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Via Email and Federal Express
May 8, 2012

Mr. Jamie Ascher
Engineering Geologist 2
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
Building 40, SUNY
Stony Brook, NY 11790-2356

139990.800

Subject: Results of March 2012 Air and Sub-Slab Vapor Sampling
Bartlett Tree Company Site, NYSDEC Site Registry No. 1-30-074

Dear Mr. Ascher:

The purpose of this letter is to provide the New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH) with the results of the second round of air and sub-slab soil vapor sampling, conducted on March 12, 2012, at the Bartlett Tree Company Site in Westbury, NY. The sampling was performed in accordance with the approved RI/FS Work Plan[1]. The samples were collected prior to the cessation of the heating season, which is generally considered to occur on or about March 31, 2012.

Methods

Three samples were collected as part of the investigation: a sub-slab soil vapor sample (SV-1) an indoor air sample (IA-01), and an outdoor ambient sample (AA-01). The sub-slab and indoor air samples were collected on the ground floor of the office building, and the outdoor air sample was collected in the vicinity of the exterior stairs on the north side of the office building. The sampling was conducted in accordance with "Guidance for Evaluating Soil Vapor Intrusion in New York State" (NYSDOH, October 2006). Samples were submitted to Accutest Laboratories of Dayton, New Jersey for analysis of volatile organic compounds (VOCs) using USEPA Method TO 15 (SUMMA canisters). The laboratory results were reviewed by a qualified data validator for preparation of a Data Usability Summary Report, or DUSR (Attachment A). The data validator determined that the data were acceptable for the intended purposes; no data were qualified or rejected.

Results

Table 1-1 summarizes the analytical results (including the first round data from March 25, 2008) and compares them to available screening values. NYSDOH screening levels for indoor air are shown for reference[2]. Because NYSDOH values are only available for a limited number of analytes, the United States Environmental Protection Agency (USEPA)

[1] "Remedial Investigation/Feasibility Study Work Plan, Bartlett Tree Company Site, Nassau County, New York, NYSDEC Registry No. 130074" Brown and Caldwell Associates; March 2008.
[2] Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York; New York State Department of Health Bureau of Environmental Exposure Investigation; October 2006

OSWER screening levels (at a 10^{-6} cancer level) for indoor air are also shown[3]. Sub-slab concentrations are compared to the OSWER shallow soil gas screening levels. Note that the OSWER soil vapor screening levels assume a conservative 10-fold attenuation between shallow soil gas and indoor air. Reported values that exceed the screening levels are boxed and shown in bold on Table 1-1.

The chlorinated VOC (CVOC) tetrachloroethene (PCE) was detected in sub-slab vapor, indoor air and outdoor air. The sub-slab concentration (1070 ug/m^3) exceeded the OSWER screening level of 8.1 ug/m^3, and is comparable to the sub-slab concentration found in the March 2008. PCE has been previously detected at relatively low concentrations in groundwater upgradient of and beneath the site. It was also present at low concentration (21 ppb) in soil removed from the base of the former mechanic's pit on the ground floor. However, it appears the PCE presence in indoor air may not be related to vapor intrusion because the indoor air concentrations from both rounds of sampling (2.3 and 2.9 ug/m^3) were comparable to the ambient (outdoor) air concentrations (2.0 and 1.3 ug/m^3) and were more than two orders of magnitude lower than the sub-slab concentrations. The indoor air concentrations of PCE are well below the 100 ug/m^3 NYSDOH screening level. It should be noted that the OSWER screening level for indoor air is a hypothetical risk-based level using draft toxicity factors.

The CVOC trichloroethene (TCE), which has also been associated with groundwater upgradient of and beneath the site, was detected in soil vapor, although at a far lower concentration than PCE. TCE was not detected in indoor or ambient air, and the soil vapor concentration of 2.6 ug/m^3 was well below the NYSDOH screening level of 5 ug/m^3. As with PCE, the OSWER hypothetical risk-based value is much lower than the NYSDOH screening level and is based on draft toxicity information.

