
m,p- Xylene	(µg/m3)		U	11.0		1.0	
o- Xylene	(µg/m3)		U	3.70	U		U

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 21					
	Sample ID	7-55-017-SS21		7-55-017-BA21		7-55-017-SS-DUP01	
	Lab ID	0811441-02A		0811441-01A		0811441-09A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air		Sub-slab Vapor Duplicate	
	Sample Date	11/13/2008		11/13/2008		11/13/2008	
Benzene	(µg/m3)	3.30		4.0		3.10	
Bromodichloromethane	(µg/m3)		U		U		U
Bromoform	(µg/m3)		U		U		U
Bromomethane	(µg/m3)		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	3.70		3.20		17.0	
tert- Butyl alcohol	(µg/m3)		U		U	3.60	
Carbon tetrachloride	(µg/m3)		U			0.720	
Chlorobenzene	(µg/m3)		U		U		U
Chloroethane	(µg/m3)		U		U		U
Chloroform	(µg/m3)		U		U		U
Chloromethane	(µg/m3)	1.10		0.70	U	0.710	
alpha- Chlorotoluene	(µg/m3)		U		U		U
Cyclohexane	(µg/m3)	1.30		1.0	U	1.40	
Dibromochloromethane	(µg/m3)		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U	0.740			U
1,3- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U
Ethanol	(µg/m3)	4.10		9.40			U
Ethyl benzene	(µg/m3)	2.40		2.80		2.60	
Freon 11	(µg/m3)	1.30		1.40		1.20	
Freon 113	(µg/m3)		U		U		U
Freon 114	(µg/m3)		U		U		U
Freon 12	(µg/m3)	2.40		2.10		2.30	
Hexachlorobutadiene	(µg/m3)		U		U		U
Hexane	(µg/m3)	4.50		4.50		4.90	
Methyl tert-butyl ether	(µg/m3)		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		U	1.20	
Methylene chloride	(µg/m3)		U		U		U
Styrene	(µg/m3)		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U
Tetrachloroethene	(µg/m3)		U		U		U
Toluene	(µg/m3)	16.0		20		16.0	
1,2,4- Trichlorobenzene	(µg/m3)		UJ		UJ		UJ
1,1,2- Trichloroethane	(µg/m3)		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U
Trichloroethene	(µg/m3)		U		U		U
1,2,4- Trimethylbenzene	(µg/m3)	4.0		3.60		3.80	
1,3,5- Trimethylbenzene	(µg/m3)	1.40		1.10		1.40	
2,2,4- Trimethylpentane	(µg/m3)	2.90		3.30		3.0	
Vinyl chloride	(µg/m3)		U		U		U
m,p- Xylene	(µg/m3)	9.20		10		9.20	
o- Xylene	(µg/m3)	3.20		4.10		3.60	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 22			
	Sample ID	7-55-017-SS22		7-55-017-BA22	
	Lab ID	0811441-04A		0811441-03A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air	
	Sample Date	11/13/2008		11/13/2008	
Benzene	(µg/m3)	5.40		2.20	
Bromodichloromethane	(µg/m3)		U		U
Bromoform	(µg/m3)		U		U
Bromomethane	(µg/m3)		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	9.90		7.30	
tert- Butyl alcohol	(µg/m3)		U		U
Carbon tetrachloride	(µg/m3)		U		U
Chlorobenzene	(µg/m3)		U		U
Chloroethane	(µg/m3)		U		U
Chloroform	(µg/m3)	4.80			U
Chloromethane	(µg/m3)	0.990		0.590	
alpha- Chlorotoluene	(µg/m3)		U		U
Cyclohexane	(µg/m3)	3.70		0.710	
Dibromochloromethane	(µg/m3)		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U
1,2- Dichloroethane	(µg/m3)		U		U
1,1- Dichloroethane	(µg/m3)		U		U
1,1- Dichloroethene	(µg/m3)		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U
