ENVIRONMENTAL STRATEGIES CONSULTING LLC
11911 Freedom Drive, Suite 900 • Reston, Virginia 20190 • (703) 709-6500 • Fax (703) 709-8505

April 25, 2006

Ms. Henriette Hamel
Regional Coordinator
Environmental Health Assessment
New York State Department of Health
217 S. Salina Street, 3rd floor
Syracuse, NY 13202

Re: Indoor Air Testing Results for EPT Facility Buildings
Emerson Power Transmission Facility, Ithaca, New York
Order on Consent #A7-0125-87-09

Dear Ms. Hamel:

Environmental Strategies Consulting LLC, on behalf of Emerson, is submitting the results of indoor air and subslab soil gas testing conducted in the Emerson Power Transmission (EPT) facility buildings in Ithaca, New York, on February 15 and 16, 2006. The objective of this second round of indoor air testing was to verify the measurements of volatile organic compounds (VOCs) in select indoor air and subslab soil gas samples collected in December 2005. The testing activities were conducted in accordance with Environmental Strategies' revised work plan, dated November 8, 2005, which was approved by the New York State Department of Health (NYSDOH).

Scope of Work

The scope of work involved collecting concurrent indoor air and subslab soil gas samples at six locations within the EPT facility buildings and an outdoor air sample at a location selected in the field. The indoor air and subslab soil gas samples were collected from areas that are slab-on-grade, which are highlighted in yellow on Figure 1. The sample locations were some of the same as those used in December 2005.

Indoor Air Sampling

Indoor air samples were collected in Buildings 3, 4, 24, and 33. The sample locations and the corresponding building numbers are shown on Figure 1. Indoor air samples were collected using evacuated 1-liter Entech Instruments, Inc. (Entech), canisters positioned approximately 3 feet above the floor to be representative of the breathing zone. Physical and visual barriers were placed around the canisters, if deemed appropriate, so that they would not be disturbed during sample collection. The flow regulators were pre-set by the laboratory to collect the samples over 24 hours. The canisters were labeled with the sample name and the flow regulators were connected to the canisters to initiate sample collection. After 24 hours, the flow regulators were removed from the canisters to complete the sample collection. The sample name, location, time and date of sample collection, canister and regulator number, and analytical method was recorded on the chain-of-custody form and in the field log book.

Subslab Soil Gas Sampling

At each sampling location, soil gas samples were collected using a probe constructed of 3/8-inch outside-diameter Teflon®-lined tubing, a hydrated bentonite seal, and a surface seal consisting of non-hardening modeling clay. The probes were installed during the December 2005 sampling event.

Before the subslab soil gas sample was collected, a pre-sample purge was conducted to remove dilution air from the tubing and probe assembly. One to three probe volumes of air were evacuated from each sample location at a rate not exceeding 0.2 liter per minute using a hand pump. The purged air was collected in a Tedlar® bag. Following the pre-sample purge, vapor samples were collected using evacuated 1-liter Entech canisters and dedicated flow controllers that were pre-set by the laboratory to collect the soil gas sample over 24 hours. After 24 hours, the regulator was disconnected from the canister to complete the sample collection. The sample name, location, time and date of sample collection, sample regulator and canister number, and the analytical method to be used was recorded on the chain of custody form and in the field log book. The subslab sampling probes were left in place pending receipt of the sample results. However, Environmental Strategies intends to remove the subslab soil gas probes in the near future and patch the holes with concrete.

Outdoor Air Sampling

An outdoor air sample was collected at a location upwind of the facility buildings on the same day that indoor air samples were collected to assist in evaluating site-specific background outdoor air quality. The outdoor air sample location was selected in the field and is shown on Figure 1. In accordance with NYSDOH guidance, the outdoor sample was collected approximately 3 to 5 feet above the ground and away from wind obstructions (e.g., trees, brush, wooden fences). The outdoor air sample collection began within approximately 1 hour of initiating the indoor air sample collection activities. The outdoor air sample was collected with an evacuated 1-liter Entech canister over 24 hours using the same procedures and analytical methods described above for the indoor air samples. Outdoor conditions were documented during the sampling activities in accordance with Section 2.7.4 of the NYSDOH guidance.

Sample Analysis

All sample containers were shipped, or transported by courier, under ambient conditions to a NYSDOH Environmental Laboratory Approval Program laboratory under strict chain-of-custody procedures. The samples were analyzed for the complete list of VOCs specified in U.S. Environmental Protection Agency (EPA) Method TO-15. Analytical results for all VOCs detected by EPA Method TO-15 are reported in Tables 1 and 2. The minimum detection limits using EPA Method TO-15 for all sample types was 0.25 $\mu g/m^3$ for trichloroethene (TCE) and 1 $\mu g/m^3$ for all other VOCs.

Quality Assurance/Quality Control

The Entech canisters used for the sampling activities were certified-clean by the selected laboratory. This certification involves analyzing the ambient air inside a clean canister by EPA

Method TO-15. If no target compounds are detected at concentrations above the reporting limits, then the canister is evacuated again and all canisters from that lot are available for sampling. If target compounds are detected at concentrations above the reporting limits, then all canisters from that lot must be recleaned and a single canister is reanalyzed for the target compounds. A duplicate soil gas sample was collected from the basement of Building 3. In addition, a laboratory-prepared trip blank accompanied the sample canister for one of the indoor air samples from the laboratory to the field and from the field to the laboratory. The trip blank was used to evaluate the potential for sample cross-contamination during shipment or during sample collection.

Sample Results

The sample results for all VOCs analyzed are provided in Tables 1 and 2, which list the eight site-related compounds first. Of the eight site-related compounds, 1,1,1-trichloroethane (1,1,1-TCA), tetrachloroethylene (PCE), and TCE were detected most frequently, and the results are shown for each sample location in Figures 2 and 3. Vinyl chloride, trans-1,2-dicloroethene, and 1,2-dichloroethane were not detected in any of the subslab soil gas or indoor air samples.

The outdoor (ambient) air sample contained an estimated concentration of 0.827 ug/m3 of PCE and 1.09 $\mu g/m^3$ of TCE. Both concentrations are slightly higher than those detected in the ambient air samples collected in December 2005.

Conclusions

The subslab gas and indoor air sampling results for the main EPT facility buildings conducted in February 2006 were comparable to the results detected in December 2005. Of the eight site-related compounds, TCE, PCE, and 1,1,1-TCA were detected most frequently. Emerson will further investigate these and other areas of concern on the main EPT site during a subsequent Phase II investigation.

Please contact us if you have any questions or comments regarding these sample results.

