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

January 27, 2006

Mr. Jim Burke
Regional Hazardous Waste Remediation Engineer
New York State Department of Environmental Conservation
Region 7
615 Erie Boulevard West
Syracuse, NY 13204-2400

Re: November 2005 Vadose Zone Sampling Results
Former NCR Sewer Line
Emerson Power Transmission, Ithaca, New York

Dear Mr. Burke:

Environmental Strategies Consulting LLC, on behalf of Emerson, has prepared this letter report summarizing the soil vapor sampling conducted along a sewer line, which extends along the east limits of the Emerson Power Transmission (EPT) facility in Ithaca, New York. This sewer line serves the former NCR facility only and is marked on the city of Ithaca utility drawings, as "National Cash Register" sewer. The field investigation work followed the same procedures outlined in the amended Vadose Zone Work Plan submitted to the New York State Department of Environmental Conservation and approved in July 2005. Shallow vadose zone sampling points were installed at four locations where the sewer line traverses the EPT property to evaluate the potential for releases of volatile organic compounds (VOCs). This letter describes the sampling procedures and findings of that work.

Vadose Zone Sampling Procedures

The subject sanitary sewer line extends in a north direction from the former NCR site (currently Axiom) and traverses across the east limits of the EPT property. On November 18, 2005, four shallow vadose zone sampling points (VP-18 through VP-21) were installed along the subject sewer line on the EPT property (Figure 1).

The soil gas sampling points were installed by advancing a 2-inch outside diameter steel casing and a "blind" probe point to approximately 3 to 3.5 feet above the sewer line and ranged in depth from 3 feet to 4 feet below ground surface. A 6-inch-long, stainless steel screen fitted with 0.25-inch inside-diameter Teflon® tubing was lowered to the bottom of each borehole, which was then backfilled with quartz sand to form a 1-foot-thick sampling interval. The remaining annular space was sealed with a bentonite plug that was hydrated with potable water at the surface to prevent seepage into the sand pack.

To ensure for collection of a representative sample, a minimum of one well volume of soil gas was purged from the sampling equipment and the surrounding sand pack using a calibrated hand pump. Once the point was purged, the tubing was clamped (to prevent the entry of ambient air) and

connected to an Entek™ flow regulator. The clamp was removed and the regulator was connected to an evacuated 1-liter Entek™ canister to initiate the sample collection. The flow regulator was pre-set by the laboratory to collect a soil gas sample over 1 hour. The regulator was disconnected from the canister at the end of the 1-hour period to terminate sample collection. Once the sampling activities were complete, the tubing was removed from the ground and the borehole was capped with soil cuttings to match the surrounding surface. Disposable nitrile gloves were worn by the sampling personnel and the gloves were changed before sample collection and retrieval.

The Entek™ canisters were shipped to Centek Laboratories, LLC, of Syracuse, New York, which is certified by the New York State Department of Health Environmental Laboratory Approval Program. Samples of the soil gas in each canister were analyzed for VOCs by U.S. Environmental Protection Agency Method TO-15.

Results

The analytical results are summarized in Table 1 and copies of the laboratory reports are presented in Enclosure A. Concentrations of six VOCs were detected in one or more of the soil gas samples; 1,1,1-trichloroethane (TCA), cis-1,2-dichloroethene (cis-1,2-DCE), methylene chloride, tetrachloroethene (PCE), trans-1,2-dichloroethene, and trichloroethene (TCE). Three VOCs were detected in all four samples: TCE at concentrations ranging from 39.3 micrograms per cubic meter ($\mu g/m^3$) in VP-19 to 536 $\mu g/m^3$ in sample VP-20, TCA at concentrations ranging from 5.21 $\mu g/m^3$ in VP-21 to 67.7 $\mu g/m^3$ in VP-18, and methylene chloride at concentrations ranging from 3.81 $\mu g/m^3$ in VP-19 to 6.96 $\mu g/m^3$ in VP-18. Two samples (VP-18 and VP-20) contained cis-1,2-DCE at concentrations of 3.26 $\mu g/m^3$ and 11.3 $\mu g/m^3$, respectively. PCE was detected in three samples at concentrations ranging from 2.28 $\mu g/m^3$ (VP-20) to 15.9 $\mu g/m^3$ (VP-19). The sample from VP-20 also contained 2.22 $\mu g/m^3$ of trans-1,2-DCE.

The results of the soil gas sampling demonstrate that the sewer line serving the former NCR site is a source of VOC releases. The VOCs detected in soil gas samples collected along the sewer line on the EPT property can only be attributable to releases from this sewer.