1,2- Dichloropropane	(µg/m3)		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U
1,4- Dioxane	(µg/m3)		U		U
Ethanol	(µg/m3)	5.0		7.80	
Ethyl benzene	(µg/m3)	3.0		1.60	
Freon 11	(µg/m3)	1.20		1.30	
Freon 113	(µg/m3)	0.670		0.590	
Freon 114	(µg/m3)		U		U
Freon 12	(µg/m3)	2.40		2.30	
Hexachlorobutadiene	(µg/m3)		U		U
Hexane	(µg/m3)	24.0		3.0	
Methyl tert-butyl ether	(µg/m3)		U		U
4- Methyl-2-pentanone	(µg/m3)		U		U
Methylene chloride	(µg/m3)		U		U
Styrene	(µg/m3)		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U
Tetrachloroethene	(µg/m3)	1.90			U
Toluene	(µg/m3)	28.0		11.0	
1,2,4- Trichlorobenzene	(µg/m3)		UJ		UJ
1,1,2- Trichloroethane	(µg/m3)		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U
Trichloroethene	(µg/m3)		U		U
1,2,4- Trimethylbenzene	(µg/m3)	3.30		1.70	
1,3,5- Trimethylbenzene	(µg/m3)	2.80			U
2,2,4- Trimethylpentane	(µg/m3)	5.20		2.10	
Vinyl chloride	(µg/m3)		U		U
m,p- Xylene	(µg/m3)	13.0		5.60	
o- Xylene	(µg/m3)	4.50		2.20	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 23					
	Sample ID	7-55-017-SS23		7-55-017-BA23		7-55-017-SS-DUP02	
	Lab ID	0811441-06A		0811441-05A		0811441-10A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air		Sub-slab Vapor Duplicate	
	Sample Date	11/13/2008		11/13/2008		11/13/2008	
Benzene	(µg/m3)	2.40		0.970		2.40	
Bromodichloromethane	(µg/m3)		U		U		U
Bromoform	(µg/m3)		U		U		U
Bromomethane	(µg/m3)		U		U		U
2- Butanone (Methyl ethyl ketone)	(µg/m3)	19.0		2.90		6.50	
tert- Butyl alcohol	(µg/m3)	5.90			U	11.0	
Carbon tetrachloride	(µg/m3)		U		U	0.570	
Chlorobenzene	(µg/m3)		U		U		U
Chloroethane	(µg/m3)		U		U		U
Chloroform	(µg/m3)	1.20		1.10		1.10	
Chloromethane	(µg/m3)	1.50		1.10		1.60	
alpha- Chlorotoluene	(µg/m3)		U		U		U
Cyclohexane	(µg/m3)		U		U	0.910	
Dibromochloromethane	(µg/m3)		U		U		U
1,2- Dibromoethane (EDB)	(µg/m3)		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U
Ethanol	(µg/m3)	100		180	J	110	
Ethyl benzene	(µg/m3)	1.60			U	1.60	
Freon 11	(µg/m3)	3.50		4.20		3.70	
Freon 113	(µg/m3)		U		U		U
Freon 114	(µg/m3)		U		U		U
Freon 12	(µg/m3)	2.30		2.20		2.40	
Hexachlorobutadiene	(µg/m3)		U		U		U
Hexane	(µg/m3)	3.30		0.670		3.60	
Methyl tert-butyl ether	(µg/m3)		U		U		U
4- Methyl-2-pentanone	(µg/m3)	1.30			U		U
Methylene chloride	(µg/m3)		U		U		U
Styrene	(µg/m3)	0.93			U	1.0	
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U
Tetrachloroethene	(µg/m3)		U		U		U
Toluene	(µg/m3)	7.40		2.40		12.0	
1,2,4- Trichlorobenzene	(µg/m3)		UJ		UJ		UJ
1,1,2- Trichloroethane	(µg/m3)		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U
Trichloroethene	(µg/m3)		U		U		U
1,2,4- Trimethylbenzene	(µg/m3)	4.80		1.80		4.80	
1,3,5- Trimethylbenzene	(µg/m3)	1.80			U	1.70	
2,2,4- Trimethylpentane	(µg/m3)		U		U		U
Vinyl chloride	(µg/m3)		U		U		U
m,p- Xylene	(µg/m3)	6.40		0.830		6.60	
o- Xylene	(µg/m3)	2.20			U	2.40	