Two other CVOCs, carbon tetrachloride (0.63J ug/m^3) and methylene chloride (14 ug/m^3), were detected in indoor air at concentrations exceeding the OSWER screening levels. Carbon tetrachloride was not detected in the sub-slab vapor sample or ambient air, indicating its presence may be due to an indoor source. The concentration of methylene chloride in soil vapor (4.5 ug/m^3) was lower than the indoor air concentration. The concentration of methylene chloride in ambient air (20 ug/m^3) was comparable to the indoor air concentration, indicating the source of the methylene chloride is unlikely to be in the ground floor space.

A number of non-chlorinated VOCs were detected in indoor air, including benzene; 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene; o-xylene; 4-ethyltoluene; cyclohexane; ethylbenzene; n-heptane; n-hexane; toluene and total xylenes. The concentrations of four of these compounds (1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene, ethylbenzene, and benzene) exceeded the OSWER guidance values. The indoor air concentrations were higher than both sub-slab and ambient air concentrations, indicating likely indoor sources, probably associated with the temporary storage of gasoline powered vehicles and equipment on the ground floor. This temporary condition has been necessitated by the demolition of the storage shed to accommodate site investigation and remediation activities.

[3] OSWER Draft Guidance for Evaluating the Vapor Intrusion Indoor Air Pathway from Groundwater and Soils; USEPA Office of Solid Waste and Emergency Response; November 2002

Recommendations

The October 2006 NYSDOH guidance provides decision matrices for PCE and TCE. Based on the levels of TCE detected in sub-slab soil vapor and indoor air, Matrix 1 (which includes TCE) recommends no further action for this compound. Based on the first and second-round concentrations of PCE detected in sub-slab soil vapor, Matrix 2 (which includes PCE) recommends monitoring (first round results) or mitigation (second round results). The floor slab appears to be functioning as an effective vapor barrier, since the indoor air concentration of PCE is more than 300 times lower than the sub-slab concentration (vs. the 10-fold factor assumed in the OSWER screening). This high degree of attenuation, together with the fact that the ambient air concentrations of PCE are comparable to indoor air concentrations, indicates that sub-slab mitigation efforts are not likely to significantly reduce indoor concentrations of PCE. Continued indoor air monitoring on the ground floor is therefore recommended.

Once remedial construction is complete, discontinuing the storage of gasoline powered vehicles and equipment (e.g., chainsaws) on the ground floor should reduce the indoor air concentrations of gasoline/petroleum distillate constituents.

If you have any questions or concerns, please contact me.

Very truly yours,

Brown and Caldwell Associates

Frank Williams

Frank Williams, P.G.
Project Manager

cc: Anthony Perretta, NYSDOH (electronic only)
Rosalie K. Rusinko, Esq., DEC (electronic only)
David Marren, Esq., FA Bartlett Tree Expert Company (electronic only)
Yvonne Hennessey, Esq., The West Firm, PLLC (electronic only)