If you have any comments or questions, please do not hesitate to contact either Derek Chase (314-553-2767) or me.

Sincerely yours,

James P Bulman

James P. Bulman
Executive Partner

JPB:sph:slp
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Enclosures

cc\encl: Mr. Derek Chase, Emerson

LEGEND

- WATER LINE
- SANITARY SEWER LINE
- GAS LINE
- STORM SEWER LINE
- SOIL VAPOR LOCATION

NOTE: SOIL VAPOR RESULTS REPORTED IN UG/M^3.

TCA	67.7
cis-1,2-DCE	3.26
Methylene Chloride	6.96
PCE	10.9
TCE	477

TCA	5.71
Methylene Chloride	3.81
PCE	15.9
TCE	39.3

TCA	27.7
cis-1,2-DCE	11.3
Methylene Chloride	6.67
PCE	2.28
Trans-1,2-DCE	2.22
TCE	536

TCA	5.21
Methylene Chloride	6.00
TCE	133

APPROXIMATE LOCATION OF FORMER STREAM VALLEY

SOUTH AURORA STREET

NCR SEWER

VP-18

VP-19

VP-20

VP-21

STORM SEWER

RR DITCH

FORMER RR DITCH

SOUTH CAYUGA STREET

SOUTH HILL TERRACE

GAS LINE

GAS LINE

0 80 160

SCALE IN FEET

Figure 1
Soil Vapor Sampling Results - NCR Sewer Line
Emerson Power Transmission
Ithaca, New York

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ENVIRONMENTAL STRATEGIES CONSULTING LLC
11911 FREEDOM DRIVE SUITE 900
RESTON, VIRGINIA 20190
(703) 709-6500

Table 1

NCR Sewer Line Soil Vapor Results
Emerson Power Transmission
Ithaca, New York

Sample Name:	VP-18		VP-19		VP-20		VP-21		TRIP BLANK	
Sampling Depth (ft):	3-4		2.5-3.5		2-3		2-3		N/A	
Date:	11/18/05		11/18/05		11/18/05		11/18/05		11/18/05	
Parameter										
VOCs by EPA Method TO-15 (µg/m^3)										
1,1,1-Trichloroethane	67.7	C	5.71	C	27.7	C	5.21	I	0.832	UC
1,2-Dichloroethane	0.617	U	0.617	U	0.617	U	0.617	U	0.617	U
cis-1,2-Dichloroethene	3.26	C	0.604	UC	11.3	C	0.604	UC	0.604	UC
Methylene chloride	6.96		3.81		6.67		6.00	I	0.53	U
Tetrachloroethylene	10.9		15.9		2.28	I	1.03	U	1.03	U
trans-1,2-Dichloroethene	0.604	U	0.604	U	2.22		0.604	U	0.604	U
Trichloroethene	477		39.3		536		133	I	0.218	U
Vinyl chloride	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U

a/ U = compound not detected above reporting limit; I = associated internal standard criteria not met, estimated result;
C = analyte exceeds calibration criteria. Quantitation estimated.
All soil gas samples were analyzed using EPA-2 TO-15 - "Compendium of Methods for the Determination of Toxic Organic Compounds"