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Property ID	Structure 24		Structure 24		Structure 25		Structure 26	
	Sample ID	7-55-017-SS24		7-55-017-BA24		7-55-017-BA25		7-55-017-BA26	
	Lab ID	0811441-08A		0811441-07A		0811441-12A		0811441-13A	
	Sample Type	Sub-slab Vapor		Basement Indoor Air		Basement Indoor Air		Basement Indoor Air	
	Sample Date	11/13/2008		11/13/2008		11/13/2008		11/13/2008	
Benzene	(µg/m3)	2.20		1.0		0.990		0.940	
Bromodichloromethane	(µg/m3)		U		U		U		U
Bromoform	(µg/m3)		U		U		U		U
Bromomethane	(µg/m3)		U		U		U		U
2- Butanone	(µg/m3)	1.70		0.510		4.70		0.710	
tert- Butyl alcohol	(µg/m3)		U		U		U		U
Carbon tetrachloride	(µg/m3)		U	0.630		0.860		0.780	
Chlorobenzene	(µg/m3)		U		U		U		U
Chloroethane	(µg/m3)		U		U		U		U
Chloroform	(µg/m3)		U		U		U	1.0	
Chloromethane	(µg/m3)		U		U	0.810		1.0	
alpha- Chlorotoluene	(µg/m3)		U		U		U		U
Cyclohexane	(µg/m3)	1.20			U		U		U
Dibromochloromethane	(µg/m3)		U		U		U		U
1,2- Dibromoethane	(µg/m3)		U		U		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U		U		U
1,2- Dichloroethane	(µg/m3)		U		U		U		U
1,1- Dichloroethane	(µg/m3)		U		U		U		U
1,1- Dichloroethene	(µg/m3)		U		U		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U		U		U
1,2- Dichloropropane	(µg/m3)		U		U		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U		U		U
1,4- Dioxane	(µg/m3)		U		U		U		U
Ethanol	(µg/m3)	4.90		5.0		3.90		42.0	
Ethyl benzene	(µg/m3)	1.60			U		U		U
Freon 11	(µg/m3)	1.40		1.40		1.80		1.70	
Freon 113	(µg/m3)		U	0.660		0.740		0.730	
Freon 114	(µg/m3)		U		U		U		U
Freon 12	(µg/m3)	2.40		2.40		2.40		4.40	
Hexachlorobutadiene	(µg/m3)		U		U		U		U
Hexane	(µg/m3)	3.50			U	1.20		0.680	
Methyl tert-butyl ether	(µg/m3)		U		U		U		U
4- Methyl-2-pentanone	(µg/m3)		U		U	1.0			U
Methylene chloride	(µg/m3)		U		U	2.90			U
Styrene	(µg/m3)		U		U		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U		U		U
Tetrachloroethene	(µg/m3)		U		U		U		U
Toluene	(µg/m3)	6.30		1.80		3.60		3.70	
1,2,4- Trichlorobenzene	(µg/m3)		UJ		UJ		UJ		U
1,1,2- Trichloroethane	(µg/m3)		U		U		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U		U		U
Trichloroethene	(µg/m3)		U		U		U		U
1,2,4- Trimethylbenzene	(µg/m3)	2.70			U		U		U
1,3,5- Trimethylbenzene	(µg/m3)	1.50			U		U		U
2,2,4- Trimethylpentane	(µg/m3)		U		U		U		U
Vinyl chloride	(µg/m3)		U		U		U		U
m,p- Xylene	(µg/m3)	6.30		1.40		1.50			U
o- Xylene	(µg/m3)	2.0			U		U		U