Attachment

TABLE 1-1
SOIL VAPOR, INDOOR AIR, AND AMBIENT AIR
BARTLETT TREE COMPANY SITE, WESTBURY, NEW YORK

		SUB-SLAB			AMBIENT / INDOOR AIR					
Sample Location		SV-01		OSWER	AA-01 (ambient)		IA-01 (indoor)		NYSDOH	OSWER
Sample Depth (ft bgs)		0.5		Subslab					Indoor Air	Indoor Air
Sample Date	CAS Number	3/25/2008	3/12/2012	Guidance [3]	3/25/2008	3/12/2012	3/25/2008	3/12/2012	Guidance [1]	Guidance [2]
Volatile Organics (ug/m^3)										
1,1,1-Trichloroethane	71-55-6	17	22	22000	0.86U	1.1U	0.86U	1.1U	--	2200
1,1,2,2-Tetrachloroethane	79-34-5	3.9U	5.5U	0.42	1.1U	1.4U	1.1U	1.4U	--	0.042
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	4.3U	6.1U	300000	1.2U	1.5U	1.2U	1.5U	--	30000
1,1,2-Trichloroethane	79-00-5	3.1U	4.4U	1.5	0.86U	1.1U	0.86U	1.1U	--	0.15
1,1-Dichloroethane	75-34-3	2.3U	3.2U	5000	0.64U	0.81U	0.64U	0.81U	--	500
1,1-Dichloroethene	75-35-4	2.2U	3.2U	2000	0.63U	0.79U	0.63U	0.79U	--	200
1,2,4-Trichlorobenzene	120-82-1	21U	5.9U	2000	5.9U	1.5U	5.9U	1.5U	--	200
1,2,4-Trimethylbenzene	95-63-6	27	2.9J	60	0.78U	4.9	0.84	**94.4**	--	6
1,2-Dibromoethane (EDB)	106-93-4	4.3U	6.1U	0.11	1.2U	1.5U	ND	1.5U	--	0.011
1,2-Dichlorobenzene	95-50-1	3.4U	4.8U	2000	0.95U	1.2U	ND	1.2U	--	200
1,2-Dichloroethane	107-06-2	2.3U	3.2U	0.94	0.64U	0.81U	ND	0.81U	--	0.094
1,2-Dichloropropane	78-87-5	2.6U	3.7U	40	0.73U	0.92U	ND	0.92U	--	4
1,2-Dichlorotetrafluoroethane (Freon 114)	76-14-2	3.9U	5.6U	--	1.1U	1.4U	ND	1.4U	--	--
1,2-Dimethylbenzene (o-xylene)	95-47-6	22	3.4J	70000	0.69	5.2	0.69U	63.9	--	7000
1,3,5-Trimethylbenzene (mesitylene)	108-67-8	16	3.9U	60	0.78U	1.5	0.78U	**25**	--	6
1,3-Butadiene	106-99-0	1.2U	1.8U	0.087	0.35U	0.44U	0.35U	0.44U	--	0.0087
1,3-Dichlorobenzene	541-73-1	3.4U	4.8U	1100	0.95U	1.2U	0.95U	1.2U	--	110
1,4-Dichlorobenzene	106-46-7	3.4U	4.8U	8000	0.95U	1.2U	0.95U	1.2U	--	800
1,4-Dioxane	123-91-1	2U	2.9U	--	0.57U	0.72U	0.57U	0.72U	--	--
1-Propene	115-07-1	--	3.4U	--	--	2.6	--	0.86U	--	--
2,2,4-Trimethylpentane	540-84-1	--	3.7U	--	--	4.7	--	55.1	--	--
2-Butanone (MEK)	78-93-3	8.3	2.4U	10000	4.7	0.59U	2.6	0.59U	--	1000
2-Chlorotoluene	95-49-8	--	4.1U	--	--	1U	--	1U	--	--
2-Hexanone	591-78-6	12U	3.3U	--	3.2U	0.82U	3.2U	0.82U	--	--
3-Chloropropene (allyl chloride)	107-05-1	--	2.5U	--	--	0.63U	--	0.63U	--	--
4-Ethyltoluene	622-96-8	15	3.9U	--	0.78U	1.9	0.78U	25	--	--
4-Methyl-2-pentanone (MIBK)	108-10-1	2.3U	3.3U	800	0.65U	0.82U	0.65U	0.82U	--	80
Acetone	67-64-1	58	43.9	3500	28	28.7	14	0.48U	--	350

