



*Transmitted by Electronic Mail*

May 4, 2006

**Subject: Vapor Intrusion Report  
ConMed Facility  
525 French Road  
Utica, NY**

Dear Larry:

The attached report, prepared by our consultant Earth Tech, presents the results of a vapor intrusion survey performed recently at the subject facility. In addition, Earth Tech will be mailing you three CDs.

A handwritten signature in cursive script that reads "Tina Armstrong".

40 British American Blvd  
Latham, NY  
12110

T 518-951-2200  
F 518-951-2300  
[www.earthtech.com](http://www.earthtech.com)

May 1, 2006

Tina Armstrong, Ph.D.  
Lockheed Martin Corporation  
EESH Shared Services  
6801 Rockledge Drive, CLE 610  
Bethesda, MD 20817

**Subject: Vapor Intrusion Study  
ConMed Facility  
525 French Road  
Utica, New York**

Dear Ms. Armstrong:

Earth Tech, Inc. (Earth Tech) is pleased to submit this letter-report to Lockheed Martin Corporation (LMC) summarizing the results of the recently completed Vapor Intrusion (VI) study at the ConMed facility located at 525 French Road in Utica, NY. This work was conducted in accordance with Earth Techs revised work plan dated June 27, 2005, which was approved, pending modification, by the New

### **Pre-Sampling Inspection**

On March 25, 2005, Earth Tech conducted a pre-sampling inspection of the eastern portion of the building, downgradient of the Solvent Dock. The focus of the pre-sampling inspection was to select sampling locations, identify chemical usage inside the building above the area of concern (AOC), and to identify and minimize conditions that may interfere with the proposed testing. The inspection assessed worker density in various sections of the building, and evaluated the type of structure, floor layout, air flows and physical conditions in the AOC. Based on the findings of this inspection, Earth Tech prepared the work plan, which was approved by the NYSDEC and NYSDOH after revision. The full findings of the inspection, discussed in the work plan, will not be restated in this correspondence, however, the Product Inventory is included as Attachment #1.

The heating/ventilation/air-conditioning (HVAC) system at the facility generally consists of one air handler unit per room, with air in 57(0)4-4-2( 57(0)-254-4( )-188(i)-1)-4( )-51(e)16te e ci1et grev211thety-4(i)4(n)28 perce1 ees n the yst r to 2(0)evih free cooling. In addition, the concrete slab in the AOC y6(a)1(s)-11( )TJ -0 -12.6 T

Sample ID	Location	Justification
I6	Leadwire Assembly	Four workers per shift, on average.
I7	Material Storage/Mix	Four workers per shift, on average.
I8	New storage area	Future worker area.
I9	New research area	Future worker area.
I10	Cable Assembly (Duplicate)	Field Duplicate of I5.
S1	Molding Facility north end	Within presumed plume* boundary.
S2	Molding Facility south end	Within presumed plume boundary.
S3	Lincare offices - closet floor	Outside of presumed plume boundary, minimal disturbance to operations.
S4	Aisle North	Edge of presumed plume boundary.
S5	Aisle South	Edge of presumed plume boundary.
S6	Leadwire Assembly	Within presumed plume boundary.
S7	Near Material Storage/Mix	Within presumed plume boundary.
S8	New storage area	Outside of presumed plume boundary.
S9	New research area	Outside of presumed plume boundary.
S10	Mold Storage	Within presumed plume boundary.
OD1	Adjacent to transformer sub-station	Upwind of AOC, kerosene AST, and Boiler House
*Note: Plume refers to groundwater, rather than sub-slab vapor plume.		

### Indoor Air Sampling Methodology

For the indoor air sampling program, a metal tripod was set up in each sampling location (except I2, see below), placing the top of the stand in the breathing zone (3 to 5 feet off ground). A clean length of polyethylene tubing was cut and clamped to the top of the stand. The other end of the tubing was affixed to a purge device, which vacuumed one liter of air through the sampling tube. Once purging had been completed, the sampling tube was connected to a 3-liter, stainless steel, clean-certified SUMMAfi canister equipped with a pre-set regulator designed to sample for a 120-minute period (0.02 L/min). A log was completed for each sampling location, which summarized sample identification, sampling media identification, date and time of sample collection, sampling height, identity of sampling technicians, sampling methods and devices, and vacuum of canisters before and after samples were collected. Samples were drawn concurrently with sub-slab vapor and outdoor air samples after setup was complete at all locations. Sampling logs are included as Attachment #2.

### Sub-Slab Vapor Sampling Methodology

te4(m) 1(e) Bc r ths 3 bng lte v p l (t) M b n p l o n g 2 0 1 0 (a) - 5 (p) - 4 (l) E a c t i 4 (r) - 1 ( ) - 1 7 7 (t) - 1 (h) - 4 (e) 1 ( ) - 1 4 6 (w) - 1 (a) 1 (s) - 1 (a) e 1 (c) 1 (t)

depth denoted instead of sample height. Samples were drawn concurrently with indoor and outdoor air samples after setup was complete at all locations. At the completion of the sampling, all holes in the concrete were patched with Quikcrete<sup>®</sup> Vinyl Concrete Patcher.

#### Outdoor Air Sampling Methodology

For collection of the outdoor air sample, an upwind location was selected that would be removed from outdoor operations that were known to generate VOCs (i.e. kerosene AST, Boiler House). This location was selected to be northwest of the AOC, at the eastern edge of the electrical substation. A metal tripod was set up at the sampling location, placing the top of the stand in the breathing zone (3 to 5 feet off ground). A clean length of polyethylene tubing was cut and clamped to the top of the stand. The other

Sub-slab sampling location S7 had to be moved to the location shown on Figure 1. The slab thickness could not be penetrated with Earth Techs 1.5-foot-long drill bits. The hole from the first attempt was patched in a manner similar to the other locations.

### Analytical Results

Based on the analytical results, which are included as Attachment #3 and summarized in Table 1, VOCs were detected in the indoor air, outdoor air, and sub-slab vapor samples. Detected VOCs included both petroleum and chlorinated compounds. For the purposes of this report, Chemicals of Concern (COCs) refer to those compounds for which NYSDOH has established action levels, and which are known to be present in groundwater beneath the facility, including tetrachloroethylene (PCE), trichloroethylene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), and methylene chloride (MeCl). Results were compared to the NYSDOH Soil Vapor/Indoor Air Matrices in Section 3.4, Decision Matrices, of the NYSDOHs Draft Guidance. Decision Matrix 1 is intended to be used for TCE and Decision Matrix 2 for PCE and 1,1,1-TCA. The matrices are presented in Attachment #4.

Tina Armstrong, Ph.D.  
Lockheed Martin Corporation  
May 1, 2006

Therefore, it is unclear whether the indoor air concentrations of TCE are representative of vapor intrusion or chemical use.

- From an occupational exposure standpoint, and to the extent that the results of this study are representative of the facility's indoor air, workers are not exposed to harmful levels of VOCs. The indoor air concentrations of TCE and PCE were at levels less than 0.1% of the OSHA 8-hour Time-Weighted Averages (TWA) of 100 ppm for the compounds.

## Recommendations

Based on our findings, Earth Tech offers the following recommendations:

- In light of the discovery of TCE-containing products used in ConMeds operations and their potential interference with indoor air sampling results, it may be prudent to complete an additional round of sampling once it has been confirmed that ConMed has removed the products from the building and they have not been used in at least one week.
- In the long term, remediation of on-site groundwater containing VOCs should be pursued.

Earth Tech appreciates the opportunity to perform this work for Lockheed Martin. Please contact Stephen Choiniere at (518) 951-2262 or [Stephen.Choiniere@earthtech.com](mailto:Stephen.Choiniere@earthtech.com) if you have any questions regarding our findings, conclusions, or recommendations.

Sincerely,

Earth Tech, Inc.

A handwritten signature in cursive script, reading "Caroline E. Benedict", is displayed on a light gray rectangular background.

Caroline E. Benedict  
Project Geologist



## FIGURES



## TABLES

Table 1 - Analytical Summary  
Vapor Intrusion Study

CONMED Facility  
525 French Road  
Utica, New York  
February 26, 2006

INDOOR AIR RESULTS ( g/m<sup>3</sup>)

Sample	N Criteria	I1	I3	I4	I5	I6	I7	YSDOH I8	I9	10 (Dup I5)
Trichloroethylene	5	41/41	<0.7	73/6.7	23	2.8	5.7	6.0	1.9	18
Tetrachloroethylene	100	18/<5.1	8.5	2.8/<5.1	10.0	9.5	15	97	24	11
Methylene Chloride	60	3.9/20	<0.8	5.9/27	5.6	2.1	3.8	9.7	9.7	5.1

SUB-SLAB VAPOR RESULTS ( g/m<sup>3</sup>)

Sample	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Trichloroethylene	680	560	7.0	2.5	4.7	2	10	3.4	21	70
Tetrachloroethylene	21000	76	3	660	26	280	95	5	5.0	260
Methylene Chloride	<70	8.0	4.4	3.4	2.4	2.8	11.	2.2	9.8	2.7

N

Notes:

1. Compounds analyzed via EPA Method TO-15
2. Sample was not collected at I2 because of ongoing use of TCE-based solvent aerosols in the Molding Facility.
3. A second round of samples was collected at I1 and I4, which is the second value noted.

**Exceeds NYSDOH Air Guideline Value**

ATTACHMENT #1  
PRODUCT INVENTORY



ATTACHMENT #2  
FIELD SAMPLING LOGS

FEBRUARY 25TH AND 26TH, 2006  
 Sampled by: Caroline Benedict and James Clark

Sample ID	Sample Date	Canister Number	Regulator Number	Sample Start Time	Sample Stop Time	Sample Height	Sampling Method	Sampling Device	Purge Volume	Sampled Volume	PID reading (ppm)	Regulator Readings (inches Hg)		
												Standby (Unconnected)	Vacuum Before	Vacuum After
I11	2/26/06	1347	5075	11:32	13:34	48.25"	Low-flow	SUMMA	1 liter	2.4 L	0	0	27+	0
I13	2/26/06	1836	30	11:28	13:29	46"	Low-flow	SUMMA	1 liter	2.4 L	0	-4	30+	-4
I14	2/26/06	2287	5015	11:35	13:40	48.25"	Low-flow	SUMMA	1 liter	2.4 L	0	-10	30+	-10
I15	2/26/06	3306	29	11:34	13:38	51"	Low-flow	SUMMA	1 liter	2.4 L	0	2	30+	3
I16	2/26/06	2273	28	11:30	13:32	45.5"	Low-flow	SUMMA	1 liter	2.4 L	0	5.5	29	6
I17	2/26/06	1338	5104	11:41	13:47	47"	Low-flow	SUMMA	1 liter	2.4 L	0	0	29.5	0
I18	2/26/06	1354	50	11:38	13:42	47.5"	Low-flow	SUMMA	1 liter	2.4 L	0	7	30+	7.5
I19	2/26/06	1972	4	11:37	13:41	48.5"	Low-flow	SUMMA	1 liter	2.4 L	0	2.5	30+	3
I10 (15 DUP)	2/26/06	1150	54	11:35	13:38	51"	Low-flow	SUMMA	1 liter	2.4 L	0	0	29.5	0

Notes: All SUMMA canisters were 3 Liter capacity  
 All regulators were pre-set by laboratory to 0.02 Liters/minute sampling rate



Standby (Unconnected)	Vacuum Before	Vacuum After
--------------------------	------------------	-----------------

												Standby (Unconnected)	Vacuum Before	Vacuum After
OD1	2/26/06	2272	23	11:48	13:55	47"	Low-flow	SUMMA	1 liter	2.4 L	0	0	27	0

Notes: 1. All SUMMA canisters were 3 Liter capacity  
2. All regulators were pre-set by laboratory to 0.02 Liters/minute sampling rate

ATTACHMENT #3  
ANALYTICAL RESULTS



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CAROLINE BENEDICT  
EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/1/2006

Purchase Order No.:

3/16/2006  
Page 61 of 121

Project Number: 84767.01  
LIMS-BAT #: LIMS-95772  
Job Number: 84767.01

CAROLINE BENEDICT

CAROLINE BENEDICT  
EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

3/16/2006

Page 64 of 121

Project Location: FRENCH ROAD, UTICA, NY

Purchase Order No.:

Project Number: 84767.01

Date Received: 3/1/2006

LIMS-BAT #: LIMS-95772

Field Sample #: I10

Job Number: 84767.01

Sample ID: 06B07700

Sampled: 2/26/2006

AIR DUPLICATE - CABLE ASSEMBLY

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	66.	03/04/06	WSD	0.3			
Benzene	ug/m3	ND	03/04/06	WSD	0.4			
Benzyl Chloride	ug/m3	ND	03/04/06	WSD	2.1			
Bromodichloromethane	ug/m3	ND	03/04/06	WSD	0.9			
Bromomethane	ug/m3	ND	03/04/06	WSD	0.5			
1,3-Butadiene	ug/m3	ND	03/04/06	WSD	0.3			
2-Butanone (MEK)	ug/m3	6.1	03/04/06	WSD	0.4			
Carbon Disulfide	ug/m3	ND	03/04/06	WSD	0.4			
Carbon Tetrachloride	ug/m3	ND	03/04/06	WSD	0.8			
Chlorobenzene	ug/m3	ND	03/04/06	WSD	0.6			
Chlorodibromomethane	ug/m3	ND	03/04/06	WSD	1.1			
Chloroethane	ug/m3	ND	03/04/06	WSD	0.4			
Chloroform	ug/m3	ND	03/04/06	WSD	0.6			
Chloromethane	ug/m3	1.2	03/04/06	WSD	0.3			
Cyclohexane	ug/m3	9.0	03/04/06	WSD	0.4			
1,2-Dibromoethane	ug/m3	ND	03/04/06	WSD	1.0			
1,2-Dichlorobenzene	ug/m3	ND	03/04/06	WSD	0.8			
1,3-Dichlorobenzene	ug/m3	ND	03/04/06	WSD	0.8			
1,4-Dichlorobenzene	ug/m3	ND	03/04/06	WSD	2.5			
Dichlorodifluoromethane	ug/m3	2.9	03/04/06	WSD	0.6			
1,1-Dichloroethane	ug/m3	ND	03/04/06	WSD	0.5			
1,2-Dichloroethane	ug/m3	ND	03/04/06	WSD	0.5			
1,1-Dichloroethylene	ug/m3	ND	03/04/06	WSD	0.5			
cis-1,2-Dichloroethylene	ug/m3	ND	03/04/06	WSD	0.5			
t-1,2-Dichloroethylene	ug/m3	ND	03/04/06	WSD	0.5			
1,2-Dichloropropane	ug/m3	ND	03/04/06	WSD	0.6			
cis-1,3-Dichloropropene	ug/m3	ND	03/04/06	WSD	1.9			
trans-1,3-Dichloropropene	ug/m3	ND	03/04/06	WSD	1.9			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	03/04/06	WSD	0.9			
Ethanol	ug/m3	33.	03/04/06	WSD	0.2			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