TABLE 4 VAPOR INTRUSION ANALYTICAL DATA

Parameter List USEPA Method TO-15	Associated Properties	Structure 6, 7, 8, 9, 11, 12, 13, 14, 16, 17, 18, 19, & 20		Structure 10, 15, 21, 22, 23, 24, 25, & 26	
	Sample ID	7-55-017-OA17		7-55-017-OA24	
	Lab ID	0811442A-08A		0811441-11A	
	Sample Type	Outdoor Air		Outdoor Air	
	Sample Date	11/12/2008		11/13/2008	
Benzene	(µg/m3)	1.20		1.20	
Bromodichloromethane	(µg/m3)		U		U
Bromoform	(µg/m3)		U		U
Bromomethane	(µg/m3)		U		U
2- Butanone	(µg/m3)	1.60		3.70	
tert- Butyl alcohol	(µg/m3)		U		U
Carbon tetrachloride	(µg/m3)	0.790	J		U
Chlorobenzene	(µg/m3)		U		U
Chloroethane	(µg/m3)		U		U
Chloroform	(µg/m3)		U		U
Chloromethane	(µg/m3)	1.50		1.0	
alpha- Chlorotoluene	(µg/m3)		U		U
Cyclohexane	(µg/m3)		U		U
Dibromochloromethane	(µg/m3)		U		U
1,2- Dibromoethane	(µg/m3)		U		U
1,4- Dichlorobenzene	(µg/m3)		U		U
1,3- Dichlorobenzene	(µg/m3)		U		U
1,2- Dichlorobenzene	(µg/m3)		U		U
1,2- Dichloroethane	(µg/m3)		U		U
1,1- Dichloroethane	(µg/m3)		U		U
1,1- Dichloroethene	(µg/m3)		U		U
trans,1-2- Dichloroethene	(µg/m3)		U		U
cis-1,2- Dichloroethene	(µg/m3)		U		U
1,2- Dichloropropane	(µg/m3)		U		U
trans-1,3- Dichloropropene	(µg/m3)		U		U
cis-1,3- Dichloropropene	(µg/m3)		U		U
1,4- Dioxane	(µg/m3)		U		U
Ethanol	(µg/m3)	7.80		15.0	
Ethyl benzene	(µg/m3)		U		U
Freon 11	(µg/m3)	2.10		1.40	
Freon 113	(µg/m3)	1.10			U
Freon 114	(µg/m3)		U		U
Freon 12	(µg/m3)	3.50		2.50	
Hexachlorobutadiene	(µg/m3)		U		U
Hexane	(µg/m3)	1.20			U
Methyl tert-butyl ether	(µg/m3)		U		U
4- Methyl-2-pentanone	(µg/m3)		U		U
Methylene chloride	(µg/m3)		U		U
Styrene	(µg/m3)		U		U
1,1,2,2- Tetrachloroethane	(µg/m3)		U		U
Tetrachloroethene	(µg/m3)		U		U
Toluene	(µg/m3)	6.60		2.10	
1,2,4- Trichlorobenzene	(µg/m3)		U		UJ
1,1,2- Trichloroethane	(µg/m3)		U		U
1,1,1- Trichloroethane	(µg/m3)		U		U
Trichloroethene	(µg/m3)	0.470			U
1,2,4- Trimethylbenzene	(µg/m3)	0.750			U
1,3,5- Trimethylbenzene	(µg/m3)		U		U
2,2,4- Trimethylpentane	(µg/m3)		U		U
Vinyl chloride	(µg/m3)		U		U

NOTE: UJ = The analyte was not detected above the reporting limit; however, the quatitation limit is estimated.

TABLE 5 VOLATILE ORGANIC COMPOUNDS (VOCs) DETECTED IN SUBSURFACE SOIL SAMPLES NOVEMBER 2008

Parameter List USEPA Method 8260B	Sample ID	7-55-017-SV-01P (8')		7-55-017-SV-16		7-55-017-SV-17		DUPLICATE[a]		6 NYCRR Part 375 Guidelines Unrestricted Use (ppm)
	Lab ID	AC40911-001		AC40911-002		AC40911-003		AC40911-009		
	Sample Type	Subsurface Soil		Subsurface Soil		Subsurface Soil		QA/QC Duplicate		
	Sample Date	11/4/2008		11/4/2008		11/4/2008		11/4/2008		
Cyclohexane	(mg/kg)	0.00570	J	(<0.00550)	UJ	(<0.00570)	UJ	(<0.00490)	UJ	---
Ethylbenzene	(mg/kg)	0.0040	J	(<0.00110)	U	(<0.00110)	U	0.00140	J	---
Methylcyclohexane	(mg/kg)	0.00610	J	(<0.00550)	UJ	(<0.00570)	UJ	0.0050	J	---
Methylene chloride	(mg/kg)	0.0080	J	(<0.00550)	U	(<0.00570)	U	0.00630	J	0.05
Toluene	(mg/kg)	0.0160	J	0.00110		0.00140		0.0110	J	0.7
Trichloroethene	(mg/kg)	0.00630	J	(<0.00550)	U	(<0.00570)	U	(<0.00490)	U	0.47
m&p- Xylenes	(mg/kg)	0.0160	J	(<0.00220)	U	(<0.00230)	U	0.00780	J	---
o- Xylene	(mg/kg)	0.00320	J	(<0.00110)	U	(<0.00110)	U	0.00150	J	---
Xylenes (Total)	(mg/kg)	0.0190	J	(<0.00110)	U	(<0.00110)	U	0.00930	J	0.26

NOTE: USEPA = United States Environmental Protection Agency
NYCRR = New York Code of Rules and Regulations
J = Analyte was positively identified, the associated numerical value is the approximate concentration of the analyte in the sample
U = Analyzed but not reported at a concentration above the reporting limit. Sample quantitation limits are shown as (<___).
mg/kg = milligrams per kilogram = parts per million (ppm)
Dashes indicate no applicable standard, criteria, or guidance value.
[a] *Duplicate sample was collected with 7-55-017-SV-01 P (8')*