TABLE 1-1
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BARTLETT TREE COMPANY SITE, WESTBURY, NEW YORK

		SUB-SLAB			AMBIENT / INDOOR AIR					
Sample Location		SV-01		OSWER	AA-01 (ambient)		IA-01 (indoor)		NYSDOH	OSWER
Sample Depth (ft bgs)		0.5		Subslab					Indoor Air	Indoor Air
Sample Date	CAS Number	3/25/2008	3/12/2012	Guidance [3]	3/25/2008	3/12/2012	3/25/2008	3/12/2012	Guidance [1]	Guidance [2]
Benzene	71-43-2	**3.4**	**3.5**	3.1	0.79	3.8	0.92	**56.2**	--	0.31
Benzyl chloride	100-44-7	--	4.1U	0.5	--	1U	--	1U	--	0.05
Bromodichloromethane	75-27-4	3.8U	5.4U	1.4	1U	1.3U	1U	1.3U	--	0.14
Bromoethene (vinyl bromide)	593-60-2	--	3.5U	--	--	0.87U	--	0.87U	--	--
Bromoform	75-25-2	5.8U	8.3U	22	1.6U	2.1U	1.6U	2.1U	--	2.2
Bromomethane	74-83-9	2.2U	3.1U	50	0.61U	0.78U	0.61U	0.78U	--	5
Carbon disulfide	75-15-0	8.8U	2.5U	7000	2.5U	0.62U	2.5U	0.62U	--	700
Carbon tetrachloride	56-23-5	3.5U	5U	1.6	0.99U	1.3U	0.99U	**0.63J**	--	0.16
Chlorobenzene	108-90-7	2.6U	3.7U	600	0.73U	0.92U	0.73U	0.92U	--	60
Chloroethane	75-00-3	1.5U	2.1U	100000	0.42U	0.53U	0.42U	0.53U	--	10000
Chloroform	67-66-3	3.9	6.8	1.1	0.77U	0.98U	0.77U	0.98U	--	0.11
Chloromethane	74-87-3	1.2U	1.7U	24	0.79	0.99	0.8	1.1	--	2.4
cis-1,2-Dichloroethene	156-59-2	2.2U	3.2U	350	0.63U	0.79U	0.63U	0.79U	--	35
cis-1,3-Dichloropropene	10061-01-5	2.6U	3.6U	--	0.72U	0.91U	0.72U	0.91U	--	--
Cyclohexane	110-82-7	32	2.8U	--	1.1	1.7	0.55	28	--	--
Dibromochloromethane	124-48-1	4.8U	6.8U	1	1.3U	1.7U	1.3U	1.7U	--	0.1
Dichlorodifluoromethane (Freon 12)	75-71-8	8.5	18	2000	2.4	2.8	2.2	2.8	--	200
Ethanol	64-17-5	5.3U	30.9	--	4.8	59.2	11	588J	--	--
Ethyl acetate	141-78-6	--	2.9U	32000	--	0.72U	--	0.72U	--	3200
Ethylbenzene	100-41-4	6.2	3.4J	22	0.69U	5.2	0.69U	**56**	--	2.2
Hexachlorobutadiene	87-68-3	30U	8.5U	1.1	8.4U	2.1U	8.4U	2.1U	--	0.11
Isopropanol	67-63-0	--	2U	--	--	0.49U	--	0.49U	--	--
m,p-Xylene (sum of isomers)		46	9.1	--	1.7	16	1.5	199	--	--
Methyl methacrylate	80-62-6	--	3.3U	7000	--	0.82U	--	0.82U	--	700
Methylene chloride	75-09-2	3.9U	4.5	52	1.1U	20	1.1U	**14**	60	5.2
n-Heptane (C7)	142-82-5	22	4.1	--	2	3.9	1.3	54.5	--	--
n-Hexane (C6)	110-54-3	5.2	7.8	2000	2.3	7	1.8	133	--	200
Styrene	100-42-5	3.6	3.4U	10000	0.67U	0.85U	0.67U	1.1	--	1000
tert-Butyl alcohol (TBA)	75-65-0	--	2.4U	--	--	0.61U	--	0.61U	--	--

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TABLE 1-1
SOIL VAPOR, INDOOR AIR, AND AMBIENT AIR
BARTLETT TREE COMPANY SITE, WESTBURY, NEW YORK