Sincerely yours,

James P. Bulman
Executive Partner

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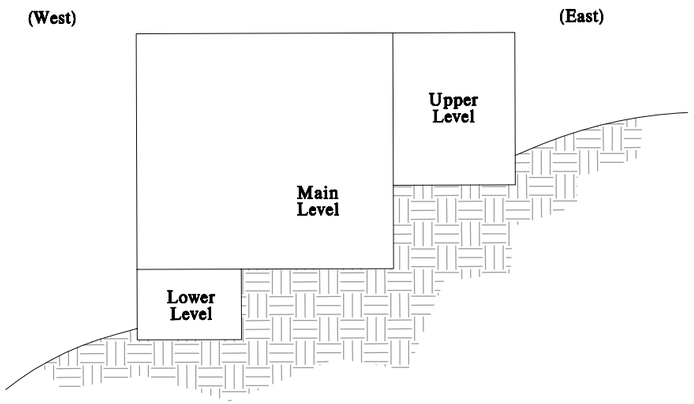
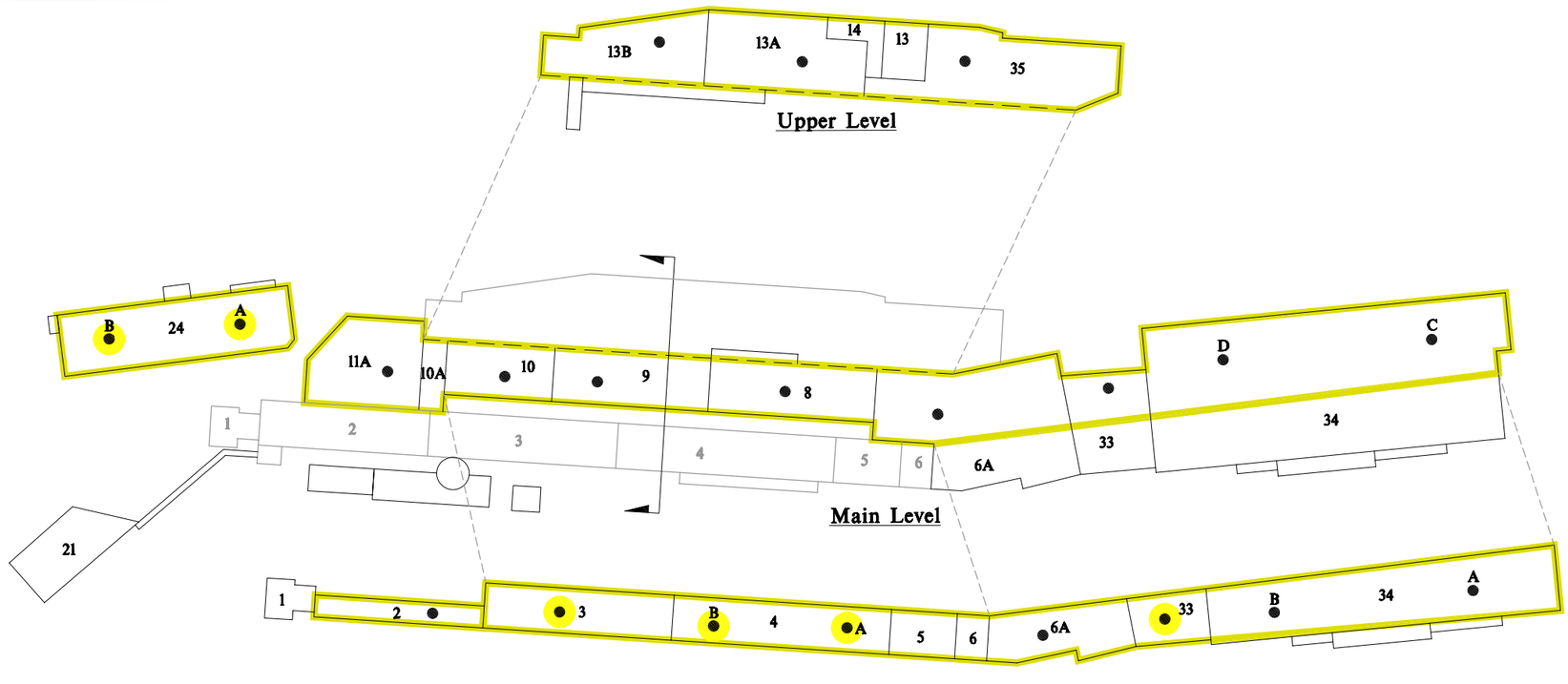
Enclosures

cc\encl: Derek Chase, Emerson
James E. Burke, NYSDEC



Section - Conceptual View



Legend

- Indoor Air and Subslab Soil Gas Sample Location
- February 2006 Sample Location
- Slab on Grade
- 11A Facility Building Number

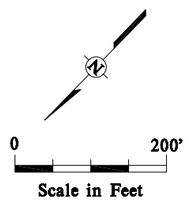


Figure 1
Building Layout and Sample Locations
Emerson Power Transmission
Ithaca, New York

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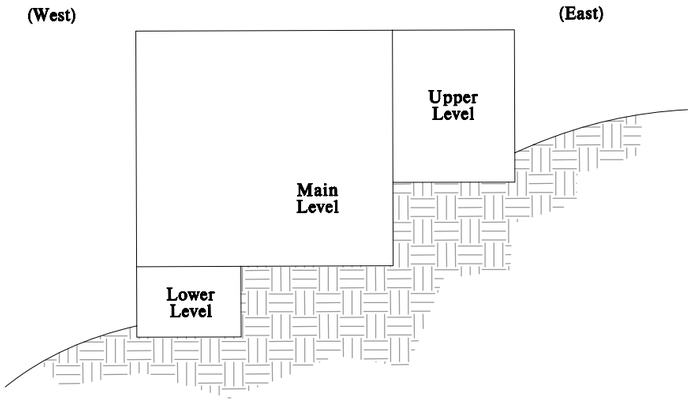
(703) 709-6500



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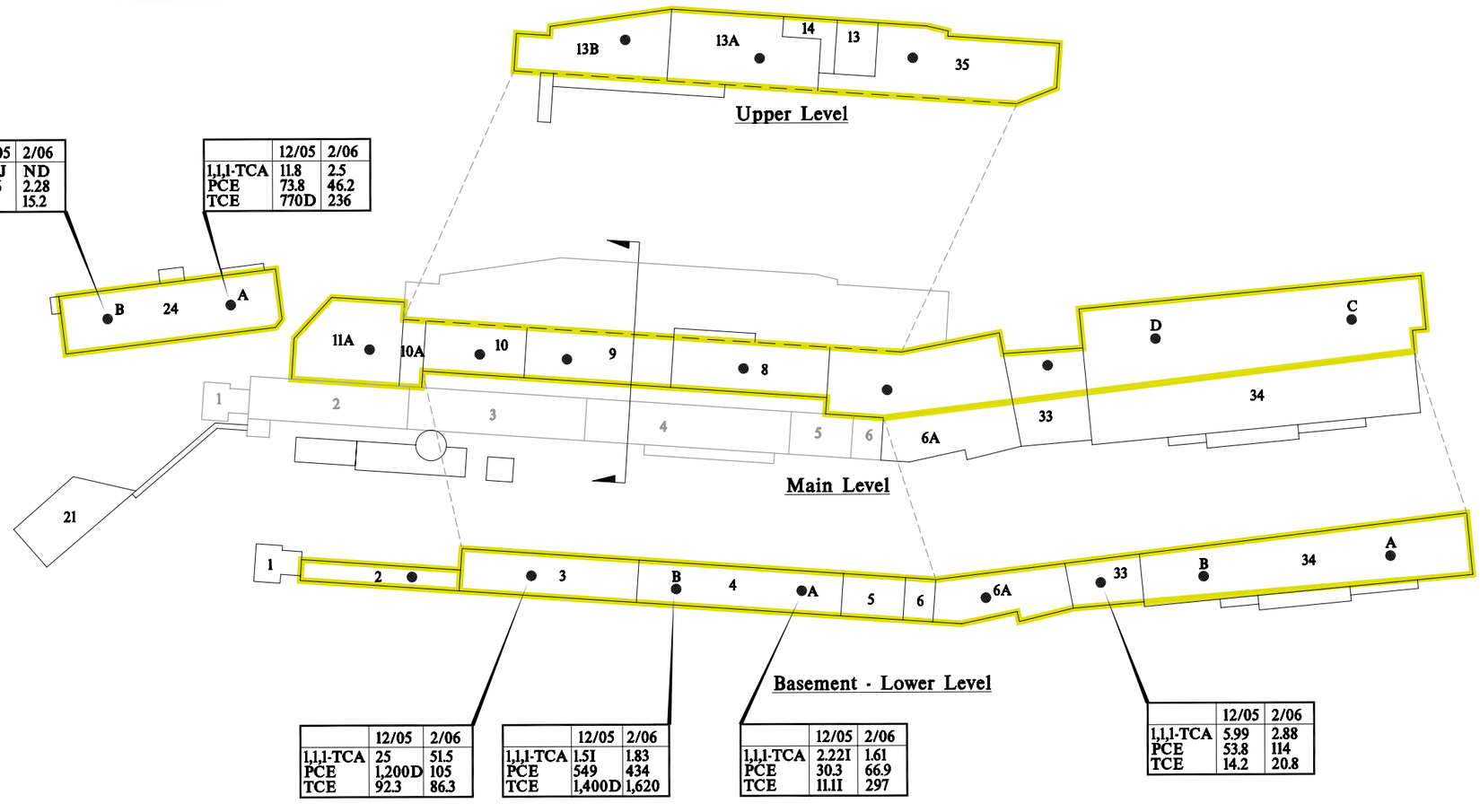
Legend

- Indoor Air and Subslab Soil Gas Sample Location
- Slab on Grade
- 11A — Facility Building Number
- 1,1,1-TCA — 1,1,1-Trichloroethane
- PCE — Trichloroethene
- TCE — Tetrachloroethylene
- ND — Not Detected

	12/05
1,1,1-TCA	24.8
PCE	27.3
TCE	5.79

Date; Results (ug/m3); Compound

I Associated Internal Standard Criteria Not Met. Estimated Result
J Analyte Detected at or Below Quantitation
D Results From Secondary Dilution



	12/05	2/06
1,1,1-TCA	0.61J	ND
PCE	2.96	2.28
TCE	19.7	15.2

	12/05	2/06
1,1,1-TCA	11.8	2.5
PCE	73.8	46.2
TCE	770D	236

	12/05	2/06
1,1,1-TCA	25	51.5
PCE	1,200D	105
TCE	92.3	86.3

	12/05	2/06
1,1,1-TCA	1.5I	1.83
PCE	549	434
TCE	1,400D	1,620

	12/05	2/06
1,1,1-TCA	2.22I	1.61
PCE	30.3	66.9
TCE	11.1I	297

	12/05	2/06
1,1,1-TCA	5.99	2.88
PCE	53.8	114
TCE	14.2	20.8

Figure 2
Subslab Soil Gas Results for Plant Buildings
Emerson Power Transmission
Ithaca, New York

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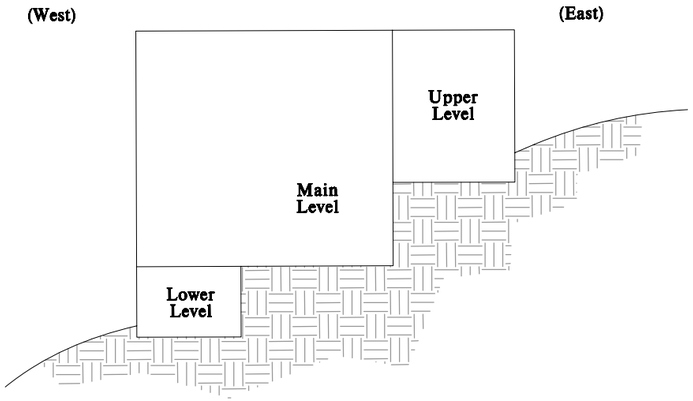


Section - Conceptual View

Legend

- Indoor Air and Subslab Soil Gas Sample Location
- Slab on Grade
- 11A — Facility Building Number
- 1,1,1-TCA — 1,1,1-Trichloroethane
- PCE — Trichloroethene
- TCE — Tetrachloroethylene
- ND — Not Detected

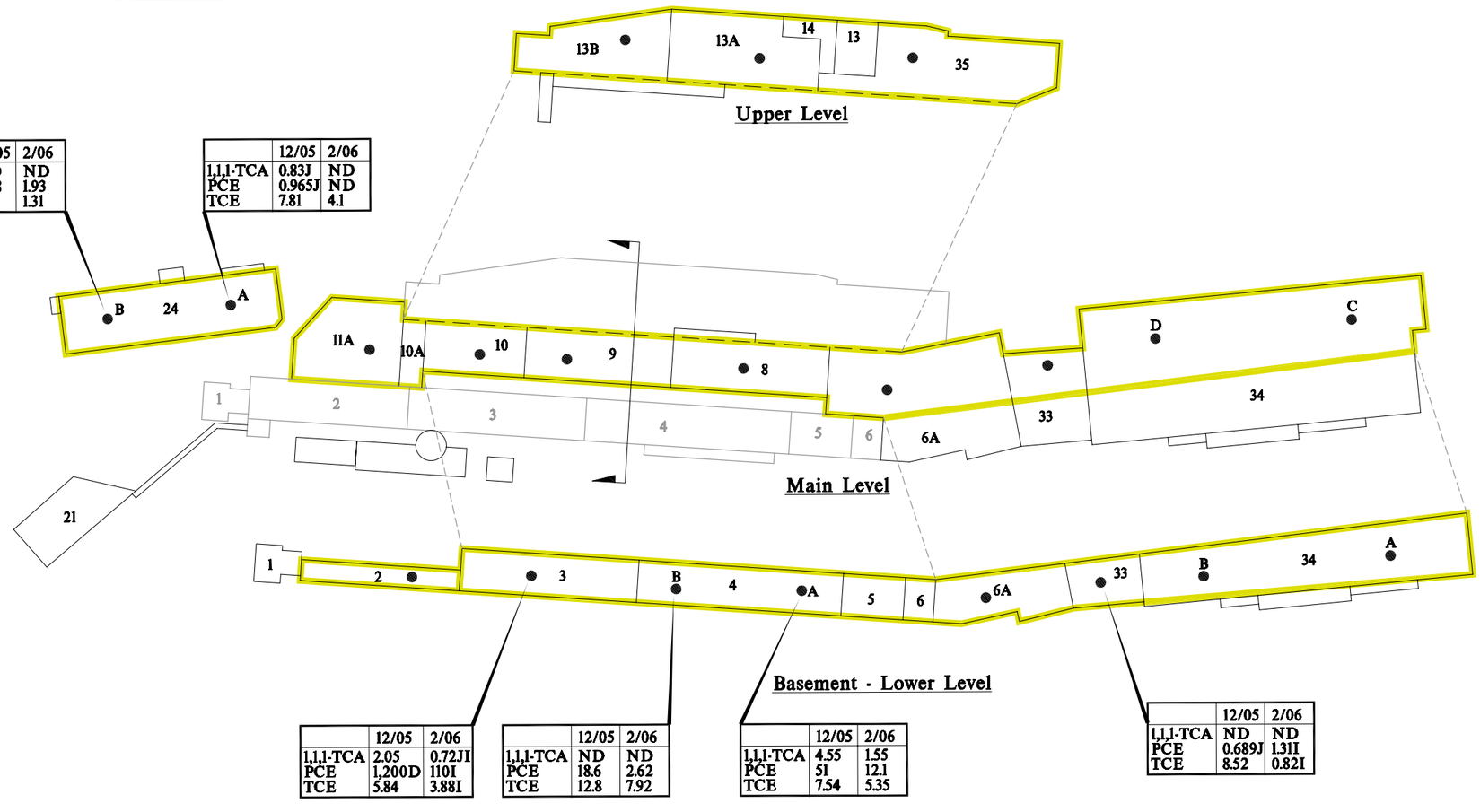
	12/05
1,1,1-TCA	24.8
PCE	27.3
TCE	5.79

Date

I Associated Internal Standard Criteria Not Met. Estimated Result
J Analyte Detected at or Below Quantitation
D Results From Secondary Dilution

Results (ug/m^3)

Compound



	12/05	2/06
1,1,1-TCA	ND	ND
PCE	2.28	1.93
TCE	1.8	1.31

	12/05	2/06
1,1,1-TCA	0.83J	ND
PCE	0.965J	ND
TCE	7.81	4.1

	12/05	2/06
1,1,1-TCA	2.05	0.72JI
PCE	1,200D	110I
TCE	5.84	3.88I

	12/05	2/06
1,1,1-TCA	ND	ND
PCE	18.6	2.62
TCE	12.8	7.92

	12/05	2/06
1,1,1-TCA	4.55	1.55
PCE	51	12.1
TCE	7.54	5.35

	12/05	2/06
1,1,1-TCA	ND	ND
PCE	0.689J	1.31I
TCE	8.52	0.82I

Figure 3
Indoor Air Results for Plant Buildings
Emerson Power Transmission
Ithaca, New York

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Table 1

Subslab Soil Gas Sample Results
Emerson Power Transmission Facility
December 2005 and February 2006 (a)

Building ID	2	3			4				6A			8	9	10	11A	13A	13B	24				33			34				35
Building Level	Basement	Basement			Basement				Basement	Main		Main	Main	Main	Main	Upper	Upper	Basement		Main		Basement		Main	Basement		Main		Upper
					A		B											B		A					A	B	C	D	
Sample Type	SSB	SSB	SSB	SSBR	SSB	SSB	SSB	SSB	SSB	SSF	SSFR	SSF	SSF	SSF	SSF	SSS	SSS	SSB	SSB	SSF	SSF	SSB	SSB	SSF	SSB	SSB	SSF	SSF	SSS
Sample Date (b)	Dec-05	Dec-05	Feb-06	Feb-06	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05
VOCs by EPA Method TO-15 (ug/m3)																													
1,1,1-Trichloroethane	1.5	25	51	55.5	2.22 I	1.61	1.5 I	1.83	10.9	8.32	7.65	78.8	43.8	680 D	43.3	15.1	3.66 I	0.61 J	0.832 U	11.8	2.5	5.99	2.88	14.7	21.6	55.5	12.2 J	1.5	24.8
1,2-Dichloroethane	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U
cis-1,2-Dichloroethene	0.604 U	2.94	2.98 C	3.34 C	1.17 I	10.5 C	172	91.5 C	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	2.62 I	0.604 U	11.9	0.604 U	0.604 UC	1.69 I	1.61 C	0.604 U	0.604 UC	0.604 U	2.34	6.73	0.604 U	0.604 U	0.604 U
Methylene chloride	3	1.27	1.34	1.59	1.69 I	0.742	3.67 I	1.48	7.13	2.9	2.37	3.57	6.81	4.03 I	3.14 I	21.2 I	12.4	4.63	0.989	5.44 I	0.53 U	4.45	0.53 U	2.44	3.46	3.95	3.35	5.37	7.1 I
Tetrachloroethylene	13.8	1200 D	105	107	30.3	66.9	549	434	41.4	4	3.79	1600 D	71.7	550 D	146	234 I	114	2.96	2.28	73.8	46.2	53.8	114	60.3	1700 D	215	74.5	14.8	27.3
trans-1,2-Dichloroethene	0.604 UC	0.604 UC	0.604 U	0.604 U	0.604 UC	0.604 U	1.33 CI	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U
Trichloroethene	7.97	92.3	86.3	94.5	11.1 I	297	1400 D	1620	116	4.26	3.5	760 D	84.1	1000 D	41.5	5.3	61.2	19.7	15.2	770 D	236	14.2	20.8	6.28	249	3800 D	51.3	5.08	5.79 I
Vinyl chloride	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
1,1,2,2-Tetrachloroethane	1.05 UC	1.05 UC	1.05 U	1.05 U	1.05 UC	1.05 U	1.05 UC	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U
1,1,2-Trichloroethane	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U
1,1-Dichloroethane	0.617 U	0.617 U	3.04	2.92	0.617 U	0.617 U	0.617 U	0.658	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	12.8	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	5.1	2.26	1.19	0.617 U	0.617 U
1,1-Dichloroethene	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U
1,2,4-Trichlorobenzene	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U
1,2,4-Trimethylbenzene	2.45	54	7.49 U	7.49 U	6.95 I	4.45	10.5	4.05	5.2	7	6.95	1.75	7.99	5.85 I	2 I	59 I	11.2	2.75	3.85	9.34	4.85	3.05	3.9	28.7	31.5	3.25	2.3	7.19	2.8 I
1,2-Dibromoethane	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U
1,2-Dichlorobenzene	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U
1,2-Dichloropropane	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U
1,3,5-Trimethylbenzene	2.3	15.5	4.2	4.8	1.8 I	2.55	4.55 I	1.75	3.05	3.05	2.6	2.25	7.4	6.2 I	2.85 I	18 I	10.5 I	2.05	2.95	3.9	2.65	3.05	1.65	9.49	6.5 J	1.3	0.75 U	5.35	2.7 I
1,3-Butadiene	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U
1,3-Dichlorobenzene	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U
1,4-Dichlorobenzene	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U
1,4-Dioxane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	0.712 UC	10.4 C	0.712 U	0.57 J	3.09 CI	0.712 U	0.712 UC	0.712 U	0.712 U	0.712 J	0.807	0.712 U	1.23	0.712 U	0.712 U	0.617 J	0.712 U	0.712 U	0.712 U	0.712 U	0.712 U	0.712 U	0.712 U	0.712 U	0.712 U	0.712 U	0.712 U	0.712 U	0.712 U
4-Ethyltoluene	0.75 UC	17.5 CI	5.35	5.3	1.95 CI	0.949	2.6 CI	0.75 U	0.6 J	1.8 C	2.1 C	0.75 UC	2.9 C	4.45 CI	0.75 UC	12 JI	2.6 CI	0.5 J	1.1	1.65 C	1.1	0.75 U	0.5 J	4.7 C	6 J	0.75 U	0.75 U	1.35 C	0.6 JCI
Acetone	0.724 U	0.724 U	0.724 U	0.724 U	0.724 U	0.724 U	105	0.724 U	61.8	241	241	43.2	0.724 UC	0.724 UC	53.1	23.2 I	62.3	0.724 U	0.724 U	0.724 UC	0.724 U	74.4	0.724 U	22.3	50.2	45.4	44.4	0.724 UC	0.724 UC
Allyl chloride	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U
Benzene	0.487 U	31.2	7.14	7.79	5.16 I	0.39 J	1.36 I	0.649	1.01	8.12	8.6	0.974	15.9	31.2	1.27 I	14.3 I	7.63	0.682	0.325 J	5.78	1.46	0.682	0.487 U	0.52	1.46	1.69	0.909	1.33	3.77 I
Benzyl chloride	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U
Bromodichloromethane	1.02 U	3.41	1.02 UC	1.02 UC	1.02 U	3.27 C	1.57 I	1.02 UC	1.02 U	1.02 U	1.02 U	1.36	21.8	9.94 I	1.43 I	8.72	5.65 I	1.02 U	1.02 UC	4.97	1.02 UC	1.02 U	1.02 UC	1.02 U	3.41	1.02 U	1.02 U	1.02 U	1.02 U
Bromoform	1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	18.9 JC	1.58 UC	1.58 UC	1.58 UC	1.58 UC	1.58 UC	1.58 UC	1.58 U	1.58 UC	1.58 U	1.58 U	3.99 C	1.58 U	1.58 U	1.58 U	1.58 UC	1.58 U	1.58 U	1.58 U	1.58 UC	1.58 UC
Bromomethane	0.592 UC	0.592 UC	0.592 U	0.592 U	0.592 UC	0.592 U	0.592 UC	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U
Carbon disulfide	0.475 U	4.37	1.01	1.11	0.475 U	0.317 J	1.58 I	0.443 J	1.33	0.475 U	0.475 U	2.82	18.4	11.4	1.96 I	15.8 I	12.2	3.51	0.411 J	14.2	0.538	1.87	0.348 J	0.823	2.37	1.61	1.39	0.475 U	2.91 I
Carbon tetrachloride	1.02	0.959 U	0.959 U	0.959 U	0.959 U	0.64 J	0.959 U	0.959 U	1.41	1.41 C	0.959 UC	0.959 UC	0.959 UC	0.959 UC	1.15 CI	0.959 U	0.895 JCI	1.28	0.576 J	0.959 UC	0.959 U	0.959 U	0.959 U	0.959 UC	0.959 U	1.22	0.895 J	0.959 UC	0.959 UC
Chlorobenzene	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U
Chloroethane	0.402 U	0.402 U	0.402 UC	0.402 UC	0.402 U	0.402 UC	0.402 U	0.402 UC	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.912 I	0.402 U	0.402 U	0.402 U	0.402 U	0.402 UC	0.402 U	0.402 UC	0.402 U	0.402 UC	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U
Chloroform	2.08	38.7	3.92	3.87	4.81 I	23.3	28.3	6.3	3.77	2.53	2.53	26.8	326	165	23.3	127 I	74	10.8	8.19	56.1	1.84	2.38	2.18	2.98	33.3	14.9	4.81	0.546 J	20.4
Chloromethane	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.777	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U
cis-1,3-Dichloropropene	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U
Cyclohexane	0.525 UC	0.525 UC	1.01	0.98	2.59 CI	0.525 U	0.525 UC	0.525 U	0.525 U	1.78	1.75	0.525 U	7.7	48.3	0.84 I	4.16	2.06 I	0.525 U	0.525 U	2.34	0.525 U	0.525 U	0.525 U	0.525 U	0.525 U	0.525 U	0.525 U	0.525 U	5.56 I
Dibromochloromethane	1.3 UC	1.3 UC	1.3 U	1.3 U	1.3 UC	1.3 U	1.3 UC	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Ethyl acetate	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U
Ethylbenzene	0.485 J	33.1	9.22	9	3.88 I	0.794	11.5	0.75	1.37	6	7.02	0.53 J	11	1900 D	8.17 I	48.5 I	3.75	3.66	0.618 J	3.09 J	1.1	0.706	0.441 J	2.69	25.2	1.46	1.06	1.72	3.71
Freon 11	1.54	1.48	1.77	1.77	1.09 I	1.83	1.14 I	1.71	3.71	3.43 C	3.37 C	3.31 C	3.37 C	5.31 CI	2.17 CI	2.17	2.46 CI	3.6	1.83	2.57 CI	1.94	3.66	1.83	3.2 C	3.54	3.6	3.54	3.31 C	0.914 CI
Freon 113	1.17 U	1.17 U	0.857 J	1.17 U	1.17 U	0.935 J	1.17 U	0.857 J	1.64	1.64	1.48	1.64	1.87	1.17 U	1.01 JI	1.56	1.17 I	1.56	0.857 J	1.01 JI	0.857 J	1.79	0.935 J	1.56	1.79	1.71	1.64	1.56	1.32 I
Freon 114	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U
Freon 12	0.754 UC	0.754 UC	3.37	3.47	2.51 CI	3.87	2.71 CI	3.67	0.754 U	5.93	5.48	0.754 U	0.754 U	16.1	3.87 I	5.18	0.754 U	5.18	3.67	0.754 U	3.62	0.754 U	3.82	5.38	0.754 U	0.754 U	6.28	0.754 U	1.91 I
Heptane	0.625 UC	10.8 C	0.625 U	0.625 U	2.5 CI	0.625 U	0.625 UC	0.625 U	0.625 U	3	3.12	0.625 U	8.29	22.5	1.42 I	5.33	0.625 U	0.666	0.625 U	3.83	0.625 U	0.625 U	0.625 U	0.625 J	3.04	0.625 U	0.625 U	0.625 U	3.75 I
Hexachloro-1,3-butadiene	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U

Table 1

Subslab Soil Gas Sample Results
Emerson Power Transmission Facility
December 2005 and February 2006 (a)

Building ID	2	3			4				6A			8	9	10	11A	13A	13B	24				33			34				35
Building Level	Basement	Basement			Basement				Basement	Main		Main	Main	Main	Main	Upper	Upper	Basement		Main		Basement		Main	Basement		Main		Upper
					A		B											B		A					A		C	D	
Sample Type	SSB	SSB	SSB	SSBR	SSB	SSB	SSB	SSB	SSB	SSF	SSFR	SSF	SSF	SSF	SSF	SSS	SSS	SSB	SSB	SSF	SSF	SSB	SSB	SSF	SSB	SSB	SSF	SSF	SSS
Sample Date (b)	Dec-05	Dec-05	Feb-06	Feb-06	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05
VOCs by EPA Method TO-15 (ug/m3)																													
Hexane	0.537 UC	50.9 C	2.97 C	3.3 C	5.98 CI	0.537 UC	0.537 UC	0.537 UC	3.69	2.97	2.83	1.79	15	6.05 I	1.36 I	8.02	4.19 I	1.07	0.537 UC	4.8 I	0.967 C	0.537 U	0.537 UC	0.537 U	4.3	0.537 U	0.537 U	0.537 U	6.27 I
Isopropyl alcohol	0.375 U	0.375 U	0.375 UC	0.375 UC	0.375 U	0.375 UC	0.375 U	0.375 UC	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 UC	0.375 U	0.375 UC	0.375 U	0.375 UC	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U
m-Xylene	1.77	99.7	15.9 (b)	15.9 (b)	9.8 I	2.03 (b)	36.2	2.03 (b)	4.1	9.49	12.8	1.28	28.2	2000 D (b)	6.93 I	129 I	10.2	9.75	1.77 (b)	8.39	2.43 (b)	1.85	1.28 J (b)	8.96	70.6	4.5	3.09	4.94	12.4
Methyl butyl ketone	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Methyl ethyl ketone	0.899 U	0.899 U	0.899 U	0.899 U	0.899 U	0.899 U	0.899 U	0.899 U	0.899 U	0.899 UC	0.899 UC	5.91 C	5.91 C	0.899 UC	0.899 UC	5.34	0.899 UC	5.49	0.899 U	0.899 UC	0.899 U	0.899 U	0.899 U	0.899 UC	0.899 U	0.899 U	0.899 U	0.899 UC	0.899 UC
Methyl isobutyl ketone	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	6.75 I	1.25 U	1.25 U	3.79 C	4.25 C	1.25 UC	1.25 UC	1.25 UC	1.25 UC	1.25 U	1.25 UC	1.25 U	1.25 U	4.66 C	1.25 U	1.25 U	1.25 U	1.25 UC	1.25 U	1.25 U	1.25 U	1.25 UC	1.25 UC
Methyl tert-butyl ether	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 UC	0.55 UC	0.55 UC	0.55 UC	0.55 UC	0.55 UC	0.55 U	0.55 UC	0.55 U	0.55 U	0.55 UC	0.55 U	0.55 U	0.55 U	0.55 UC	0.55 U	0.55 U	0.55 U	0.55 UC	0.55 UC
o-Xylene	0.75	46.3	8.43	8.17	4.24 I	0.618 J	15.4	2.03	2.74	7.59	8.69	0.75	7.94	540 D	3.35 I	74.1 I	6.62	4.33	0.618 J	5.74 J	1.1	1.1	0.574 J	4.9	63.1	2.69	1.99	3.13	9.18 I
p-Xylene	0.662 U	45.5	15.9 (b)	15.9 (b)	4.41 I	2.03 (b)	12.8	2.03 (b)	1.99	8.52 C	7.77 C	0.75 C	16.3	2000 D (b)	4.02 CI	50.3 I	8.92 CI	5.83	1.77 (b)	8.52 C	2.43 (b)	0.927	1.28 J (b)	3.13 C	35.3	1.59	1.1	2.3 C	4.94 CI
Propylene	0.262 UC	0.262 UC	0.262 U	0.262 U	0.262 UC	0.262 U	0.262 UC	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U
Styrene	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U
Tetrahydrofuran	0.45 U	0.45 U	0.45 UC	0.45 UC	0.45 U	0.45 UC	0.45 U	0.45 UC	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 UC	0.45 U	0.45 UC	0.45 U	0.45 UC	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	2.26	290 D	28.3	32.6	49.8	4.63	11.5	2.57	13.8	103	93.5	4.48	44.4	630 D	6.17 I	51.3 I	16.7	3.91	2.87	17.6	6.66	6.13 J	14.2	4.79	9.96	11.9	4.83	8.5	13.5
trans-1,3-Dichloropropene	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U
Vinyl acetate	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 UC	0.537 UC	0.537 UC	0.537 UC	0.537 UC	0.537 UC	0.537 U	0.537 UC	0.537 U	0.537 U	0.537 UC	0.537 U	0.537 U	0.537 U	0.537 UC	0.537 U	0.537 U	0.537 U	0.537 UC	0.537 UC
Vinyl bromide	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U

a/ SSB = subslab soil gas sample collected from basement level of building;
SSBR = duplicate subslab soil gas sample collected from basement level of building;
SSF = subslab soil gas sample collected from main level of building;
SSFR = duplicate subslab soil gas sample collected from main level of building;
SSS = subslab soil gas sample collected from upper level of building;
U = not detected at the reporting limit;
J = analyte detected at or below quantitation limit;
D = results from a secondary dilution;
C = analyte exceeds calibration criteria. Quantitation estimated;
I = associated internal standard criteria not met, estimated result.
b/ Result is for m&p-xylene.

Table 2

Air Sample Results
Emerson Power Transmission Facility
December 2005 and February 2006 (a)

	Indoor																													Outdoor (c)		
Building ID	2	3		4				6A		8	9	10	11A	13A	13B	24						33			34				35	1		2
Building Level	Basement	Basement		Basement				Basement	Main	Main	Main	Main	Main	Upper	Upper	Basement			Main			Basement		Main	Basement		Main		Upper			
				A		B										B			A						A	B	C	D				
Sample Type	IAB	IAB	IAB	IAB	IAB	IAB	IAB	IAB	IAF	IAF	IAF	IAF	IAF	IAS	IAS	IAB	IABR	IAB	IAF	IAF		IAB	IAB	IAF	IAB	IAB	IAF	IAF	IAS	AA	AA	AA
Sample Date	Dec-05	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Feb-06	Dec-05	Feb-06		Dec-05	Feb-06	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Feb-06	Dec-05
VOCs by EPA Method TO-15 (ug/m3)																																
1,1,1-Trichloroethane	0.61 J	2.05	0.721 JI	4.55	1.55	0.832 U	0.832 U	1.83	5.38	2.61	0.721 J	0.777 J	0.555 J	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 J	0.832 U		0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U
1,2-Dichloroethane	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U		0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U
cis-1,2-Dichloroethene	0.604 U	1.45	1.09 CI	0.927	1.37 C	2.66	1.33 C	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 UC	1.01	0.604 UC		0.604 U	0.604 UC	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 UC	0.604 U
Methylene chloride	13.1	2.4	0.53 U	2.01	3.43	2.58	0.953	2.61	2.15	3.85	4.73	2.65	3.07	3.11	3.39	67.1	5.33	1.48	2.37	1.02		2.9	0.812 I	2.51	3.5	2.4	3.71	3.21	2.08	3.71	0.53 U	1.66
Tetrachloroethylene	9.03	1200 D	110 I	51	12.1	18.6	2.62	11.9	8.76	4.21	2.41	7.38	1.65	2.41	1.03 U	2.28	0.827 J	1.93	0.965 J	1.03 U		0.689 J	1.31 I	4.41	0.689 J	0.689 J	0.689 J	1.03 U	1.03 U	0.552 J	0.827 J	1.03 U
trans-1,2-Dichloroethene	0.604 U	0.604 UC	0.604 U	0.604 U	0.604 U	0.604 UC	0.604 U	0.604 UC	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U		0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U	0.604 UC	0.604 U	0.604 UC
Trichloroethene	0.819	5.84	3.88 I	7.54	5.35	12.8	7.92	1.26	1.69	1.37	0.437	0.765	0.492	0.382	0.218 U	1.8	5.63	1.31	7.81	4.1		8.52	0.819 I	0.437	1.37	1.47	0.328	2.46	0.218 U	0.819	1.09	0.218 U
Vinyl chloride	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U		0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
1,1,2,2-Tetrachloroethane	1.05 U	1.05 UC	1.05 U	1.05 U	1.05 U	1.05 UC	1.05 U	1.05 UC	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U		1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.05 UC	1.05 U	1.05 UC
1,1,2-Trichloroethane	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U		0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U	0.832 U
1,1-Dichloroethane	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U		0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U
1,1-Dichloroethene	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U		0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U	0.605 U
1,2,4-Trichlorobenzene	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U		1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U	1.13 U
1,2,4-Trimethylbenzene	8.29	24.5	10.8 I	5.85	5.8	3.55	2.65	3.4	4.2	5	10.4	8.99	11	10.6	22.5	15 U	15 U	4.55	1.6	3.2		2.45	7.14 I	1.7	3.3	1.45	3	6.15	0.999	1.05	1.7	0.799
1,2-Dibromoethane	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U		1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U	1.17 U
1,2-Dichlorobenzene	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U		0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U
1,2-Dichloropropane	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U		0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U
1,3,5-Trimethylbenzene	2.35	7.5 J	2.55 I	2.25	1.95	1.05	1.45	1.65	3.3	5.7	4.75	4.7	4.35	6.1	9.79	8.24	5.95	4.2	1.25	1.6		2.35	3.15 I	1.45	3.35	0.75 U	2.55	3.6	0.75 U	0.75 U	0.55 J	0.75 U
1,3-Butadiene	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U		0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U	0.337 U
1,3-Dichlorobenzene	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U		0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U
1,4-Dichlorobenzene	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U		0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U	0.917 U
1,4-Dioxane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	1.71	8.07 C	6.79 I	3.42	12	0.712 UC	0.475 J	0.712 UC	0.475 J	0.427 J	0.712 U	0.475 J	0.712 U	0.712 U	0.712 U	1.14	2.52	0.427 J	0.712 U	0.712 U		0.712 U	0.807 I	0.712 U	0.712 U	0.712 U	0.332 J	0.712 U	0.712 U	0.712 UC	0.38 J	0.712 UC
4-Ethyltoluene	2.05	7 JC	3.6 I	1.55	1.55	1.05 C	0.65 J	1.05 C	0.8	0.999	1.7	1.5	1.75	1.55	3.7	4.55	4.45	0.75 J	0.3 J	0.7 J		0.5 J	2.45 I	0.75 U	0.75 J	0.75 U	0.55 J	1.1	0.75 U	0.75 UC	0.4 J	0.75 UC
Acetone	0.724 U	230 D	0.724 U	209	0.724 U	0.724 U	0.724 U	908	229	127	115	54.1	0.724 U	0.724 U	0.724 U	0.724 U	0.724 U	0.724 U	0.724 U	0.724 U		610 D	0.724 U	265	1100 D	620 D	92.7	101	0.724 U	0.724 U	0.724 U	0.724 U
Allyl chloride	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U		0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U	0.477 U
Benzene	6.92	32.8	7.79 I	7.08	2.92	1.95	1.85	3.15	3.6	4.29	5.03	16.2	6.01	2.14	2.47	7.31	16.9	2.11	1.36	1.79		3.51	5.36 I	2.5	3.38	3.18	2.95	4.29	1.79	0.779	1.62	1.1
Benzyl chloride	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U		0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U	0.877 U
Bromodichloromethane	1.02 U	1.02 U	1.02 UC	1.02 U	1.02 UC	1.02 U	1.02 UC	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 UC	1.02 U	1.02 UC		1.02 U	1.02 UC	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 UC	1.02 U
Bromoform	1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	10.6	2.42	1.58 U	7.78	1.58 U	1.58 U	1.58 U	1.58 U	2.63	1.58 U	1.58 U	1.58 U		1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	1.58 U	1.79	1.58 U	1.58 U	1.58 U
Bromomethane	0.592 U	0.592 UC	0.592 U	0.592 U	0.592 U	0.592 UC	0.592 U	0.592 UC	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U		0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 U	0.592 UC	0.592 U	0.592 UC
Carbon disulfide	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U		0.475 U	0.475 U	0.475 U	0.475 U	0.475 U	0.348 J	0.475 U	0.475 U	0.475 U	0.475 U	0.475 U
Carbon tetrachloride	0.959 U	0.576 J	0.959 U	0.959 J	0.64 J	0.64 J	0.64 J	0.959 U	0.959 U	0.959 U	0.959 U	0.959 U	0.959 U	0.959 U	0.959 U	0.959 U	0.959 U	0.831 J	0.959 U	0.831 J		0.959 U	0.959 U	0.959 U	0.959 U	0.959 U	0.959 U	0.959 U	0.959 U	0.767 J	0.959 U	0.64 J
Chlorobenzene	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U		0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U	0.702 U
Chloroethane	0.402 U	0.402 U	0.402 UC	0.402 U	0.402 UC	0.402 U	0.402 UC	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.402 UC	0.402 U	0.402 UC		0.402 U	0.402 UC	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.402 U	0.402 UC	0.402 U
Chloroform	0.546 J	2.63	1.44 I	4.22	2.53	1.79	1.14	0.893	1.74	3.18	0.794	1.29	1.24	0.744 U	0.744 U	0.744 U	0.744 U	0.744 U	0.744 U	0.744 U		0.744 U	0.744 U	0.744 U	0.744 U	0.744 U	0.744 U	0.744 U	0.744 U	0.744 U	0.744 U	0.744 U
Chloromethane	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	1.34	1.6	0.315 U	0.315 U	0.315 U	0.315 U	1.62	0.315 U	0.315 U	0.315 U	1.3	1.49	1.32	1.45	1.18		0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	0.315 U	1.32	0.315 U
cis-1,3-Dichloropropene	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U		0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U
Cyclohexane	1.61	0.525 UC	4.93 I	2.2	0.525 U	0.525 UC	0.525 U	4.86 C	1.85	1.5	1.19	1.43	0.84	0.77	0.945	2.38	1.54	0.525 U	0.525 U	0.525 U		5.11	12.6 I	1.64	14	5.11	0.735	1.12	0.595	0.525 UC	0.525 U	0.525 UC
Dibromochloromethane	1.3 U	1.3 UC	1.3 U	1.3 U	1.3 U	1.3 UC	1.3 U	1.3 UC	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UC	1.3 U	1.3 UC
Ethyl acetate	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U		0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U	0.916 U
Ethylbenzene	4.02	17.7	6.09 I	20.3	2.74	2.25	0.706	1.77	2.21	2.82	5.25	2.91	1.72	1.68	2.43	7.06 J	7.94 J	0.839	0.574 J	0.75		1.32	6.89 I	0.927	1.81	1.1	1.06	1.06	0.618 J	0.574 J	0.485 J	0.485 J
Freon 11	3.26	1.6	1.77 I	2.51	2.17	1.83	1.88	1.66	2.57	2.97	3.03	3.14	2.74	2.46	2.57	4.17	3.77	2.4	3.2	2.11		2.97	1.37 I	2.91	2.57	2.86	3.37	3.31	2.28	1.71	1.94	1.6
Freon 113	1.32	1.17 U	0.935 JI	1.25	1.17 U	1.17 U	0.935 J	1.17 U	1.09 J	1.25	1.09 J	1.25	1.17 J	1.01 J	1.09 J	1.25	1.17 U	1.17 U	1.17 J	0.857 J		1.32	1.17 U	1.25	1.17 U	1.17 U	1.4	1.4	1.01 J	1.17 U	0.935 J	1.17 U
Freon 114	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U		1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U
Freon 12	4.62	4.37 C	3.32 I	4.07	4.42	4.73 C	4.02	4.73 C	4.32	4.78	4.73	5.13	4.37	4.07	4.57	4.73	4.98	4.27	5.18	4.27		4.42	2.71 I	5.08	4.02	4.73	5.63	5.08	4.17	4.42 C	4.22	4.07 C
Heptane	1.92	10.8 C	3.46 I	2.87	1.12	0.625 UC	0.625 U	7.58 C	2.92	2.46	1.37	1.42	0.958	0.958	1.25	8.83	2.87	0.625 U	0.625 U	0.625 U		9.08	24.6 I	3.04	26.2	9.25	1	1.46	0.625 U	0.625 UC	0.625 U	0.625 UC
Hexachloro-1,3-butadiene	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U		1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U	1.63 U

Table 2

Air Sample Results
Emerson Power Transmission Facility
December 2005 and February 2006 (a)

	Indoor																												Outdoor (c)		
Building ID	2	3		4				6A	8	9	10	11A	13A	13B	24					33			34				35	1		2
Building Level	Basement	Basement		Basement				Basement	Main	Main	Main	Main	Upper	Upper	Basement			Main		Basement		Main	Basement		Main		Upper			
				A		B									B			A					A	B	C	D				
Sample Type	IAB	IAB	IAB	IAB	IAB	IAB	IAB	IAB	IAF	IAF	IAF	IAF	IAS	IAS	IAB	IABR	IAB	IAF	IAF	IAB	IAB	IAF	IAB	IAB	IAF	IAF	IAS	AA	AA	AA
Sample Date	Dec-05	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Feb-06	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Dec-05	Feb-06	Dec-05
VOCs by EPA Method TO-15 (ug/m3)																														
Hexane	6.09	22.9 C	9.31 CI	5.98	8.88 C	3.58 C	3.65 C	0.537 UC	1.97	3.26	2.26	2.33	1.29	1.54	1.54	6.3	4.73	1.11 C	0.752	0.537 UC	0.537 U	0.537 UC	1.22	0.537 U	0.537 U	1.97	2.33	2.47	1.79 C	0.537 UC	0.537 UC
Isopropyl alcohol	0.375 U	0.375 U	0.375 UC	85.4	0.375 UC	0.375 U	0.375 UC	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 UC	0.375 U	0.375 UC	0.375 U	0.375 UC	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 U	0.375 UC	0.375 U
m-Xylene	5.74 J	43.3	11.3 I (b)	54.7	9.36 (b)	6.97	2.12 (b)	4.55	5.08	5.56	12.6	6.8	5.03	4.37	8.69	15	21.2	2.65 (b)	1.5	2.34 (b)	2.96	16.3 I (b)	2.21	3.84	2.65	2.74	2.65	1.28	1.1	1.37 (b)	0.971
Methyl butyl ketone	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Methyl ethyl ketone	0.899 U	0.899 U	0.899 U	51	0.899 U	0.899 U	0.899 U	102	0.899 U	0.899 U	0.899 U	0.899 U	0.899 U	0.899 U	0.899 U	0.899 U	45.6	0.899 U	0.899 U	0.899 U	106	0.899 U	0.899 U	270 D	150	0.899 U	6.62	0.899 U	0.899 U	0.899 U	0.899 U
Methyl isobutyl ketone	1.25 U	1.25 U	1.25 U	17.5 J	1.25 U	1.25 U	1.25 U	1.25 U	6	3.41	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	25	57.9 I	6.54	42.3	20.8	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
Methyl tert-butyl ether	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
o-Xylene	5.34	23.4	5.96 I	22.1	2.3	2.38	0.706	1.72	2.74	2.87	6.31	3.62	2.82	2.56	4.99	7.94 J	7.94 J	0.927	0.839	0.971	1.41	4.15 I	0.927	1.68	1.15	1.63	1.59	0.706	0.485 J	0.485 J	0.574 J
p-Xylene	4.94	19.4	11.3 I (b)	19.4	9.36 (b)	2.21	2.12 (b)	1.59	2.43	2.91	4.94	2.87	1.81	1.81	3.49	13.2 U	8.83 J	2.65 (b)	0.618 J	2.34 (b)	1.28	16.3 I (b)	1.1	2.12	1.15	1.24	1.1	0.574 J	0.441 J	1.37 (b)	0.441 J
Propylene	0.262 U	0.262 UC	0.262 U	0.262 U	0.262 U	0.262 UC	0.262 U	0.262 UC	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 UC	0.262 U	0.262 UC
Styrene	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	2.03	0.649 U	0.649 U	0.649 U	8.83	4.89	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U	0.649 U
Tetrahydrofuran	0.45 U	0.45 U	0.45 UC	0.45 U	0.45 UC	0.45 U	0.45 UC	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 UC	0.45 U	0.45 UC	0.45 U	0.45 UC	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 UC	0.45 U
Toluene	19.2	138	47.1 I	95	36	11.7	8.35	679	175	56.7	29.3	47.1	8.54	32.7	8.47	38.3	70.5	4.02	3.91	3.06	930 D	869 I	167	680 D	390 D	20.7	32.9	15.5	2.68	2.95	3.72
trans-1,3-Dichloropropene	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U	0.692 U
Vinyl acetate	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U	0.537 U
Vinyl bromide	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U	0.667 U

a/ IAB = indoor air sample collected from basement level of building;
IABR = duplicate indoor air sample collected from basement level of building;
IAF = indoor air sample collected from main level of building;
IAS = indoor air sample collected from upper level of building;
AA = ambient (outdoor) air sample;
U = not detected at the reporting limit;
J = analyte detected at or below quantitation limit;
D = results from a secondary dilution;
C = analyte exceeds calibration criteria. Quantitation estimated;
I = associated internal standard criteria not met, estimated result.

b/ Result is for m&p-xylene.

c/ Background concentrations represent ambient (outdoor) air concentrations for all air samples collected on December 12-13, 2005; or February 15-16, 2006.