Enclosure A – Laboratory Report

Centek Laboratories, LLC

Date: *02-Dec-05*

CLIENT:	ESC Environmental	**Client Sample ID:**	VP-19
Lab Order:	C0512001	**Tag Number:**	206, 182
Project:	EPT Ithaca, NY	**Collection Date:**	11/18/2005
Lab ID:	C0512001-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15 1UG/M3 W/ 0.25UG/M3 TCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	5.71	0.832		ug/m3	1	11/20/2005
1,1,2,2-Tetrachloroethane	ND	1.05		ug/m3	1	11/20/2005
1,1,2-Trichloroethane	ND	0.832		ug/m3	1	11/20/2005
1,1-Dichloroethane	ND	0.617		ug/m3	1	11/20/2005
1,1-Dichloroethene	ND	0.605		ug/m3	1	11/20/2005
1,2,4-Trichlorobenzene	ND	1.13		ug/m3	1	11/20/2005
1,2,4-Trimethylbenzene	2.90	0.749		ug/m3	1	11/20/2005
1,2-Dibromoethane	ND	1.17		ug/m3	1	11/20/2005
1,2-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,2-Dichloroethane	ND	0.617		ug/m3	1	11/20/2005
1,2-Dichloropropane	ND	0.705		ug/m3	1	11/20/2005
1,3,5-Trimethylbenzene	1.55	0.750		ug/m3	1	11/20/2005
1,3-butadiene	ND	0.337		ug/m3	1	11/20/2005
1,3-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,4-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,4-Dioxane	ND	1.10		ug/m3	1	11/20/2005
2,2,4-trimethylpentane	ND	0.712		ug/m3	1	11/20/2005
4-ethyltoluene	0.500	0.750	J	ug/m3	1	11/20/2005
Acetone	ND	0.724		ug/m3	1	11/20/2005
Allyl chloride	ND	0.477		ug/m3	1	11/20/2005
Benzene	4.35	0.487		ug/m3	1	11/20/2005
Benzyl chloride	ND	0.877		ug/m3	1	11/20/2005
Bromodichloromethane	1.98	1.02		ug/m3	1	11/20/2005
Bromoform	ND	1.58		ug/m3	1	11/20/2005
Bromomethane	ND	0.592		ug/m3	1	11/20/2005
Carbon disulfide	2.56	0.475		ug/m3	1	11/20/2005
Carbon tetrachloride	1.60	0.959		ug/m3	1	11/20/2005
Chlorobenzene	ND	0.702		ug/m3	1	11/20/2005
Chloroethane	ND	0.402		ug/m3	1	11/20/2005
Chloroform	280	29.8		ug/m3	40	11/20/2005
Chloromethane	ND	0.315		ug/m3	1	11/20/2005
cis-1,2-Dichloroethene	ND	0.604		ug/m3	1	11/20/2005
cis-1,3-Dichloropropene	ND	0.692		ug/m3	1	11/20/2005
Cyclohexane	ND	0.525		ug/m3	1	11/20/2005
Dibromochloromethane	ND	1.30		ug/m3	1	11/20/2005
Ethyl acetate	ND	0.916		ug/m3	1	11/20/2005
Ethylbenzene	2.30	0.662		ug/m3	1	11/20/2005
Freon 11	2.00	0.857		ug/m3	1	11/20/2005
Freon 113	ND	1.17		ug/m3	1	11/20/2005
Freon 114	ND	1.07		ug/m3	1	11/20/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *02-Dec-05*

CLIENT:	ESC Environmental	**Client Sample ID:**	VP-19
Lab Order:	C0512001	**Tag Number:**	206, 182
Project:	EPT Ithaca, NY	**Collection Date:**	11/18/2005
Lab ID:	C0512001-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15 1UG/M3 W/ 0.25UG/M3 TCE		**TO-15**				Analyst: **RJP**
Freon 12	7.64	0.754		ug/m3	1	11/20/2005
Heptane	27.9	6.25		ug/m3	10	11/20/2005
Hexachloro-1,3-butadiene	ND	1.63		ug/m3	1	11/20/2005
Hexane	19.3	5.37		ug/m3	10	11/20/2005
Isopropyl alcohol	ND	0.375		ug/m3	1	11/20/2005
m-Xylene	6.44	0.662		ug/m3	1	11/20/2005
Methyl Butyl Ketone	ND	1.25		ug/m3	1	11/20/2005
Methyl Ethyl Ketone	ND	0.899		ug/m3	1	11/20/2005
Methyl Isobutyl Ketone	ND	1.25		ug/m3	1	11/20/2005
Methyl tert-butyl ether	ND	0.550		ug/m3	1	11/20/2005
Methylene chloride	3.81	0.530		ug/m3	1	11/20/2005
o-Xylene	1.90	0.662		ug/m3	1	11/20/2005
p-Xylene	2.30	0.662		ug/m3	1	11/20/2005
Propylene	ND	0.262		ug/m3	1	11/20/2005
Styrene	ND	0.649		ug/m3	1	11/20/2005
Tetrachloroethylene	15.9	10.3		ug/m3	10	11/20/2005
Tetrahydrofuran	ND	0.450		ug/m3	1	11/20/2005
Toluene	7.66	5.75		ug/m3	10	11/20/2005
trans-1,2-Dichloroethene	ND	0.604		ug/m3	1	11/20/2005
trans-1,3-Dichloropropene	ND	0.692		ug/m3	1	11/20/2005
Trichloroethene	39.3	2.18		ug/m3	10	11/20/2005
Vinyl acetate	ND	0.537		ug/m3	1	11/20/2005
Vinyl Bromide	ND	0.667		ug/m3	1	11/20/2005
Vinyl chloride	ND	0.390		ug/m3	1	11/20/2005

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *02-Dec-05*

CLIENT:	ESC Environmental	**Client Sample ID:**	VP-18
Lab Order:	C0512001	**Tag Number:**	198, 261
Project:	EPT Ithaca, NY	**Collection Date:**	11/18/2005
Lab ID:	C0512001-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15 1UG/M3 W/ 0.25UG/M3 TCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	67.7	8.32		ug/m3	10	11/20/2005
1,1,2,2-Tetrachloroethane	ND	1.05		ug/m3	1	11/20/2005
1,1,2-Trichloroethane	ND	0.832		ug/m3	1	11/20/2005
1,1-Dichloroethane	ND	0.617		ug/m3	1	11/20/2005
1,1-Dichloroethene	ND	0.605		ug/m3	1	11/20/2005
1,2,4-Trichlorobenzene	ND	1.13		ug/m3	1	11/20/2005
1,2,4-Trimethylbenzene	0.949	0.749		ug/m3	1	11/20/2005
1,2-Dibromoethane	ND	1.17		ug/m3	1	11/20/2005
1,2-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,2-Dichloroethane	ND	0.617		ug/m3	1	11/20/2005
1,2-Dichloropropane	ND	0.705		ug/m3	1	11/20/2005
1,3,5-Trimethylbenzene	0.750	0.750		ug/m3	1	11/20/2005
1,3-butadiene	ND	0.337		ug/m3	1	11/20/2005
1,3-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,4-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,4-Dioxane	ND	1.10		ug/m3	1	11/20/2005
2,2,4-trimethylpentane	ND	0.712		ug/m3	1	11/20/2005
4-ethyltoluene	ND	0.750		ug/m3	1	11/20/2005
Acetone	ND	0.724		ug/m3	1	11/20/2005
Allyl chloride	ND	0.477		ug/m3	1	11/20/2005
Benzene	3.21	0.487		ug/m3	1	11/20/2005
Benzyl chloride	ND	0.877		ug/m3	1	11/20/2005
Bromodichloromethane	7.63	1.02		ug/m3	1	11/20/2005
Bromoform	ND	1.58		ug/m3	1	11/20/2005
Bromomethane	ND	0.592		ug/m3	1	11/20/2005
Carbon disulfide	1.04	0.475		ug/m3	1	11/20/2005
Carbon tetrachloride	ND	0.959		ug/m3	1	11/20/2005
Chlorobenzene	ND	0.702		ug/m3	1	11/20/2005
Chloroethane	ND	0.402		ug/m3	1	11/20/2005
Chloroform	71.0	7.44		ug/m3	10	11/20/2005
Chloromethane	ND	0.315		ug/m3	1	11/20/2005
cis-1,2-Dichloroethene	3.26	0.604		ug/m3	1	11/20/2005
cis-1,3-Dichloropropene	ND	0.692		ug/m3	1	11/20/2005
Cyclohexane	5.42	0.525		ug/m3	1	11/20/2005
Dibromochloromethane	ND	1.30		ug/m3	1	11/20/2005
Ethyl acetate	ND	0.916		ug/m3	1	11/20/2005
Ethylbenzene	0.662	0.662		ug/m3	1	11/20/2005
Freon 11	1.94	0.857		ug/m3	1	11/20/2005
Freon 113	5.53	1.17		ug/m3	1	11/20/2005
Freon 114	ND	1.07		ug/m3	1	11/20/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *02-Dec-05*

CLIENT:	ESC Environmental	**Client Sample ID:**	VP-18
Lab Order:	C0512001	**Tag Number:**	198, 261
Project:	EPT Ithaca, NY	**Collection Date:**	11/18/2005
Lab ID:	C0512001-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15 1UG/M3 W/ 0.25UG/M3 TCE		**TO-15**				Analyst: **RJP**
Freon 12	4.37	0.754		ug/m3	1	11/20/2005
Heptane	3.71	0.625		ug/m3	1	11/20/2005
Hexachloro-1,3-butadiene	ND	1.63		ug/m3	1	11/20/2005
Hexane	6.95	0.537		ug/m3	1	11/20/2005
Isopropyl alcohol	ND	0.375		ug/m3	1	11/20/2005
m-Xylene	2.07	0.662		ug/m3	1	11/20/2005
Methyl Butyl Ketone	0.874	1.25	J	ug/m3	1	11/20/2005
Methyl Ethyl Ketone	ND	0.899		ug/m3	1	11/20/2005
Methyl Isobutyl Ketone	ND	1.25		ug/m3	1	11/20/2005
Methyl tert-butyl ether	ND	0.550		ug/m3	1	11/20/2005
Methylene chloride	6.96	0.530		ug/m3	1	11/20/2005
o-Xylene	0.794	0.662		ug/m3	1	11/20/2005
p-Xylene	0.750	0.662		ug/m3	1	11/20/2005
Propylene	ND	0.262		ug/m3	1	11/20/2005
Styrene	0.866	0.649		ug/m3	1	11/20/2005
Tetrachloroethylene	10.9	1.03		ug/m3	1	11/20/2005
Tetrahydrofuran	ND	0.450		ug/m3	1	11/20/2005
Toluene	5.25	0.575		ug/m3	1	11/20/2005
trans-1,2-Dichloroethene	ND	0.604		ug/m3	1	11/20/2005
trans-1,3-Dichloropropene	ND	0.692		ug/m3	1	11/20/2005
Trichloroethene	477	19.7		ug/m3	90	11/20/2005
Vinyl acetate	ND	0.537		ug/m3	1	11/20/2005
Vinyl Bromide	ND	0.667		ug/m3	1	11/20/2005
Vinyl chloride	ND	0.390		ug/m3	1	11/20/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *02-Dec-05*

CLIENT:	ESC Environmental	**Client Sample ID:**	VP-20
Lab Order:	C0512001	**Tag Number:**	135, 180
Project:	EPT Ithaca, NY	**Collection Date:**	11/18/2005
Lab ID:	C0512001-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15 1UG/M3 W/ 0.25UG/M3 TCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	27.7	8.32		ug/m3	10	11/20/2005
1,1,2,2-Tetrachloroethane	ND	1.05		ug/m3	1	11/20/2005
1,1,2-Trichloroethane	ND	0.832		ug/m3	1	11/20/2005
1,1-Dichloroethane	ND	0.617		ug/m3	1	11/20/2005
1,1-Dichloroethene	ND	0.605		ug/m3	1	11/20/2005
1,2,4-Trichlorobenzene	ND	1.13		ug/m3	1	11/20/2005
1,2,4-Trimethylbenzene	1.60	0.749		ug/m3	1	11/20/2005
1,2-Dibromoethane	ND	1.17		ug/m3	1	11/20/2005
1,2-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,2-Dichloroethane	ND	0.617		ug/m3	1	11/20/2005
1,2-Dichloropropane	ND	0.705		ug/m3	1	11/20/2005
1,3,5-Trimethylbenzene	1.85	0.750		ug/m3	1	11/20/2005
1,3-butadiene	ND	0.337		ug/m3	1	11/20/2005
1,3-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,4-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,4-Dioxane	ND	1.10		ug/m3	1	11/20/2005
2,2,4-trimethylpentane	ND	0.712		ug/m3	1	11/20/2005
4-ethyltoluene	0.650	0.750	J	ug/m3	1	11/20/2005
Acetone	ND	0.724		ug/m3	1	11/20/2005
Allyl chloride	ND	0.477		ug/m3	1	11/20/2005
Benzene	2.92	0.487		ug/m3	1	11/20/2005
Benzyl chloride	ND	0.877		ug/m3	1	11/20/2005
Bromodichloromethane	ND	1.02		ug/m3	1	11/20/2005
Bromoform	ND	1.58		ug/m3	1	11/20/2005
Bromomethane	ND	0.592		ug/m3	1	11/20/2005
Carbon disulfide	5.13	0.475		ug/m3	1	11/20/2005
Carbon tetrachloride	ND	0.959		ug/m3	1	11/20/2005
Chlorobenzene	ND	0.702		ug/m3	1	11/20/2005
Chloroethane	ND	0.402		ug/m3	1	11/20/2005
Chloroform	17.4	7.44		ug/m3	10	11/20/2005
Chloromethane	ND	0.315		ug/m3	1	11/20/2005
cis-1,2-Dichloroethene	11.3	6.04		ug/m3	10	11/20/2005
cis-1,3-Dichloropropene	ND	0.692		ug/m3	1	11/20/2005
Cyclohexane	13.3	5.25		ug/m3	10	11/20/2005
Dibromochloromethane	ND	1.30		ug/m3	1	11/20/2005
Ethyl acetate	ND	0.916		ug/m3	1	11/20/2005
Ethylbenzene	1.28	0.662		ug/m3	1	11/20/2005
Freon 11	2.06	0.857		ug/m3	1	11/20/2005
Freon 113	1.32	1.17		ug/m3	1	11/20/2005
Freon 114	ND	1.07		ug/m3	1	11/20/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *02-Dec-05*

CLIENT:	ESC Environmental	**Client Sample ID:**	VP-20
Lab Order:	C0512001	**Tag Number:**	135, 180
Project:	EPT Ithaca, NY	**Collection Date:**	11/18/2005
Lab ID:	C0512001-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15 1UG/M3 W/ 0.25UG/M3 TCE		**TO-15**				Analyst: **RJP**
Freon 12	3.92	0.754		ug/m3	1	11/20/2005
Heptane	40.0	6.25		ug/m3	10	11/20/2005
Hexachloro-1,3-butadiene	ND	1.63		ug/m3	1	11/20/2005
Hexane	18.6	5.37		ug/m3	10	11/20/2005
Isopropyl alcohol	ND	0.375		ug/m3	1	11/20/2005
m-Xylene	6.53	0.662		ug/m3	1	11/20/2005
Methyl Butyl Ketone	ND	1.25		ug/m3	1	11/20/2005
Methyl Ethyl Ketone	ND	0.899		ug/m3	1	11/20/2005
Methyl Isobutyl Ketone	ND	1.25		ug/m3	1	11/20/2005
Methyl tert-butyl ether	ND	0.550		ug/m3	1	11/20/2005
Methylene chloride	6.67	0.530		ug/m3	1	11/20/2005
o-Xylene	3.22	0.662		ug/m3	1	11/20/2005
p-Xylene	3.13	0.662		ug/m3	1	11/20/2005
Propylene	ND	0.262		ug/m3	1	11/20/2005
Styrene	ND	0.649		ug/m3	1	11/20/2005
Tetrachloroethylene	2.28	1.03		ug/m3	1	11/20/2005
Tetrahydrofuran	ND	0.450		ug/m3	1	11/20/2005
Toluene	7.70	0.575		ug/m3	1	11/20/2005
trans-1,2-Dichloroethene	2.22	0.604		ug/m3	1	11/20/2005
trans-1,3-Dichloropropene	ND	0.692		ug/m3	1	11/20/2005
Trichloroethene	536	19.7		ug/m3	90	11/20/2005
Vinyl acetate	ND	0.537		ug/m3	1	11/20/2005
Vinyl Bromide	ND	0.667		ug/m3	1	11/20/2005
Vinyl chloride	ND	0.390		ug/m3	1	11/20/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *02-Dec-05*

CLIENT:	ESC Environmental	**Client Sample ID:**	VP-21
Lab Order:	C0512001	**Tag Number:**	171, 152
Project:	EPT Ithaca, NY	**Collection Date:**	11/18/2005
Lab ID:	C0512001-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15 1UG/M3 W/ 0.25UG/M3 TCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	5.21	0.832		ug/m3	1	11/20/2005
1,1,2,2-Tetrachloroethane	ND	1.05		ug/m3	1	11/20/2005
1,1,2-Trichloroethane	ND	0.832		ug/m3	1	11/20/2005
1,1-Dichloroethane	ND	0.617		ug/m3	1	11/20/2005
1,1-Dichloroethene	ND	0.605		ug/m3	1	11/20/2005
1,2,4-Trichlorobenzene	ND	1.13		ug/m3	1	11/20/2005
1,2,4-Trimethylbenzene	1.85	0.749		ug/m3	1	11/20/2005
1,2-Dibromoethane	ND	1.17		ug/m3	1	11/20/2005
1,2-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,2-Dichloroethane	ND	0.617		ug/m3	1	11/20/2005
1,2-Dichloropropane	ND	0.705		ug/m3	1	11/20/2005
1,3,5-Trimethylbenzene	1.05	0.750		ug/m3	1	11/20/2005
1,3-butadiene	ND	0.337		ug/m3	1	11/20/2005
1,3-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,4-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,4-Dioxane	ND	1.10		ug/m3	1	11/20/2005
2,2,4-trimethylpentane	9.35	0.712		ug/m3	1	11/20/2005
4-ethyltoluene	0.500	0.750	J	ug/m3	1	11/20/2005
Acetone	ND	0.724		ug/m3	1	11/20/2005
Allyl chloride	ND	0.477		ug/m3	1	11/20/2005
Benzene	1.72	0.487		ug/m3	1	11/20/2005
Benzyl chloride	ND	0.877		ug/m3	1	11/20/2005
Bromodichloromethane	ND	1.02		ug/m3	1	11/20/2005
Bromoform	ND	1.58		ug/m3	1	11/20/2005
Bromomethane	ND	0.592		ug/m3	1	11/20/2005
Carbon disulfide	1.14	0.475		ug/m3	1	11/20/2005
Carbon tetrachloride	ND	0.959		ug/m3	1	11/20/2005
Chlorobenzene	ND	0.702		ug/m3	1	11/20/2005
Chloroethane	ND	0.402		ug/m3	1	11/20/2005
Chloroform	5.66	0.744		ug/m3	1	11/20/2005
Chloromethane	ND	0.315		ug/m3	1	11/20/2005
cis-1,2-Dichloroethene	ND	0.604		ug/m3	1	11/20/2005
cis-1,3-Dichloropropene	ND	0.692		ug/m3	1	11/20/2005
Cyclohexane	6.33	0.525		ug/m3	1	11/20/2005
Dibromochloromethane	ND	1.30		ug/m3	1	11/20/2005
Ethyl acetate	ND	0.916		ug/m3	1	11/20/2005
Ethylbenzene	0.750	0.662		ug/m3	1	11/20/2005
Freon 11	1.83	0.857		ug/m3	1	11/20/2005
Freon 113	0.857	1.17	J	ug/m3	1	11/20/2005
Freon 114	ND	1.07		ug/m3	1	11/20/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *02-Dec-05*

CLIENT:	ESC Environmental	**Client Sample ID:**	VP-21
Lab Order:	C0512001	**Tag Number:**	171, 152
Project:	EPT Ithaca, NY	**Collection Date:**	11/18/2005
Lab ID:	C0512001-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15 1UG/M3 W/ 0.25UG/M3 TCE		**TO-15**				Analyst: **RJP**
Freon 12	3.17	0.754		ug/m3	1	11/20/2005
Heptane	5.12	0.625		ug/m3	1	11/20/2005
Hexachloro-1,3-butadiene	ND	1.63		ug/m3	1	11/20/2005
Hexane	4.94	0.537		ug/m3	1	11/20/2005
Isopropyl alcohol	ND	0.375		ug/m3	1	11/20/2005
m-Xylene	2.12	0.662		ug/m3	1	11/20/2005
Methyl Butyl Ketone	ND	1.25		ug/m3	1	11/20/2005
Methyl Ethyl Ketone	ND	0.899		ug/m3	1	11/20/2005
Methyl Isobutyl Ketone	ND	1.25		ug/m3	1	11/20/2005
Methyl tert-butyl ether	ND	0.550		ug/m3	1	11/20/2005
Methylene chloride	6.00	0.530		ug/m3	1	11/20/2005
o-Xylene	1.06	0.662		ug/m3	1	11/20/2005
p-Xylene	1.06	0.662		ug/m3	1	11/20/2005
Propylene	ND	0.262		ug/m3	1	11/20/2005
Styrene	ND	0.649		ug/m3	1	11/20/2005
Tetrachloroethylene	ND	1.03		ug/m3	1	11/20/2005
Tetrahydrofuran	ND	0.450		ug/m3	1	11/20/2005
Toluene	3.72	0.575		ug/m3	1	11/20/2005
trans-1,2-Dichloroethene	ND	0.604		ug/m3	1	11/20/2005
trans-1,3-Dichloropropene	ND	0.692		ug/m3	1	11/20/2005
Trichloroethene	133	4.37		ug/m3	20	11/20/2005
Vinyl acetate	ND	0.537		ug/m3	1	11/20/2005
Vinyl Bromide	ND	0.667		ug/m3	1	11/20/2005
Vinyl chloride	ND	0.390		ug/m3	1	11/20/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *02-Dec-05*

CLIENT:	ESC Environmental	**Client Sample ID:**	TRIP BLANK
Lab Order:	C0512001	**Tag Number:**	130
Project:	EPT Ithaca, NY	**Collection Date:**	11/18/2005
Lab ID:	C0512001-005A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15 1UG/M3 W/ 0.25UG/M3 TCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.832		ug/m3	1	11/20/2005
1,1,2,2-Tetrachloroethane	ND	1.05		ug/m3	1	11/20/2005
1,1,2-Trichloroethane	ND	0.832		ug/m3	1	11/20/2005
1,1-Dichloroethane	ND	0.617		ug/m3	1	11/20/2005
1,1-Dichloroethene	ND	0.605		ug/m3	1	11/20/2005
1,2,4-Trichlorobenzene	ND	1.13		ug/m3	1	11/20/2005
1,2,4-Trimethylbenzene	ND	0.749		ug/m3	1	11/20/2005
1,2-Dibromoethane	ND	1.17		ug/m3	1	11/20/2005
1,2-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,2-Dichloroethane	ND	0.617		ug/m3	1	11/20/2005
1,2-Dichloropropane	ND	0.705		ug/m3	1	11/20/2005
1,3,5-Trimethylbenzene	ND	0.750		ug/m3	1	11/20/2005
1,3-butadiene	ND	0.337		ug/m3	1	11/20/2005
1,3-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,4-Dichlorobenzene	ND	0.917		ug/m3	1	11/20/2005
1,4-Dioxane	ND	1.10		ug/m3	1	11/20/2005
2,2,4-trimethylpentane	ND	0.712		ug/m3	1	11/20/2005
4-ethyltoluene	ND	0.750		ug/m3	1	11/20/2005
Acetone	ND	0.724		ug/m3	1	11/20/2005
Allyl chloride	ND	0.477		ug/m3	1	11/20/2005
Benzene	ND	0.487		ug/m3	1	11/20/2005
Benzyl chloride	ND	0.877		ug/m3	1	11/20/2005
Bromodichloromethane	ND	1.02		ug/m3	1	11/20/2005
Bromoform	ND	1.58		ug/m3	1	11/20/2005
Bromomethane	ND	0.592		ug/m3	1	11/20/2005
Carbon disulfide	ND	0.475		ug/m3	1	11/20/2005
Carbon tetrachloride	ND	0.959		ug/m3	1	11/20/2005
Chlorobenzene	ND	0.702		ug/m3	1	11/20/2005
Chloroethane	ND	0.402		ug/m3	1	11/20/2005
Chloroform	ND	0.744		ug/m3	1	11/20/2005
Chloromethane	ND	0.315		ug/m3	1	11/20/2005
cis-1,2-Dichloroethene	ND	0.604		ug/m3	1	11/20/2005
cis-1,3-Dichloropropene	ND	0.692		ug/m3	1	11/20/2005
Cyclohexane	ND	0.525		ug/m3	1	11/20/2005
Dibromochloromethane	ND	1.30		ug/m3	1	11/20/2005
Ethyl acetate	ND	0.916		ug/m3	1	11/20/2005
Ethylbenzene	ND	0.662		ug/m3	1	11/20/2005
Freon 11	ND	0.857		ug/m3	1	11/20/2005
Freon 113	ND	1.17		ug/m3	1	11/20/2005
Freon 114	ND	1.07		ug/m3	1	11/20/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *02-Dec-05*

CLIENT:	ESC Environmental	**Client Sample ID:**	TRIP BLANK
Lab Order:	C0512001	**Tag Number:**	130
Project:	EPT Ithaca, NY	**Collection Date:**	11/18/2005
Lab ID:	C0512001-005A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15 1UG/M3 W/ 0.25UG/M3 TCE		**TO-15**				Analyst: **RJP**
Freon 12	ND	0.754		ug/m3	1	11/20/2005
Heptane	ND	0.625		ug/m3	1	11/20/2005
Hexachloro-1,3-butadiene	ND	1.63		ug/m3	1	11/20/2005
Hexane	ND	0.537		ug/m3	1	11/20/2005
Isopropyl alcohol	ND	0.375		ug/m3	1	11/20/2005
m-Xylene	ND	0.662		ug/m3	1	11/20/2005
Methyl Butyl Ketone	ND	1.25		ug/m3	1	11/20/2005
Methyl Ethyl Ketone	ND	0.899		ug/m3	1	11/20/2005
Methyl Isobutyl Ketone	ND	1.25		ug/m3	1	11/20/2005
Methyl tert-butyl ether	ND	0.550		ug/m3	1	11/20/2005
Methylene chloride	ND	0.530		ug/m3	1	11/20/2005
o-Xylene	ND	0.662		ug/m3	1	11/20/2005
p-Xylene	ND	0.662		ug/m3	1	11/20/2005
Propylene	ND	0.262		ug/m3	1	11/20/2005
Styrene	ND	0.649		ug/m3	1	11/20/2005
Tetrachloroethylene	ND	1.03		ug/m3	1	11/20/2005
Tetrahydrofuran	ND	0.450		ug/m3	1	11/20/2005
Toluene	ND	0.575		ug/m3	1	11/20/2005
trans-1,2-Dichloroethene	ND	0.604		ug/m3	1	11/20/2005
trans-1,3-Dichloropropene	ND	0.692		ug/m3	1	11/20/2005
Trichloroethene	ND	0.218		ug/m3	1	11/20/2005
Vinyl acetate	ND	0.537		ug/m3	1	11/20/2005
Vinyl Bromide	ND	0.667		ug/m3	1	11/20/2005
Vinyl chloride	ND	0.390		ug/m3	1	11/20/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		