		SUB-SLAB			AMBIENT / INDOOR AIR					
Sample Location		SV-01		OSWER	AA-01 (ambient)		IA-01 (indoor)		NYSDOH	OSWER
Sample Depth (ft bgs)		0.5		Subslab					Indoor Air	Indoor Air
Sample Date	CAS Number	3/25/2008	3/12/2012	Guidance [3]	3/25/2008	3/12/2012	3/25/2008	3/12/2012	Guidance [1]	Guidance [2]
tert-Butyl methyl ether (MTBE)	1634-04-4	2U	2.9U	30000	0.57U	0.72U	0.57U	0.72U	--	3000
Tetrachloroethene (PCE)	127-18-4	**700**	**1070**	8.1	2	1.3	**2.3**	**2.9**	100	0.81
Tetrahydrofuran	109-99-9	8.3U	2.4U	--	2.3U	0.59U	2.3U	0.59U	--	--
Toluene	108-88-3	16	93.5	4000	3.9	26	3.1	336	--	400
trans-1,2-Dichloroethene	156-60-5	2.2U	3.2U	700	0.63U	0.79U	0.63U	0.79U	--	70
trans-1,3-Dichloropropene	10061-02-6	2.6U	3.6U	--	0.72U	0.91U	0.72U	0.91U	--	--
Trichloroethene (TCE)	79-01-6	**1.6**	**2.6**	0.22	0.17U	0.21U	0.17U	0.21U	5	0.022
Trichlorofluoromethane (Freon 11)	75-69-4	3.2U	4.6	7000	1.1	1.5	1	2.1	--	700
Vinyl acetate	108-05-4	--	2.8U	2000	--	0.7U	--	0.7U	--	200
Vinyl chloride	75-01-4	1.4U	2U	2.8	0.4U	0.51U	0.4U	0.51U	--	0.28
Xylenes, total	1330-20-7	--	13	--	--	21	--	262	--	--

Notes:

U - Analyte was not detected; Reporting limit is reported.
J - Concentration is estimated.
ft bgs - feet below ground surface.
All values in ug/m^3 - micrograms per cubic meter.
Bold/Boxed Values indicate exceedence of one or more screening criteria.
[1] NYSDOH Air Guideline Values (Guidance for Evaluating Vapor Intrusion in the State of New York, 2006, Table 3.1).
[2] USEPA OSWER Target Indoor Air Concentration (Risk Level = $1x10^{-6}$).
[3] USEPA OSWER Target Shallow Gas Concentration corresponding to Target Indoor Air Concentration where the soil gas to indoor air attenuation factor = 0.1.

Attachment A

Data Usability Summary Report

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Environmental Engineers & Consultants

QUALITATIVE DATA USABILITY REPORT
Bartlett Tree Company Site
March 2012 Soil Vapor

SDG No.: JB1511

Laboratory: Accutest Laboratories, Dayton, New Jersey

Site: Bartlett Tree Company Site, Nassau County, New York

Date: April 16, 2012

Samples

Data from the following samples were reviewed:

Laboratory ID	Client ID	Matrix
JB1511-1	SV-01	Soil Vapor
JB1511-2	IA-01	Indoor Air
JB1511-3	AA-01	Ambient Air

A Qualitative Data Usability Review was performed on all analytical data from SDG JB1511. The samples were collected at the Bartlett Tree Company Site, in Nassau County, New York. The following table outlines the analytical methods used to analyze the samples;

Analysis	**Method**
Volatile Organic Compounds (VOC)	TO-15

This review was performed in accordance with NYSDEC Guidance for the Development of Data Usability Summary Reports (revised September 1997).

Data Package Completeness

- The data package was received complete as defined under the requirements for the NYSDEC ASP Category B and USEPA CLP deliverables.

Chains of Custody

The Chains-of Custody (COCs) were reviewed for completeness and accuracy. There were no discrepancies noted and all requested analyses were performed.