\* = See end of report for comments and notes applying to this sample





CAROLINE BENEDICT  
 EARTH TECH, INC. - LATHAM  
 40 BRITISH AMERICAN BLVD.  
 LATHAM, NY 12110

3/16/2006

Page 67 of 121

Project Location: FRENCH ROAD, UTICA, NY

Purchase Order No.:

Project Number: 84767.01

Date Received: 3/1/2006

LIMS-BAT #: LIMS-95772

Field Sample #: I3

Job Number: 84767.01

Sample ID: 06B07716

Sampled: 2/26/2006

AIR - LINCARE

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	22.	03/13/06	WSD	0.3			
Benzene	ug/m3	1.4	03/13/06	WSD	0.4			
Benzyl Chloride	ug/m3	ND	03/13/06	WSD	0.7			
Bromodichloromethane	ug/m3	ND	03/13/06	WSD	0.9			
Bromomethane	ug/m3	ND	03/13/06	WSD	0.5			
1,3-Butadiene	ug/m3	ND	03/13/06	WSD	0.3			
2-Butanone (MEK)	ug/m3	9.6	03/13/06	WSD	0.4			
Carbon Disulfide	ug/m3	ND	03/13/06	WSD	0.4			
Carbon Tetrachloride	ug/m3	ND	03/13/06	WSD	0.8			
Chlorobenzene	ug/m3	ND	03/13/06	WSD	0.6			
Chlorodibromomethane	ug/m3	ND	03/13/06	WSD	1.1			
Chloroethane	ug/m3	ND	03/13/06	WSD	0.4			
Chloroform	ug/m3	ND	03/13/06	WSD	0.6			
Chloromethane	ug/m3	0.9	03/13/06	WSD	0.3			
Cyclohexane	ug/m3	ND	03/13/06	WSD	1.4			
1,2-Dibromoethane	ug/m3	ND	03/13/06	WSD	1.0			
1,2-Dichlorobenzene	ug/m3	ND	03/13/06	WSD	2.5			
1,3-Dichlorobenzene	ug/m3	ND	03/13/06	WSD	2.5			
1,4-Dichlorobenzene	ug/m3	ND	03/13/06	WSD	2.5			
Dichlorodifluoromethane	ug/m3	5.3	03/13/06	WSD	0.6			
1,1-Dichloroethane	ug/m3	ND	03/13/06	WSD	0.5			
1,2-Dichloroethane	ug/m3	ND	03/13/06	WSD	0.5			
1,1-Dichloroethylene	ug/m3	ND	03/13/06	WSD	0.5			
cis-1,2-Dichloroethylene	ug/m3	ND	03/13/06	WSD	0.5			
t-1,2-Dichloroethylene	ug/m3	ND	03/13/06	WSD	0.5			
1,2-Dichloropropane	ug/m3	ND	03/13/06	WSD	0.6			
cis-1,3-Dichloropropene	ug/m3	ND	03/13/06	WSD	0.6			
trans-1,3-Dichloropropene	ug/m3	ND	03/13/06	WSD	1.9			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	03/13/06	WSD	0.9			
Ethanol	ug/m3	41.	03/13/06	WSD	0.2			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

\* = See end of report for comments and notes applying to this sample

CAROLINE BENEDICT  
 EARTH TECH, INC. - LATHAM  
 40 BRITISH AMERICAN BLVD.  
 LATHAM, NY 12110

3/16/2006  
 Page 68 of 121

Project Location: FRENCH ROAD, UTICA, NY  
 Date Received: 3/1/2006  
 Field Sample # : I3

Purchase Order No.:

Project Number: 84767.01  
 LIMS-BAT #: LIMS-95772  
 Job Number: 84767.01

Sample ID : 06B07716  
 Sampled : 2/26/2006  
 AIR - LINCARE

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	03/13/06	WSD	0.5			
Ethylbenzene	ug/m3	9.9	03/13/06	WSD	0.5			
4-Ethyl Toluene	ug/m3	4.7	03/13/06	WSD	0.6			
n-Heptane	ug/m3	2.7	03/13/06	WSD	0.5			
Hexachlorobutadiene	ug/m3	ND	03/13/06	WSD	1.3			
Hexane	ug/m3	1.5	03/13/06	WSD	0.4			
2-Hexanone	ug/m3	1.8	03/13/06	WSD	0.5			
Isopropanol	ug/m3	180	03/13/06	WSD	0.3			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	03/13/06	WSD	0.5			
Methylene Chloride	ug/m3	ND	03/13/06	WSD	0.8			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	03/13/06	WSD	0.5			
Propene	ug/m3	ND	03/13/06	WSD	0.7			
Styrene	ug/m3	1.9	03/13/06	WSD	0.5			
1,1,2,2-Tetrachloroethane	ug/m3	ND	03/13/06	WSD	0.9			
Tetrachloroethylene	ug/m3	8.5	03/13/06	WSD	0.8			
Tetrahydrofuran	ug/m3	ND	03/13/06	WSD	1.2			
Toluene	ug/m3	23.	03/13/06	WSD	0.4			
1,2,4-Trichlorobenzene	ug/m3	ND	03/13/06	WSD	0.9			
1,1,1-Trichloroethane	ug/m3	ND	03/13/06	WSD	0.7			
1,1,2-Trichloroethane	ug/m3	ND	03/13/06	WSD	0.7			
Trichloroethylene	ug/m3	ND	03/13/06	WSD	0.7			
Trichlorofluoromethane	ug/m3	3.3	03/13/06	WSD	0.7			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	03/13/06	WSD	1.0			
1,2,4-Trimethylbenzene	ug/m3	13.	03/13/06	WSD	0.6			
1,3,5-Trimethylbenzene	ug/m3	4.0	03/13/06	WSD	0.6			
Vinyl Acetate	ug/m3	2.4	03/13/06	WSD	0.4			
Vinyl Chloride	ug/m3	ND	03/13/06	WSD	0.4			
m/p-Xylene	ug/m3	37.	03/13/06	WSD	0.5			
o-Xylene	ug/m3	13.	03/13/06	WSD	0.5			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) cond

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CAROLINE BENEDICT  
EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

3/16/2006

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Purchase Order No.:

Project Number: 84767.01

Project Location: FRENCH ROAD, UTICA, NY

LIMS-BAT #: LIMS-95772

Date Received: 3/1/2006

Job Number: 84767.01

Field Sample #: 14

Sample ID: 06B07701

Sampled: 2/26/2006

AIR KITTING

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	110	03/05/06	WSD	0.3			
Benzene	ug/m3	ND	03/05/06	WSD	0.4			
Benzyl Chloride	ug/m3	ND	03/05/06	WSD	2.1			
Bromodichloromethane	ug/m3	ND	03/05/06	WSD	0.9			
Bromomethane	ug/m3	ND	03/05/06	WSD	0.5			
1,3-Butadiene	ug/m3	ND	03/05/06	WSD	0.3			
2-Butanone (MEK)	ug/m3	3.4	03/05/06	WSD	0.4			
Carbon Disulfide	ug/m3	ND	03/05/06	WSD	0.4			
Carbon Tetrachloride	ug/m3	ND	03/05/06	WSD	0.8			
Chlorobenzene	ug/m3	ND	03/05/06	WSD	0.6			
Chlorodibromomethane	ug/m3	ND	03/05/06	WSD	1.1			
Chloroethane	ug/m3	ND	03/05/06	WSD	0.4			
Chloroform	ug/m3	ND	03/05/06	WSD	0.6			
Chloromethane	ug/m3	1.3	03/05/06	WSD	0.3			
Cyclohexane	ug/m3	9.4	03/05/06	WSD	0.4			
1,2-Dibromoethane	ug/m3	ND	03/05/06	WSD	1.0			
1,2-Dichlorobenzene	ug/m3	ND	03/05/06	WSD	0.8			
1,3-Dichlorobenzene	ug/m3	ND	03/05/06	WSD	0.8			
1,4-Dichlorobenzene	ug/m3	6.5	03/05/06	WSD	0.7			
Dichlorodifluoromethane	ug/m3	2.8	03/05/06	WSD	0.6			
1,1-Dichloroethane	ug/m3	ND	03/05/06	WSD	0.5			
1,2-Dichloroethane	ug/m3	ND	03/05/06	WSD	0.5			
1,1-Dichloroethylene	ug/m3	ND	03/05/06	WSD	0.5			
cis-1,2-Dichloroethylene	ug/m3	ND	03/05/06	WSD	0.5			
t-1,2-Dichloroethylene	ug/m3	ND	03/05/06	WSD	0.5			
1,2-Dichloropropane	ug/m3	ND	03/05/06	WSD	0.6			
cis-1,3-Dichloropropene	ug/m3	ND	03/05/06	WSD	1.9			
trans-1,3-Dichloropropene	ug/m3	ND	03/05/06	WSD	1.9			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	03/05/06	WSD	0.9			
Ethanol	ug/m3	47.	03/05/06	WSD	0.2			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

\* = See end of report for comments and notes applying to this sample

CAROLINE BENEDICT

CAROLINE BENEDICT  
EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

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Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/1/2006  
Field Sample #: I5

Purchase Order No.:

Project Number: 84767.01  
LIMS-BAT #: LIMS-95772  
Job Number: 84767.01

Sample ID : 06B07703

Sampled : 2/26/2006  
AIR CABLE ASSEMBLY

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	50.	03/05/06	WSD	0.3			
Benzene	ug/m3	ND	03/05/06	WSD	0.4			
Benzyl Chloride	ug/m3	ND	03/05/06	WSD	2.1			
Bromodichloromethane	ug/m3	ND	03/05/06	WSD	0.9			
Bromomethane	ug/m3	ND	03/05/06	WSD	0.5			
1,3-Butadiene	ug/m3	ND	03/05/06	WSD	0.3			
2-Butanone (MEK)	ug/m3	3.2	03/05/06	WSD	0.4			
Carbon Disulfide	ug/m3	ND	03/05/06	WSD	0.4			
Carbon Tetrachloride	ug/m3	ND	03/05/06	WSD	0.8			
Chlorobenzene	ug/m3	ND	03/05/06	WSD	0.6			
Chlorodibromomethane	ug/m3	ND	03/05/06	WSD	1.1			
Chloroethane	ug/m3	ND	03/05/06	WSD	0.4			
Chloroform	ug/m3	ND	03/05/06	WSD	0.6			
Chloromethane	ug/m3	1.1	03/05/06	WSD	0.3			
Cyclohexane	ug/m3	9.8	03/05/06	WSD	0.4			
1,2-Dibromoethane	ug/m3	ND	03/05/06	WSD	1.0			
1,2-Dichlorobenzene	ug/m3	ND	03/05/06	WSD	0.8			
1,3-Dichlorobenzene	ug/m3	ND	03/05/06	WSD	0.8			
1,4-Dichlorobenzene	ug/m3	ND	03/05/06	WSD	2.5			
Dichlorodifluoromethane	ug/m3	2.7	03/05/06	WSD	0.6			
1,1-Dichloroethane	ug/m3	ND	03/05/06	WSD	0.5			
1,2-Dichloroethane	ug/m3	ND	03/05/06	WSD	0.5			
1,1-Dichloroethylene	ug/m3	ND	03/05/06	WSD	0.5			
cis-1,2-Dichloroethylene	ug/m3	ND	03/05/06	WSD	0.5			
t-1,2-Dichloroethylene	ug/m3	ND	03/05/06	WSD	0.5			
1,2-Dichloropropane	ug/m3	ND	03/05/06	WSD	0.6			
cis-1,3-Dichloropropene	ug/m3	ND	03/05/06	WSD	1.9			
trans-1,3-Dichloropropene	ug/m3	ND	03/05/06	WSD	1.9			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	03/05/06	WSD	0.9			
Ethanol	ug/m3	32.	03/05/06	WSD	0.2			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

\* = See end of report for comments and notes applying to this sample

CAROLINE BENEDICT  
EARTH TECH, INC. - LATHAM  
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LATHAM, NY 12110

Purchase Order No.:

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Project Number: 84767.01

LIMS-BAT #: LIMS-95772

Job Number: 84767.01

Project Location: FRENCH ROAD, UTICA, NY

Date Received: 3/1/2006

Field Sample # : I5

Sample ID : 06B07703

Sampled : 2/26/2006

AIR CABLE ASSEMBLY

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	03/05/06	WSD	0.5		
Ethylbenzene	ug/m3						

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CAROLINE BENEDICT  
EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
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Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/1/2006

Purchase Order No.:

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Project Number: 84767.01  
LIMS-BAT #: LIMS-95772  
Job Number: 84767.01

CAROLINE BENEDICT  
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Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/1/2006  
Field Sample #: I6

Purchase Order No.:

Project Number: 84767.01  
LIMS-BAT #: LIMS-95772  
Job Number: 84767.01

Sample ID : 06B07714

Sampled : 2/26/2006

AIR - LEADWARE ASSEMBLY

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	03/13/06	WSD	0.5			
Ethylbenzene	ug/m3	9.2	03/13/06	WSD	0.5			
4-Ethyl Toluene	ug/m3	3.8	03/13/06	WSD	0.6			
n-Heptane	ug/m3	3.0	03/13/06	WSD	0.5			
Hexachlorobutadiene	ug/m3	ND	03/13/06	WSD	1.3			
Hexane	ug/m3	2.4	03/13/06	WSD	0.4			
2-Hexanone	ug/m3	ND	03/13/06	WSD	1.7			
Isopropanol	ug/m3	290	03/13/06	WSD	0.3			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	03/13/06	WSD	0.5			
Methylene Chloride	ug/m3	2.1	03/13/06	WSD	0.8			
4-Methyl-2-Pentanone (MIBK)	ug/m3	1.8	03/13/06	WSD	0.5			
Propene	ug/m3	ND	03/13/06	WSD	0.7			
Styrene	ug/m3	2.0	03/13/06	WSD	0.5			
1,1,2,2-Tetrachloroethane	ug/m3	ND	03/13/06	WSD	0.9			
Tetrachloroethylene	ug/m3	9.5	03/13/06	WSD	0.8			
Tetrahydrofuran	ug/m3	ND	03/13/06	WSD	1.2			
Toluene	ug/m3	27.	03/13/06	WSD	0.4			
1,2,4-Trichlorobenzene	ug/m3	ND	03/13/06	WSD	0.9			
1,1,1-Trichloroethane	ug/m3	ND	03/13/06	WSD	0.7			
1,1,2-Trichloroethane	ug/m3	ND	03/13/06	WSD	0.7			
Trichloroethylene	ug/m3	2.8	03/13/06	WSD	0.6			
Trichlorofluoromethane	ug/m3	2.5	03/13/06	WSD	0.7			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	03/13/06	WSD	1.0			
1,2,4-Trimethylbenzene	ug/m3	10.	03/13/06	WSD	0.6			
1,3,5-Trimethylbenzene	ug/m3	3.0	03/13/06	WSD	0.6			
Vinyl Acetate	ug/m3	ND	03/13/06	WSD	1.5			
Vinyl Chloride	ug/m3	ND	03/13/06	WSD	0.4			
m/p-Xylene	ug/m3	32.	03/13/06	WSD	0.5			
o-Xylene	ug/m3	12.	03/13/06	WSD	0.5			

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ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

\* = See end of report for comments and notes applying to this sample



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40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/1/2006  
Field Sample # : I7  
Sample ID : 06B07711

Purchase Order No.:

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Project Number: 84767.01  
LIMS-BAT #: LIMS-95772  
Job Number: 84767.01

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Results	Date	Analy24 cm ults 121108	4	-
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CAROLINE BENEDICT

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EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

Purchase Order No.:

Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/1/2006

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Project Number: 84767.01

LIMS-BAT #: LIMS-95772

Job Number: 84767.01

CAROLINE BENEDICT  
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EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

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Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/1/2006  
Field Sample # : I9  
Sample ID : 06B07699

Purchase Order No.:

Project Number: 84767.01  
LIMS-BAT #: LIMS-95772  
Job Number: 84767.01

Sampled : 2/26/2006  
AIR CEL (5.588 2006)]TJ 0.0073 Tc 0.0003 TI/G000E (0 Tc1-7.766 -11.657 Td [oN3/5471 -1C

Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
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Project Location: FRENCH ROAD, UTICA, NY  
 Date Received: 3/1/2006  
 Field Sample # : OD1

Purchase Order No.:

Project Number: 84767.01  
 LIMS-BAT #: LIMS-95772  
 Job Number: 84767.01

Sample ID : 06B07717                      Sampled : 2/26/2006  
 OUTDOOR AIR

Sample Matrix: AIR

	Units	Results	e Date Analyzed	n Analyst	RL	5	p SPEC Limit Lo      Hi	a	r P/ F	i	T	d
Acetone	ug/m3	160	03/14/06	WSD	0.3							
Benzene	ug/m3	ND	03/14/06	WSD	0.4							
Benzyl Chloride	ug/m3	ND	03/14/06	WSD	0.7							

CAROLINE BENEDICT



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Purchase Order No.:

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Project Location: FRENCH ROAD, UTICA, NY

Project Number: 84767.01

Date Received: 3/1/2006

LIMS-BAT #: LIMS-95772

Field Sample #: S1

Job Number: 84767.01

Sample ID: 06B07706

Sampled: 2/26/2006

SUB - SLAB MOLDING FACILITY N

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	250	03/08/06	WSD	14.			
Benzene	ug/m3	ND	03/08/06	WSD	20.			
Benzyl Chloride	ug/m3	ND	03/08/06	WSD	110			
Bromodichloromethane	ug/m3	ND	03/08/06	WSD	41.			
Bromomethane	ug/m3	ND	03/08/06	WSD	24.			
1,3-Butadiene	ug/m3	ND	03/08/06	WSD	14.			
2-Butanone (MEK)	ug/m3	ND	03/08/06	WSD	18.			
Carbon Disulfide	ug/m3	ND	03/08/06	WSD	19.			
Carbon Tetrachloride	ug/m3	ND	03/08/06	WSD	38.			
Chlorobenzene	ug/m3	ND	03/08/06	WSD	28.			
Chlorodibromomethane	ug/m3	ND	03/08/06	WSD	52.			
Chloroethane	ug/m3	ND	03/08/06	WSD	16.			
Chloroform	ug/m3	ND	03/08/06	WSD	30.			
Chloromethane	ug/m3	ND	03/08/06	WSD	15.			
Cyclohexane	ug/m3	ND	03/08/06	WSD	69.			
1,2-Dibromoethane	ug/m3	ND	03/08/06	WSD	46.			
1,2-Dichlorobenzene	ug/m3	ND	03/08/06	WSD	36.			
1,3-Dichlorobenzene	ug/m3	ND	03/08/06	WSD	36.			
1,4-Dichlorobenzene	ug/m3	ND	03/08/06	WSD	130			
Dichlorodifluoromethane	ug/m3	ND	03/08/06	WSD	30.			
1,1-Dichloroethane	ug/m3	ND	03/08/06	WSD	25.			
1,2-Dichloroethane	ug/m3	ND	03/08/06	WSD	25.			
1,1-Dichloroethylene	ug/m3	ND	03/08/06	WSD	24.			
cis-1,2-Dichloroethylene	ug/m3	ND	03/08/06	WSD	24.			
t-1,2-Dichloroethylene	ug/m3	ND	03/08/06	WSD	24.			
1,2-Dichloropropane	ug/m3	ND	03/08/06	WSD	28.			
cis-1,3-Dichloropropene	ug/m3	ND	03/08/06	WSD	91.			
trans-1,3-Dichloropropene	ug/m3	ND	03/08/06	WSD	91.			

CAROLINE BENEDICT  
EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

Purchase Order No.:

Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/1/2006  
Field Sample # : S1

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Project Number: 84767.01

LIMS-BAT #: LIMS-95772

Job Number: 84767.01

CAROLINE BENEDICT

CAROLINE BENEDICT  
EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

Project Location: FRENCH ROAD, UTICA, NY

Date Received: 3/1/2006

3/16/2006

Project Number: 84767.01

LIMS-95772

84767.01

CAROLINE BENEDICT  
EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

Purchase Order No.:

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Project Number: 84767.01

LIMS-BAT #: LIMS-95772

Job Number: 84767.01

Project Location: FRENCH ROAD, UTICA, NY

Date Received: 3/1/2006

Field Sample #: S2

Sample ID: 06B07698

Sampled: 2/26/2006

SUB - SLAB MOLDING RM SOUTH

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	250	03/04/06	WSD	0.3		
Benzene	ug/m3	23.	03/04/06	WSD	0.4		
Benzyl Chloride	ug/m3						

CAROLINE BENEDICT  
 EARTH TECH, INC. - LATHAM  
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Project Location: FRENCH ROAD, UTICA, NY  
 Date Received: 3/1/2006  
 Field Sample #: S2

Purchase Order No.:

Project Number: 84767.01  
 LIMS-BAT #: LIMS-95772  
 Job Number: 84767.01

Sample ID: 06B07698

Sampled: 2/26/2006  
 SUB - SLAB MOLDING RM SOUTH

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	1.0	03/04/06	WSD	0.4			
Ethylbenzene	ug/m3	18.	03/04/06	WSD	0.5			
4-Ethyl Toluene	ug/m3	2.0	03/04/06	WSD	0.6			
n-Heptane	ug/m3	65.	03/04/06	WSD	0.5			
Hexachlorobutadiene	ug/m3	ND	03/04/06	WSD	1.3			
Hexane	ug/m3	82.	03/04/06	WSD	0.4			
2-Hexanone	ug/m3	ND	03/04/06	WSD	0.5			
Isopropanol	ug/m3	43.	03/04/06	WSD	0.3			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	03/04/06	WSD	1.5			

M-0.\*6M-0 5 -22 0 Td [(03/)-9(04/)-9(06)-1353(W)-49(S)-10(D)-2869(1)-1e Tc 0 Tw 249(S)-eTd [(03/)-8(04/)-8(06)-1352(W)-48(S)-9(D)-2868(1)-0.6



CAROLINE BENEDICT  
 EARTH TECH, INC. - LATHAM  
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Project Location: FRENCH ROAD, UTICA, NY  
 Date Received: 3/1/2006  
 Field Sample #: S3

Purchase Order No.:

Project Number: 84767.01  
 LIMS-BAT #: LIMS-95772  
 Job Number: 84767.01

Sample ID: 06B07708                      Sampled: 2/26/2006  
 SUB - SLAB LINCARE

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo      Hi	P/ F
Ethyl Acetate	ug/m3	ND	03/08/06	WSD	0.5		
Ethylbenzene	ug/m3	9.0	03/08/06	WSD	0.5		
4-Ethyl Toluene	ug/m3	5.4	03/08/06	WSD	0.6		
n-Heptane	ug/m3	3.9	03/08/06	WSD	0.5		
Hexachlorobutadiene	ug/m3	ND	03/08/06	WSD	1.3		
Hexane	ug/m3	3.1	03/08/06	WSD	0.4		
2-Hexanone	ug/m3	ND	03/08/06	WSD	0.5		
Isopropanol	ug/m3	95.	03/08/06	WSD	0.3		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	03/08/06	WSD	1.5		
Methylene Chloride	ug/m3	4.4	03/08/06	WSD	0.8		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	03/08/06	WSD	1.7		
Propene	ug/m3	ND	03/08/06	WSD	0.3		
Styrene	ug/m3	ND	03/08/06	WSD	1.8		
1,1,2,2-Tetrachloroethane	ug/m3	ND	03/08/06	WSD	0.9		
Tetrachloroethylene	ug/m3	34.	03/08/06	WSD	0.8		
Tetrahydrofuran	ug/m3	ND	03/08/06	WSD	1.2		
Toluene	ug/m3	25.	03/08/06	WSD	0.4		
1,2,4-Trichlorobenzene	ug/m3	ND	03/08/06	WSD	0.9		
1,1,1-Trichloroethane	ug/m3	67.	03/08/06	WSD	0.7		
1,1,2-Trichloroethane	ug/m3	ND	03/08/06	WSD	0.7		
Trichloroethylene	ug/m3	7.0	03/08/06	WSD	0.6		
Trichlorofluoromethane	ug/m3	5.7	03/08/06	WSD	0.7		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	4.7	03/08/06	WSD	0.9		
1,uene	ug/m3	25.					

ug/m3

4.4

03/08/06 W



CAROLINE BENEDICT  
EARTH TECH, INC. - LATHAM  
40 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110

Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/1/2006  
Field Sample # : S4  
Sample ID : 06B07702

Purchase Order No.:

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Project Number: 84767.01  
LIMS-BAT #: LIMS-95772  
Job Number: 84767.01

Results	Date Analyzed	Analyst	RL	SPEC Limit	P/ FA
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CAROLINE BENEDICT  
 EARTH TECH, INC. - LATHAM  
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Project Location: FRENCH ROAD, UTICA, NY  
 Date Received: 3/1/2006  
 Field Sample #: S4

Purchase Order No.:

Project Number: 84767.01  
 LIMS-BAT #: LIMS-95772  
 Job Number: 84767.01

Sample ID : 06B07702

Sampled : 2/26/2006  
 SWB - SLAB AISLE NORTH

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	03/07/06	WSD	0.5		
Ethylbenzene	ug/m3	58.	03/07/06	WSD	0.5		
4-Ethyl Toluene	ug/m3	6.6	03/07/06	WSD	0.6		
n-Heptane	ug/m3	96.	03/07/06	WSD	0.5		
Hexachlorobutadiene	ug/m3	ND	03/07/06	WSD	1.3		
Hexane	ug/m3	140	03/07/06	WSD	0.4		
2-Hexanone	ug/m3	ND	03/07/06	WSD	0.5		
Isopropanol	ug/m3	74.	03/07/06	WSD	0.3		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	03/07/06	WSD	1.5		
Methylene Chloride	ug/m3	3.4	03/07/06	WSD	0.8		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	03/07/06	WSD	1.7		
Propene	ug/m3	ND	03/07/06	WSD	0.3		
Styrene	ug/m3	ND	03/07/06	WSD	0.6		
1,1,2,2-Tetrachloroethane	ug/m3	ND	03/07/06	WSD	0.9		
Tetrachloroethylene	ug/m3	660	03/07/06	WSD	0.8		
Tetrahydrofuran	ug/m3	ND	03/07/06	WSD	1.2		
Toluene	ug/m3	ND	03/07/06	WSD	1.6		
1,2,4-Trichlorobenzene	ug/m3	ND	03/07/06	WSD	0.9		
1,1,1-Trichloroethane	ug/m3	54.	03/07/06	WSD	0.7		
1,1,2-Trichloroethane	ug/m3	ND	03/07/06	WSD	0.7		
Trichloroethylene	ug/m3	2.5	03/07/06	WSD	0.6		
Trichlorofluoromethane	ug/m3	ND	03/07/06	WSD	0.8		

1,1,2-Trichloro-1,2,2-difluoroethane 03/07/06 WSD (03/)-8(07)-8(06)-1352(W)-48(S)-9(D)-2868(0)-15(.)7(7)]TJ 0 Tc -32.686 -1.9(-B)-10(ut)-9(yl E)--TrifOn 9.A8(0) TricV8(0)i 6.(n 9.)-10()-3213(ug)223(ug)9.013 0 Td (ND)1,2,2-Tric Td [(03/)-8(07/)-8(06)-1352(W)-48(S)-9(D)-2868(1)-15(.)7(6)]TJ -0.00

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Purchase Order No.:

Project Number: 84767.01

Project Location: FRENCH ROAD, UTICA, NY

LIMS-BAT #: LIMS-95772

Date Received: 3/1/2006

Job Number: 84767.01

Field Sample #: S5

Sample ID: 06B07712

Sampled: 2/26/2006

SUB - SLAB AISLE SOUTH

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	03/10/06	WSD	0.5			
Ethylbenzene	ug/m3	26.	03/10/06	WSD	0.5			
4-Ethyl Toluene	ug/m3	7.4	03/10/06	WSD	0.6			
n-Heptane	ug/m3	ND	03/10/06	WSD	0.5			
Hexachlorobutadiene	ug/m3	ND	03/10/06	WSD	1.3			
Hexane	ug/m3	28.	03/10/06	WSD	0.4			
2-Hexanone	ug/m3	ND	03/10/06	WSD	1.7			
Isopropanol	ug/m3	110	03/10/06	WSD	0.3			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	03/10/06	WSD	1.5			
Methylene Chloride	ug/m3	2.4	03/10/06	WSD	0.8			
4-Methyl-2-Pentanone (MIBK)	ug/m3	9.6	03/10/06	WSD	0.5			
Propene	ug/m3	ND	03/10/06	WSD	0.3			
Styrene	ug/m3	ND	03/10/06	WSD	1.8			
1,1,2,2-Tetrachloroethane	ug/m3	ND	03/10/06	WSD	0.9			
Tetrachloroethylene	ug/m3	26.	03/10/06	WSD	0.8			
Tetrahydrofuran	ug/m3	ND	03/10/06	WSD	1.2			
Toluene	ug/m3	ND	03/10/06	WSD	1.6			
1,2,4-Trichlorobenzene	ug/m3	ND	03/10/06	WSD	0.9			
1,1,1-Trichloroethane	ug/m3	120	03/10/06	WSD	0.7			
1,1,2-Trichloroethane	ug/m3	ND	03/10/06	WSD	0.7			
Trichloroethylene	ug/m3	4.7	03/10/06	WSD	0.6			
Trichlorofluoromethane	ug/m3	1.1	03/10/06	WSD	0.7			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	270	03/10/06	WSD	0.9			
1,2,4-Trimethylbenzene	ug/m3	21.	03/10/06	WSD	0.6			
1,3,5-Trimethylbenzene	ug/m3	7.3	03/10/06	WSD	0.6			
Vinyl Acetate	ug/m3	ND	03/10/06	WSD	0.5			
Vinyl Chloride	ug/m3	ND	03/10/06	WSD	0.4			
m/p-Xylene	ug/m3	96.	03/10/06	WSD	0.5			
o-Xylene	ug/m3	48.	03/10/06	WSD	0.5			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

\* = See end of report for comments and notes applying to this sample

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Purchase Order No.:

Project Number: 84767.01

Project Location: FRENCH ROAD, UTICA, NY

LIMS-BAT #: LIMS-95772

Date Received: 3/1/2006

Job Number: 84767.01

Field Sample #: S6

Sample ID: 06B07715

Sampled: 2/26/2006

SUB - SLAB LEADWARE ASSEMBLY

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	230	03/13/06	WSD	0.3			
Benzene	ug/m3	5.1	03/13/06	WSD	0.4			
Benzyl Chloride	ug/m3	ND	03/13/06	WSD	0.7			
Bromodichloromethane	ug/m3	ND	03/13/06	WSD	0.9			
Bromomethane	ug/m3	ND	03/13/06	WSD	0.5			
1,3-Butadiene	ug/m3	ND	03/13/06	WSD	0.3			
2-Butanone (MEK)	ug/m3	22.	03/13/06	WSD	0.4			
Carbon Disulfide	ug/m3	4.0	03/13/06	WSD	0.4			
Carbon Tetrachloride	ug/m3	ND	03/13/06	WSD	0.8			
Chlorobenzene	ug/m3	ND	03/13/06	WSD	0.6			
Chlorodibromomethane	ug/m3	ND	03/13/06	WSD	1.1			
Chloroethane	ug/m3	ND	03/13/06	WSD	0.4			
Chloroform	ug/m3	12.	03/13/06	WSD	0.6			
Chloromethane	ug/m3	ND	03/13/06	WSD	0.3			
Cyclohexane	ug/m3	3.4	03/13/06	WSD	0.4			
1,2-Dibromoethane	ug/m3	ND	03/13/06	WSD	1.0			
1,2-Dichlorobenzene	ug/m3	ND	03/13/06	WSD	2.5			
1,3-Dichlorobenzene	ug/m3	ND	03/13/06	WSD	2.5			
1,4-Dichlorobenzene	ug/m3	ND	03/13/06	WSD	2.5			
Dichlorodifluoromethane	ug/m3	500	03/13/06	WSD	0.6			
1,1-Dichloroethane	ug/m3	6.2	03/13/06	WSD	0.5			
1,2-Dichloroethane	ug/m3	ND	03/13/06	WSD	0.5			
1,1-Dichloroethylene	ug/m3	5.1	03/13/06	WSD	0.5			
cis-1,2-Dichloroethylene	ug/m3	2.8	03/13/06	WSD	0.5			
t-1,2-Dichloroethylene	ug/m3	ND	03/13/06	WSD	0.5			
1,2-Dichloropropane	ug/m3	ND	03/13/06	WSD	0.6			
cis-1,3-Dichloropropene	ug/m3	ND	03/13/06	WSD	0.6			
trans-1,3-Dichloropropene	ug/m3	ND	03/13/06	WSD	1.9			
Dichlorodifluoromethane	ug/mug/m3							

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Project Location: FRENCH ROAD, UTICA, NY  
 Date Received: 3/1/2006  
 Field Sample #: S7

Purchase Order No.:

Project Number: 84767.01  
 LIMS-BAT #: LIMS-95772  
 Job Number: 84767.01

Sample ID: \*06B07710

Sampled: 2/26/2006  
 SUB - SLAB MATERIAL STGE. HALL

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	500	03/09/06	WSD	0.3			
Benzene	ug/m3	31.	03/09/06	WSD	0.4			
Benzyl Chloride	ug/m3	ND	03/09/06	WSD	2.1			
Bromodichloromethane	ug/m3	ND	03/09/06	WSD	0.9			
Bromomethane	ug/m3	ND	03/09/06	WSD	0.5			
1,3-Butadiene	ug/m3	ND	03/09/06	WSD	0.3			
2-Butanone (MEK)	ug/m3	17.	03/09/06	WSD	0.4			
Carbon Disulfide	ug/m3	25.	03/09/06	WSD	0.4			
Carbon Tetrachloride	ug/m3	ND	03/09/06	WSD	0.8			
Chlorobenzene	ug/m3	ND	03/09/06	WSD	0.6			
Chlorodibromomethane	ug/m3	ND	03/09/06	WSD	1.1			
Chloroethane	ug/m3	0.5	03/09/06	WSD	0.3			
Chloroform	ug/m3	1.5	03/09/06	WSD	0.6			
Chloromethane	ug/m3	0.8	03/09/06	WSD	0.3			
Cyclohexane	ug/m3	50.	03/09/06	WSD	0.4			

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Project Location: FRENCH ROAD, UTICA, NY  
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Project Number: 84767.01  
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Job Number: 84767.01



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Purchase Order No.:

Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/1/2006  
Field Sample # : S9  
Sample ID : 06B07704

Sampled : 2/26/2006

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Project Number: 84767.01

LIMS-BAT #: LIMS-95772

Job Number: 84767.01

Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
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Purchase Order No.:

Project Number: 84767.01

Project Location: FRENCH ROAD, UTICA, NY

LIMS-BAT #: LIMS-95772

Date Received: 3/1/2006

Job Number: 84767.01

Field Sample #: S9

Sample ID: 06B07704

Sampled: 2/26/2006

SUB - SLAB CET STORAGE (SOUTH)

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	03/05/06	WSD	0.5			
Ethylbenzene	ug/m3	2.2	03/05/06	WSD	0.5			
4-Ethyl Toluene	ug/m3	ND	03/05/06	WSD	2.0			
n-Heptane	ug/m3	15.	03/05/06	WSD	0.5			
Hexachlorobutadiene	ug/m3	ND	03/05/06	WSD	1.3			
Hexane	ug/m3	57.	03/05/06	WSD	0.4			
2-Hexanone	ug/m3	ND	03/05/06	WSD	0.5			
Isopropanol	ug/m3	110	03/05/06	WSD	0.3			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	03/05/06	WSD	1.5			
Methylene Chloride	ug/m3	9.8	03/05/06	WSD	0.8			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	03/05/06	WSD	1.7			
Propene	ug/m3	ND	03/05/06	WSD	0.3			
Styrene	ug/m3	1.8	03/05/06	WSD	0.5			
1,1,2,2-Tetrachloroethane	ug/m3	ND	03/05/06	WSD	0.9			
Tetrachloroethylene	ug/m3	5.0	03/05/06	WSD	0.8			
Tetrahydrofuran	ug/m3	ND	03/05/06	WSD	1.2			
Toluene	ug/m3	32.	03/05/06	WSD	0.4			
1,2,4-Trichlorobenzene	ug/m3	ND	03/05/06	WSD	0.9			
1,1,1-Trichloroethane	ug/m3	14.	03/05/06	WSD	0.7			
1,1,2-Trichloroethane	ug/m3	ND	03/05/06	WSD	0.7			
Trichloroethylene	ug/m3	21.	03/05/06	WSD	0.6			
Trichlorofluoromethane	ug/m3	ND	03/05/06	WSD	0.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	11.	03/05/06	WSD	0.9			
1,2,4-Trimethylbenzene	ug/m3	2.2	03/05/06	WSD	0.6			
1,3,5-Trimethylbenzene	ug/m3	ND	03/05/06	WSD	2.0			
Vinyl Acetate	ug/m3	ND	03/05/06	WSD	0.5			
Vinyl Chloride	ug/m3	ND	03/05/06	WSD	0.4			
m/p-Xylene	ug/m3	6.4	03/05/06	WSD	0.5			
o-Xylene	ug/m3	3.0	03/05/06	WSD	0.5			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

\* = See end of report for comments and notes applying to this sample

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Contract: 84767.01  
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Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/31/2006  
Field Sample #: I1-RETEST

LIMS-BAT #: LIMS-96362  
Job Number: 84767.01

Sample ID: \*06B10826  
Sampled: 3/30/2006  
MOLDING ROOM - NORTH

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	18.	04/11/06	WSD	1.8			
Benzene	ug/m3	ND	04/11/06	WSD	2.4			
Benzyl Chloride	ug/m3	ND	04/11/06	WSD	3.9			
Bromodichloromethane	ug/m3	ug/m3	ND		04/11/06	WSD	2	ug/m3 HiRes

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Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/31/2006  
Field Sample # : I1-RETEST  
Sample ID : \*06B10826

LIMS-BAT #: LIMS-96362  
Job Number: 84767.01

Results	Date	Analyst
	Analyzed	

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Contract: 84767.01  
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Project Location: FRENCH ROAD, UTICA, NY

LIMS-BAT #: LIMS-96362

Date Received: 3/31/2006

Job Number: 84767.01

Field Sample #: I4-RETEST

Sample ID: \*06B10827

Sampled: 3/30/2006  
KITTING ROOM

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Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
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Contract: 84767.01  
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Project Location: FRENCH ROAD, UTICA, NY  
Date Received: 3/31/2006  
Field Sample # : I4-RETEST  
Sample ID : \*06B10827

LIMS-BAT #: LIMS-96362  
Job Number: 84767.01

Results	Date	Analyst
	Analyzed	



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Purchase Order No.:

Project Location: FRENCH ROAD, UTICA, NY

Date Received: 3/1/2006

The following notes were attached to the reported analysis :

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Project Number: 84767.01

LIMS-BAT #: LIMS-95772

Job Number: 84767.01

Sample ID: \* 06B07710

Analysis: Acetone

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

\*\* END OF REPORT \*\*

RL = Reporting Limit

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\* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

ATTACHMENT #4

NYSDOH SOIL VAPOR/INDOOR AIR MATRICES

(derived from NYSDOH Draft Guidance for Evaluating Soil Vapor Intrusion, February 2005)

# Soil Vapor/Indoor Air Matrix 1

## ADDITIONAL NOTES FOR MATRIX 1

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This matrix provides guidance on actions that should be taken to address current and potential exposures related to soil vapor intrusion. To use the matrix accurately as a tool in the decision-making process, the following must be noted:

- [1] The matrix is generic. As such, it may be necessary to modify recommended actions to accommodate building-specific conditions (e.g., dirt floor in basement, crawl spaces, etc.) and/or site-specific conditions (e.g., proximity of building to identified subsurface contamination) for the protection of public health. Additionally, actions more conservative than those specified within the matrix may be implemented at any time. For example, the decision to implement more conservative actions may be based on a comparison of the costs associated with resampling or monitoring to the costs associated with installation and monitoring of a mitigation system.
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude the need to investigate possible sources of vapor contamination, nor does it preclude the need to remediate contaminated soil vapors or the source of soil vapor contamination.
- [3] Extreme care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples must be analyzed by methods that can achieve a minimum reporting limit of 0.25 microgram per cubic meter for indoor and outdoor air samples, and typically 1 microgram per cubic meter for subsurface vapor samples.
- [4] Sub-slab vapor and indoor air samples are typically collected during the heating season since soil vapor intrusion is more likely to occur when a building's heating system is in operation and air is being drawn into the building. If samples are collected during other times of the year, it may be necessary to resample during the heating season to evaluate exposures accurately.
- [5] When current exposures are attributed to sources other than vapor intrusion, the agencies must be provided documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support the agency assessment and follow-up.

# Soil Vapor/Indoor Air Matrix 2

WORKING DRAFT 02.23.05

SUBJECT TO CHANGE

		INDOOR AIR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> )			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> )	< 3	3 to < 30	30 to < 100	100 and above	
< 100	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures  — and —  Monitor	4. MITIGATE  — or —  Take reasonable and practical actions to identify source(s) and reduce exposures  — and —  Monitor	