Organics

The following were reviewed for the organic analyses in this report:

- Case narrative
- Analysis data sheets (Form 1's)
- Holding time and sample preservation
- Surrogate recoveries
- Lab Control Sample/Lab Control Sample duplicate (LCS/LCSD) recoveries
- Blank contamination
- Gas Chromatography/Mass Spectroscopy (GC/MS) tuning
- Initial and continuing calibration summaries
- Internal Standard area and retention time summary forms

The items listed above were technically and contractually in compliance with the method and Work Plan requirements, with the exceptions discussed in the following text.

Volatiles by Method TO-15

All criteria were in compliance with the exception of the following

- . The ethanol result for sample IA-01 exceeded the calibration range. This result has been qualified as estimated (J).

Validation Qualifiers

The following validation qualifiers may have been applied to the data, as appropriate.

- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
- U = The analyte was tested, but was not detected above the sample reporting limit.
- R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

Summary Evaluation of Data and Potential Usability Issues

Overall, the data is acceptable for the intended purpose. The ethanol result for sample IA-01 has been qualified as estimated (J flagged) due to exceeding the calibration range of the analytical instrument

Signed: _____ Dated: 4/16/12

Gregory J.Cole
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Fax: (916) 635-8805

Accutest LabLink@664069 12:45 29-Mar-2012

Report of Analysis

Client Sample ID:	SV-01		
Lab Sample ID:	JB1511-1	Date Sampled:	03/12/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A291	Date Received:	03/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bartlett Tree, 345 Union Avenue, Westbury, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W34776.D	1	03/22/12	YMH	n/a	n/a	V2W1460
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	18.5	0.80	0.15	ppbv		43.9	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.097	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	1.1	0.80	0.18	ppbv		3.5	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.12	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.15	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.15	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.15	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.16	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.13	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.11	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.16	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	1.4	0.80	0.11	ppbv		6.8	3.9	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.15	ppbv		ND	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.17	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.12	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.16	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.13	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.11	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.18	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.11	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.17	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.15	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.22	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	3.6	0.80	0.15	ppbv		18	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.11	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.15	ppbv		ND	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.17	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.15	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.16	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SV-01		
Lab Sample ID:	JB1511-1	Date Sampled:	03/12/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A291	Date Received:	03/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bartlett Tree, 345 Union Avenue, Westbury, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	16.4	2.0	0.38	ppbv		30.9	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.78	0.80	0.12	ppbv	J	3.4	3.5	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.24	ppbv		ND	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.14	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	1.0	0.80	0.13	ppbv		4.1	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.18	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	2.2	0.80	0.18	ppbv		7.8	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.23	ppbv		ND	2.0	ug/m3
75-09-2	84.94	Methylene chloride	1.3	0.80	0.11	ppbv		4.5	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.80	0.19	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.14	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.11	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	ND	2.0	0.28	ppbv		ND	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	4.1	0.80	0.088	ppbv		22	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.12	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.12	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.20	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.59	0.80	0.096	ppbv	J	2.9	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.11	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.13	ppbv		ND	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	158	0.16	0.11	ppbv		1070	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.19	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	24.8	0.80	0.16	ppbv		93.5	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	0.48	0.16	0.13	ppbv		2.6	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.82	0.80	0.17	ppbv		4.6	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.13	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.23	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	2.1	0.80	0.12	ppbv		9.1	3.5	ug/m3
95-47-6	106.2	o-Xylene	0.79	0.80	0.12	ppbv	J	3.4	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	2.9	0.80	0.12	ppbv		13	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	IA-01		
Lab Sample ID:	JB1511-2	Date Sampled:	03/12/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A833	Date Received:	03/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bartlett Tree, 345 Union Avenue, Westbury, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W34777.D	1	03/22/12	YMH	n/a	n/a	V2W1460
Run #2	2W34794.D	1	03/22/12	YMH	n/a	n/a	V2W1461

	Initial Volume
Run #1	400 ml
Run #2	80.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	ND	0.20	0.036	ppbv		ND	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	17.6	0.20	0.046	ppbv		56.2	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.037	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.54	0.20	0.037	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.031	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.10	0.20	0.040	ppbv	J	0.63	1.3	ug/m3
110-82-7	84.16	Cyclohexane	8.0	0.20	0.034	ppbv		28	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.038	ppbv		2.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-01		
Lab Sample ID:	JB1511-2	Date Sampled:	03/12/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A833	Date Received:	03/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bartlett Tree, 345 Union Avenue, Westbury, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	312 [a]	2.5	0.47	ppbv	J E	588 [a]	4.7	ug/m3
100-41-4	106.2	Ethylbenzene	12.9	0.20	0.031	ppbv		56.0	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.061	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	5.1	0.20	0.024	ppbv		25	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	13.3	0.20	0.033	ppbv		54.5	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	37.8	0.20	0.044	ppbv		133	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.059	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	4.1	0.20	0.027	ppbv		14	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.048	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
115-07-1	42	Propylene	ND	0.50	0.070	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.25	0.20	0.027	ppbv		1.1	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.051	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	19.2	0.20	0.024	ppbv		94.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	5.0	0.20	0.028	ppbv		25	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	11.8	0.20	0.028	ppbv		55.1	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.032	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.43	0.040	0.028	ppbv		2.9	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	89.2 [a]	1.0	0.20	ppbv		336 [a]	3.8	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.38	0.20	0.042	ppbv		2.1	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.057	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	45.7	0.20	0.031	ppbv		199	0.87	ug/m3
95-47-6	106.2	o-Xylene	14.7	0.20	0.031	ppbv		63.9	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	60.4	0.20	0.031	ppbv		262	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%	91%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-01		
Lab Sample ID:	JB1511-2	Date Sampled:	03/12/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A833	Date Received:	03/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bartlett Tree, 345 Union Avenue, Westbury, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	AA-01		
Lab Sample ID:	JB1511-3	Date Sampled:	03/12/12
Matrix:	AIR - Ambient Air Comp. Summa ID: A986	Date Received:	03/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bartlett Tree, 345 Union Avenue, Westbury, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W34778.D	1	03/22/12	YMH	n/a	n/a	V2W1460
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	12.1	0.20	0.036	ppbv		28.7	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.2	0.20	0.046	ppbv		3.8	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.037	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.48	0.20	0.037	ppbv		0.99	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.031	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.48	0.20	0.034	ppbv		1.7	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.038	ppbv		2.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AA-01		
Lab Sample ID:	JB1511-3	Date Sampled:	03/12/12
Matrix:	AIR - Ambient Air Comp. Summa ID: A986	Date Received:	03/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bartlett Tree, 345 Union Avenue, Westbury, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	31.4	0.50	0.095	ppbv		59.2	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	1.2	0.20	0.031	ppbv		5.2	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.061	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.38	0.20	0.024	ppbv		1.9	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.95	0.20	0.033	ppbv		3.9	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	2.0	0.20	0.044	ppbv		7.0	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.059	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	5.9	0.20	0.027	ppbv		20	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.048	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
115-07-1	42	Propylene	1.5	0.50	0.070	ppbv		2.6	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.051	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.0	0.20	0.024	ppbv		4.9	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.31	0.20	0.028	ppbv		1.5	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	1.0	0.20	0.028	ppbv		4.7	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.032	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.19	0.040	0.028	ppbv		1.3	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	7.0	0.20	0.040	ppbv		26	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.26	0.20	0.042	ppbv		1.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.057	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	3.7	0.20	0.031	ppbv		16	0.87	ug/m3
95-47-6	106.2	o-Xylene	1.2	0.20	0.031	ppbv		5.2	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	4.9	0.20	0.031	ppbv		21	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound