August 2009 Supplemental Investigation Report for the Former Bright Outdoors Site Johnson City, New York Site No. 7-04-023

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Prepared for:

THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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List of Abbreviations and Acronyms

DUSR	Data Usability Summary Report
EEEPC	Ecology and Environment Engineering, P.C.
EPA	(United States) Environmental Protection Agency
ID	inner diameter
MS/MSD	matrix spike/matrix spike duplicate
µg/L	micrograms per liter
µg/m^3	micrograms per cubic meter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
NAD 83	North American Datum of 1983
NAVD 88	North American Vertical Datum of 1988
NTU	nephelometric turbidity unit
NYSDEC	New York State Department of Environmental Conservation
PDI	pre-design investigation
RI	remedial investigation
SSDS	sub-slab depressurization system
SVE	soil vapor extraction
TCA	trichloroethane
TCE	trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
VOC	volatile organic compound

1 Introduction and Site Description

Ecology and Environment Engineering, P.C. (EEEPC) performed a supplemental investigation at the Former Bright Outdoors Site (Site No. 7-04-023) located at 631 Field Street in Johnson City, New York (see Figure 1-1). The supplemental work was performed on August 26 and 27, 2009, under Work Assignment No. D004442-21 issued on August 5, 2008, by the New York State Department of Environmental Conservation (NYSDEC).

A light industrial property known as the Former Bright Outdoors site was identified as a source of 1,1,1-trichloroethane (TCA) and trichloroethene (TCE) contamination to the local groundwater. As described in the Remedial Investigation (RI) Report (EEEPC 2005), the 1.8-acre site was first developed in 1966 and was used as a soft drink bottling facility from 1967 until 1984. From 1984 until 2001, the site was owned by American Pipe and Plastics and was operated by Bright Outdoors and then by Impact Sports Equipment for the manufacturing of outdoor furniture and sports equipment using PVC pipe and vinyl-coated polyester. In 2001 the property was sold to 631 Field Street LP and operated by Samscreen, Inc., to manufacture wire screens for the mining and aggregate industries. The facility is currently used on a limited basis for material storage and welding. The site is relatively flat and is covered mostly by buildings and asphalt, with less than 20% of the ground surface covered by grass.

Historically, TCA and TCE in groundwater have been of concern at this site. Figure 1-4 of the 2005 RI Report (EEEPC 2005) shows the groundwater analytical results prior to 2004. As reported in the 2005 RI Report, in 1994 the highest levels of TCA and TCE were found to the south and southwest of the building (445 micrograms per liter [µg/L] and 68 µg/L, respectively). In 1995 the focus of sampling was on the north and east sides of the building, and the highest concentrations of TCA and TCE (270 µg/L and 170 µg/L, respectively) were found on the adjoining property on the east side of the Former Bright Outdoors site. In 1996 samples were collected to the north, south, and east of the site. The highest concentrations were again found to the south, across the street from the site (260 µg/L TCA and 18 µg/L TCE). In 2001 the highest concentration of TCA (160 µg/L) was on the east-central side of the site, and the highest concentration of TCE (91 µg/L) was on the west-central side of the site.

In 2004, an RI was conducted. The analytical results for groundwater samples collected during the RI are shown on Figure 5-3 of the RI Report (EEEPC 2005). The highest concentration of TCA detected in groundwater during the RI was 270 µg/L on the east side of the site in monitoring well MW-05. The highest concentration of TCE detected in groundwater during the RI was 260 µg/L on the west side of the site at groundwater grab sample location BH-08.

In 2008 a pre-design investigation (PDI) was conducted. The analytical results for groundwater samples collected during the PDI are shown in Table 3-1 of the PDI Report (EEEPC 2009). The highest concentration of TCA detected in groundwater during the PDI was 30.9 µg/L on the east side of the site in monitoring well MW-05. The highest concentration of TCE detected in groundwater was 13.9 µg/L, also on the east side of the site in monitoring well MW-05.

During the 2004 RI and 2008 PDI, groundwater elevations measured in existing wells indicated that regional groundwater flow was to the south-southwest, toward the Susquehanna River and Camden Avenue municipal well field. However, on the site, the local groundwater flow was to the west-southwest across the site, turning in a more southerly direction south of the site. The variability in groundwater flow is likely related to localized variation in soil type within the aquifer.

The RI and PDI concluded that the northeast part of the facility (warehouse/former production area) was a likely source of volatile organic compound (VOC) contamination. The most likely conduit for contaminant entry into the subsurface is a floor trench drain running most of the length of the warehouse/former production area, with a pipe exiting at the north end of the trench. However, based on historical groundwater results, an additional contaminant source to the east or northeast is likely also present.

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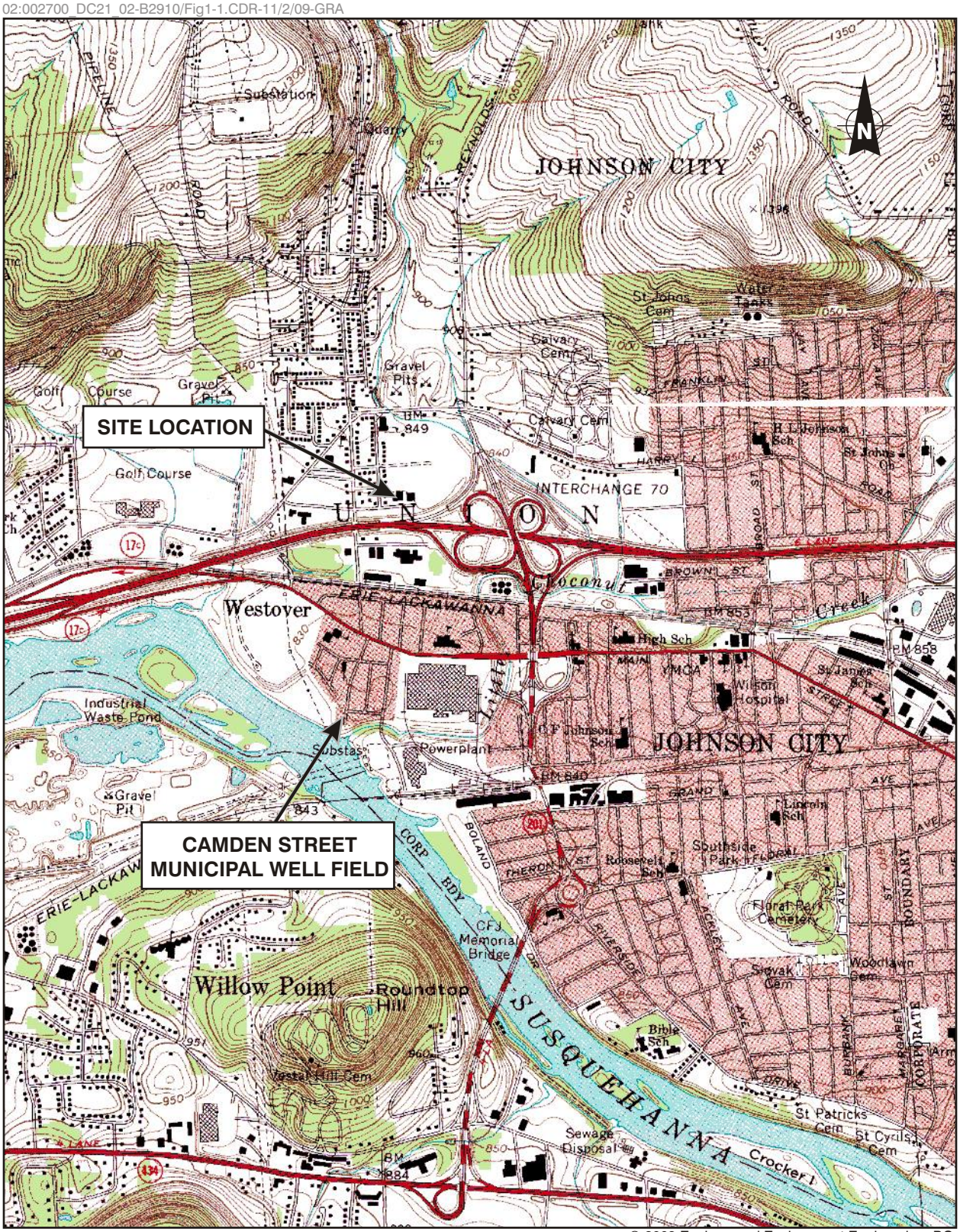

SOURCE: USGS 7.5 Minute Series (Topo) Quadrangle: Binghamton West, NY 1976;
USGS 7.5 Minute Series (Topo) Quadrangle: Castle Creek, NY 1976.

SCALE 1:24,000

0 ½ 1 Mile

0 .5 1 Kilometer

Figure 1-1 Site Location Map
Former Bright Outdoors Site
Johnson City, New York

2 Supplemental Investigation Activities

2.1 Groundwater Sampling

At the request of NYSDEC, groundwater samples were collected as part of this supplemental investigation on August 27, 2009, from eight existing monitoring wells at the site. Groundwater samples were submitted to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts, for analysis of Target Compound List (TCL) VOCs by U.S. Environmental Protection Agency (EPA) SW-846 Method 8260B. Prior to sampling the monitoring wells, static water levels were measured in each well (see Table 2-1). The volume of water in each well was then calculated, and at least three volumes of water standing in the well casing were removed using a 12-volt Mini-typhoon pump and new, dedicated polyethylene tubing for each well. Water quality field parameters (i.e., temperature, pH, specific conductance, and turbidity) were recorded throughout the well purging process and immediately prior to sampling. Purging occurred at a sustainable rate that minimized drawdown and stabilized the water level. The rate was slowed to approximately 100 milliliters per minute for sampling. Well purge and sample forms, including water levels and water quality parameters measured during purging, are provided in Appendix A. A summary of well sampling data, including final groundwater quality parameters measured at the time of sampling, is provided in Table 2-2.

2.2 Permanent Soil Vapor Probe Installation and Sampling

Ten permanent sub-slab soil vapor probes were installed by an EEEPC field team on August 26, 2009. Nine probes were installed inside of the building and one probe was installed outside, under a covered storage area (see Figure 2-1). The probes were installed for the purpose of long-term monitoring of soil vapor conditions beneath the property. The probes were installed by drilling an approximately 2-inch-diameter hole approximately 3 inches into the floor to provide an area large enough to fit the soil vapor probe head. Next, a ⅝-inch-diameter hole was drilled the remainder of the way through the concrete floor slab. Concrete dust generated during drilling was vacuumed away from the drill hole to prevent it from falling into the hole. Stainless steel tubing was connected to the probe head, inserted into the hole and was placed no farther than 2 inches below the bottom of the concrete slab. Granular bentonite was mixed with water to a putty-like consistency and packed tightly around the tubing at the base of the 2-inch-diameter hole. The soil vapor probe head was mounted flush with the concrete

floor and hydraulic cement was used to seal the remaining area of the 2-inch-diameter hole. The probe head was sealed with a plug to prevent any air escaping or entering the tubing. All 10 permanent soil vapor probe locations were left to set overnight.

Sub-slab soil vapor sampling was performed on August 27, 2009. During sampling, the plug was removed from the vapor head and teflon-lined polyethylene tubing was connected to the compression fitting inserted into the probe head. The other end of the tubing was connected with a compression fitting to the flow control valve/pressure gauge assembly that was attached to a pre-cleaned and pre-evacuated sample canister (i.e., a 6-liter Summa Canister). The sample canister number, regulator numbers and starting gauge pressure were recorded for each location. Each sample also was assigned a sample identification number, which was written on the canister identification (ID) tag, chain-of-custody (COC) form, and field data collection forms (see Appendix B).

After the sample collection period of 8 hours elapsed, the final gauge pressure was recorded, the flow control valve was closed, the regulator/gauge assembly was removed, and the labeled sample canister was placed back in its original shipping box. The sample tubing was then removed, and the plug was reinserted into the probe head. After sampling was completed, the canisters were shipped to the laboratory for analysis.

2.3 Investigation-derived Waste

During groundwater sampling, purge water was screened for organic vapors with a photo-ionization detector. No organic vapors were detected, nor was any sheen or odor observed. Therefore, all purge water was disposed of in an unpaved area on the site.

2.4 Quality Control and Data Review

Field quality control (QC) samples included one field duplicate per matrix for groundwater samples and sub-slab vapor samples (FBO-MW-05/Q and FBO-SS-109/Q, respectively) and one trip blank (TB20090827) shipped with the groundwater samples. Duplicate samples provide insight as to the homogeneity of the sample matrix and establish a degree of confidence that the samples represent site conditions. A trip blank was collected to establish that the transport of sample vials to and from the field did not result in the contamination of the samples from external sources. The trip blank consisted of unopened laboratory vials containing deionized water. A review of the duplicate sample and trip blank results is provided in the Data Usability Summary Reports (DUSRs) provided in Appendix C.

Laboratory QC sample results for air and water matrices are presented in the laboratory reports and are discussed in the DUSRs in Appendix C.

The data were qualified following general guidelines in the *EPA CLP National Functional Guidelines for Organic Data Review, EPA 540/R-99-008* (EPA 1999).

DUSRs were prepared for each laboratory report (based on sample delivery group) as specified in NYSDEC's *Guidance for the Development of Quality Assurance Plans and Data Usability Summary Reports* (July 1999). The data review included an evaluation of holding times; initial and continuing calibration; reporting limits; laboratory blanks; matrix spike/matrix spike duplicate (MS/MSD) samples; laboratory control samples; field duplicates; sample result verification; and method-specific (e.g., GC/MS) QC samples.

DUSRs were prepared by EEEPC's project chemist. Any deviations from acceptable QC specifications are discussed in the DUSRs. Qualifiers were added to the data, if appropriate, to indicate potential concerns regarding data usability, and these qualifiers were transferred to the data summary tables in Section 3.

Table 2-1 Monitoring Well and Groundwater Elevations
Former Bright Outdoors Site

Well ID	Date	Time	Well Elevation TOIC (feet)	Well Elevation Ground (feet)	Depth to Water from TOIC (feet)	Groundwater Elevation (feet)
MW-01	8/27/2009	11:35	828.46	828.65	8.98	819.48
MW-02	8/27/2009	13:20	828.19	828.34	8.81	819.38
MW-03	8/27/2009	15:21	827.71	828.03	8.80	818.91
MW-04	8/27/2009	14:25	827.38	827.86	8.30	819.08
MW-05	8/27/2009	16:35	828.22	828.47	8.12	820.10
MW-06	8/27/2009	16:00	828.10	828.44	8.08	820.02
MW-07	8/27/2009	09:43	828.89	829.27	8.64	820.25
MW-08	8/27/2009	12:20	828.40	828.82	8.75	819.65

Note: Elevations are relative to NAVD 88.

Key:
TOIC = Top of inner casing (well).

Table 2-2 Summary of Well Sampling Data and Groundwater Quality Field Measurements
Bright

Sample ID	Date Collected	Time Collected	pH (su)	Temp (°C)	Conductivity (µS/cm)	Turbidity (NTU)	Gallons Purged	Well Volumes Purged
FBO-MW-01	8/27/2009	11:59	6.34	13.3	1930	3.71	20	3.2
FBO-MW-02	8/27/2009	14:02	6.82	13.9	1621	6.46	20	3.5
FBO-MW-03	8/27/2009	15:54	7.03	14.1	1577	1.65	20	3.1
FBO-MW-04	8/27/2009	15:14	6.92	14.7	1557	10.9	20	3.3
FBO-MW-05	8/27/2009	16:53	6.81	14	1750	5.07	12	3.4
FBO-MW-06	8/27/2009	16:25	6.95	14.7	1588	113	9.6	3.3
FBO-MW-07	8/27/2009	09:55	5.84	15.1	872	36.9	7.5	3.6
FBO-MW-08	8/27/2009	12:44	6.61	15	1575	21.1	10	4.5

Key:
°C = degress Centigrade
µS/cm = microSiemens per centimeter
NTU = Nephelometric turbidity units
su = standard units

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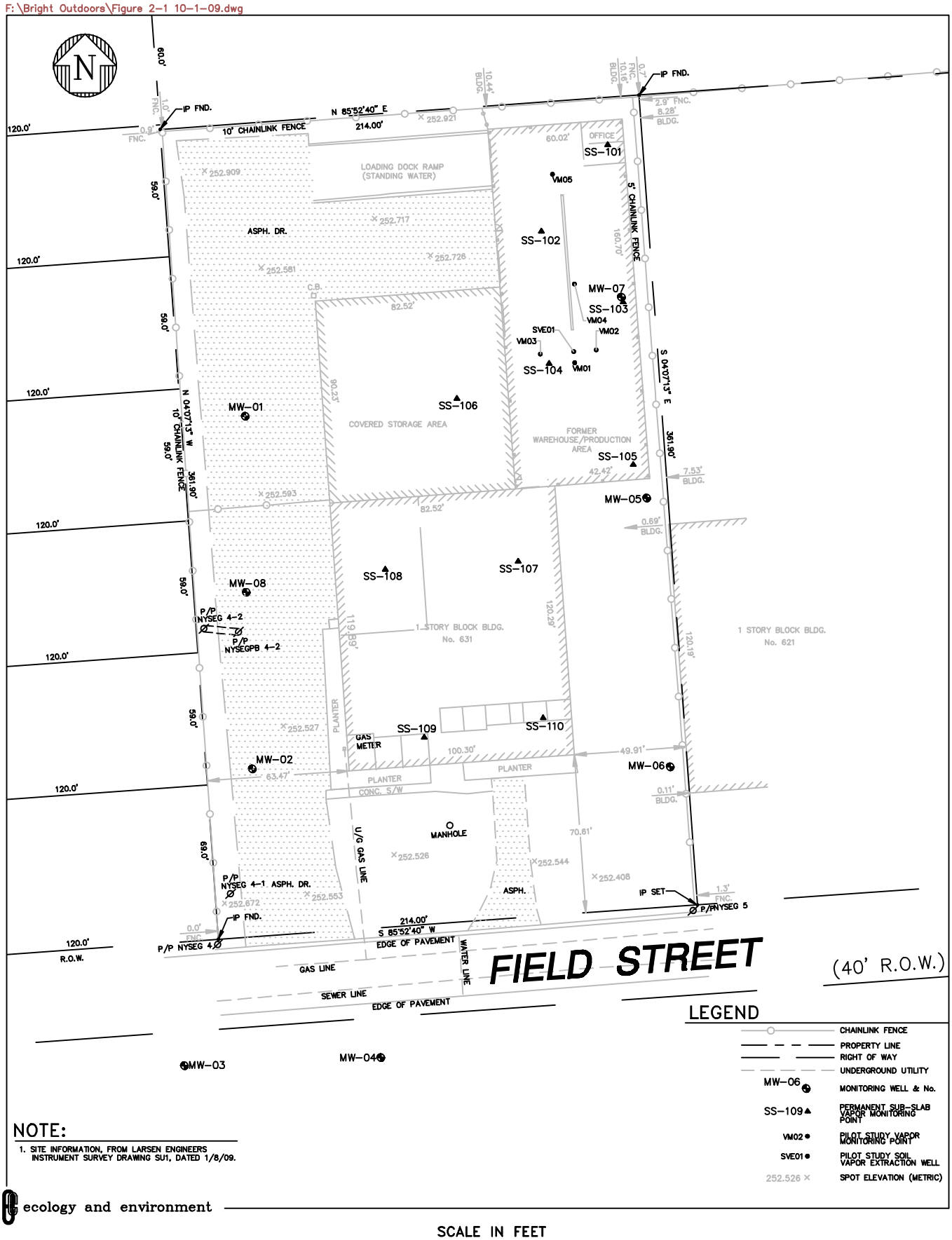

NOTE:

1. SITE INFORMATION, FROM LARSEN ENGINEERS INSTRUMENT SURVEY DRAWING SU1, DATED 1/8/09.

ecology and environment

SCALE IN FEET

0 60 120 180

FIGURE 2-1
PERMANENT SOIL VAPOR PROBE LOCATIONS
FORMER BRIGHT OUTDOORS SITE
BROOME COUNTY, NEW YORK

3 Results

3.1 Site Hydrogeology

Groundwater elevations were measured at MW-01 through MW-08 on August 27, 2008. Table 2-1 presents the groundwater elevation measurements, and Figure 3-1 presents interpreted elevation contour lines based on these measurements. Groundwater flow has a low horizontal gradient (maximum 0.01 foot/foot), and flow direction is from the east to the west and southwest.

3.2 Groundwater Chemistry

A summary of positive analytical groundwater results is provided in Table 3-1. Groundwater samples from all eight monitoring wells contained TCA. Concentrations of TCA exceeded the NYSDEC Class GA of 5 µg/L in five wells (MW-01, MW-02, MW-05, MW-06, and MW-08), with a maximum of 52.0 µg/L detected at MW-05. Seven of the eight monitoring wells contained TCE. TCE was detected above its Class GA standard of 5 µg/L in four wells (MW-02, MW-05, MW-06, and MW-08) with a maximum of 19.0 µg/L detected in MW-08. 1,1-Dichloroethene was detected at three of the eight monitoring wells (MW-02, MW-05, and MW-06). The concentration of 1,1-dichloroethene exceeded the 5 µg/L Class GA standard only at MW-05 (8.2 µg/L).

The most recent groundwater sampling prior to this supplemental investigation was conducted as part of the December 2008 PDI. In general, where higher concentrations of TCA were detected in 2008, the concentrations increased for the August 2009 sampling event. TCE concentrations remained relatively the same. Table 3-2 provides a comparison of positive analytical results for groundwater concentrations from 2004 to 2009. The maximum TCA concentration detected in 2004 and 2008 was 270 µg/L and 30.9 µg/L, respectively, in MW-05, which is on the east side of the site. In 2009, the TCA concentration in this well was 50 µg/L. The maximum concentration of TCE detected in 2004 was 260 µg/L in a groundwater grab sample collected on the west side of the site (location BH-08). In 2008, the TCE concentration in this area (MW-08) was 13.7 µg/L. In 2009, the TCE concentration in MW-08 was 19 µg/L, which was also the maximum TCE concentration for this sampling round.

3.3 Sub-slab Soil Vapor Results

Ten soil vapor samples were collected from the sub-slab within the building and storage area for VOC analysis. A summary of the positive analytical results for these sub-slab samples is presented in Table 3-3. TCA was detected in all 10 samples. Concentrations for TCA ranged from 3.4 to 23,000 µg/m^3. The five highest concentrations of TCA were detected from sampling locations within the former warehouse/production area: FBO-SS-101 (4,700 µg/m^3), FBO-SS-102 (23,000 µg/m^3), FBO-SS-103 (3,500 µg/m^3), FBO-SS-104 (4,100 µg/m^3), and FBO-SS-105 (11,000 µg/m^3). The concentrations of TCA in the office area ranged from an estimated 9.5 to 860 µg/m^3.

Table 3-1 Summary of Positive Analytical Results for Groundwater Samples, Former Bright Outdoors Site, Johnson City, NY

Analyte	Screening Criteria [1]	Sample ID:	FBO-MW-01	FBO-MW-02	FBO-MW-03	FBO-MW-04	FBO-MW-05	FBO-MW-05/Q	FBO-MW-06	FBO-MW-07	FBO-MW-08
		Date:	08/27/09	08/27/09	08/27/09	08/27/09	08/27/09	08/27/09	08/27/09	08/27/09	08/27/09
Volatile Organic Compounds by Method 8260B (µg/L)											
1,1,1-Trichloroethane	5		**6.7**	**7.3**	3.7	2.3	**50**	**52**	**20**	1 J	**5.3**
1,1-Dichloroethane	5		1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 J	1 U	1 U	**8.2**	**8.1**	3.6	1 U	1 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U
Chloroethane	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 J	2 U
Chloromethane	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 J	2 U
Trichloroethene	5		1.7	**5.9**	3	3.2	**16**	**14**	**11**	1 U	**19**

Notes:

Shaded cells exceed the screening value.

Field duplicate of FBO-MW-05

(1) New York State Department of Environmental Conservation, Technical and Operational Guidance Series Memo #1.1.1:*Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations,* 1998 (with updates), Class GA water.

Key:

J = Estimated value.

U = Not detected at the reported value.

µg/L = Micrograms per liter.

Source: Ecology and Environment, Inc., 2000

Table 3-2 Comparison of Positive Analytical Results for Groundwater Samples
Former Bright Outdoors Site

Volatile Organics (µg/L):	TCA			TCE			DCE		
	Jul-2004	Dec-2008	Aug-2009	Jul-2004	Dec-2008	Aug-2009	Jul-2004	Dec-2008	Aug-2009
MW-01	9 J	8.3 J	6.7	9 J	1.2	1.7	ND	ND	ND
MW-02	16	4.6 J	7.3	11	7.4	5.9	ND	ND	1J
MW-03	ND	2.0 J	3.7	1 J	2.4	3.0	ND	ND	ND
MW-04	3 J	1.7 J	2.3	3 J	3.4	3.2	ND	ND	ND
MW-05	270	30.9 J	50	28	13.9	16	43	7.4	8.2
MW-06	43	15.4 J	20	11	11.4	11	6 J	4.1	3.6
MW-07[a]	--	3.9 J	1J	--	1.3	ND	--	ND	ND
BH-08 / MW-08[a]	3 J	3.9 J	5.3	260	13.7	19	ND	ND	ND

Note: All results are reported in micrograms per liter (µg/L).

[a] = MW-07 and MW-08 were not installed until Dec-2008; BH-08 was a groundwater grab sample collected in June 2004 from the same location as MW-08.

Key:

DCE = 1,1-Dichloroethene
J = estimated value
ND = not detected
TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene

Table 3-3 Summary of Positive Analytical Results for Sub-slab Soil Vapor Samples, Former Bright Outdoors Site

Analyte / Sample ID: / Date:	FBO-SS-101 8/27/09	FB0-SS-102 8/27/09	FBO-SS-103 8/27/09	FBO-SS-104 8/27/09	FBO-SS-105 8/27/09	FBO-SS-106 8/27/09	FBO-SS-107 8/27/09
VOCs in Air (µg/m³)							
1,1,1-Trichloroethane	4700	23000	3500	4100	11000	3.4	860
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.77 U	7.7 U	2.4	6.7	7.7 U	0.77 U	0.61
1,1-Dichloroethane	0.4 U	75	43	6.8	28	0.4 U	4.7
1,1-Dichloroethylene	0.56	4 U	0.54	0.4 U	27	0.4 U	0.4
1,2,4-Trimethylbenzene	0.51	4.9 U	1.5	1.7	4.9 U	1.1	5.5
1,3,5-Trimethylbenzene	0.49 U	4.9 U	0.51	0.58	4.9 U	0.59	2.7
1,4-Dichlorobenzene	0.6 U	6 U	0.6 U	0.6 U	6 U	0.6 U	0.27 U
2-Butanone (MEK)	3.4	5.9 U	5.7	13	11	7.4	22
2-Hexanone (MBK)	0.82	4.1 U	1.5	1.8	4.1 U	1.8	6.8
4-Ethyltoluene	0.49 U	4.9 U	0.49 U	0.49 U	4.9 U	0.49 U	1.1
4-Methyl-2-pentanone (MIBK)	0.93	4.1 U	48	6.1	4.1 U	1.2	20
Acetone	20	9.5 U	24	46	29	23	89 J
Benzene	0.61	3.2 U	1.9	1.4	3.2 U	1.5	4.6
Bromodichloromethane	0.67 U	6.7 U	0.91	1	6.7 U	0.67 U	0.6
Bromoform	1 U	10 U	1 U	1 U	10 U	1 U	0.65
Carbon Disulfide	1.5	3.1 U	6.7	8.2	6.7	4.1	13
Carbon Tetrachloride	0.63 U	6.3 U	0.63 U	0.63 U	6.3 U	0.63 U	0.28 U
Chloroform	0.64	4.9 U	1.5	8.8	5.6	0.49 U	1.8
Chloromethane	0.21 U	2.1 U	0.24	0.21 U	2.1 U	0.22	0.18
Cyclohexane	0.34 U	3.4 U	0.87	0.76	3.4 U	0.98	2.2
Dibromochloromethane	0.85 U	8.5 U	0.85 U	0.85 U	8.5 U	0.85 U	0.61
Dichlorodifluoromethane (Freon 12)	2.9	4.9 U	2.3	3.3	4.9 U	2.1	3
Ethanol	2.7	7.5 U	3.3	4.8	7.5 U	2.4	5.5
Ethyl Acetate	0.36 U	3.6 U	0.76	0.36 U	3.6 U	0.36 U	0.16 U
Ethylbenzene	0.43 U	4.3 U	0.74	0.57	4.3 U	0.65	2
Heptane	0.41 U	4.1 U	1.7	0.85	4.1 U	2.7	8.3
Hexane	0.58	3.5 U	1.8	1	3.5 U	2.3	6
Isopropanol	1.6	4.9 U	1.5	2.5	4.9 U	0.93	2.3
m&p-Xylene	0.87 U	8.7 U	2.8	1.9	8.7 U	2.6	12
o-Xylene	0.43 U	4.3 U	1.1	0.93	4.3 U	0.85	3.7
Styrene	0.43 U	4.3 U	0.43 U	0.43 U	4.3 U	0.43 U	0.4
Tetrachloroethylene	2.3	6.8 U	7.4	1.1	260	0.68 U	1.7
Tetrahydrofuran	0.29 U	2.9 U	0.29 U	0.29 U	2.9 U	0.29 U	2.9
Toluene	0.84	3.8 U	4	2.7	3.8 U	3.1	12
Trichloroethylene	96	5.4 U	1.5	5.8	15	110	3.8
Trichlorofluoromethane (Freon 11)	30	7.3	12	19	5.6 U	1.1	2.9

Table 3-3 Summary of Positive Analytical Results for Sub-slab Soil Vapor Samples, Former Bright Outdoors Site

Analyte	Sample ID: / Date:	FBO-SS-108 8/27/09	FBO-SS-109 8/27/09	FBO-SS-109/Q 8/27/09	FBO-SS-110 8/27/09
VOCs in Air (µg/m³)					
1,1,1-Trichloroethane		35	9.5 J	3.4 J	11
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.58	0.56 J	0.52 J	0.58
1,1-Dichloroethane		2.8	0.18 U	0.18 U	0.18 U
1,1-Dichloroethylene		0.18 U	0.18 U	0.18 U	0.18 U
1,2,4-Trimethylbenzene		2.3	1.7	2.4	0.97
1,3,5-Trimethylbenzene		0.94	0.65 J	0.74 J	0.26
1,4-Dichlorobenzene		0.27 U	0.27 U	1.5	0.27 U
2-Butanone (MEK)		8.7	7.5 J	7.7 J	6.2
2-Hexanone (MBK)		1.2	1.7 J	0.88 J	1.3
4-Ethyltoluene		0.53	0.27 J	0.48 J	0.22 U
4-Methyl-2-pentanone (MIBK)		38	29 J	11 J	32
Acetone		49	23	47	22
Benzene		3.3	0.74 J	0.98 J	0.31
Bromodichloromethane		0.65	0.49	0.3 U	0.3 U
Bromoform		0.46 U	0.8	0.46 U	0.46 U
Carbon Disulfide		8.6	1.4	0.61	1.4
Carbon Tetrachloride		0.28 U	0.28 U	0.33	0.28 U
Chloroform		1.3	0.41 J	0.3 J	0.22 U
Chloromethane		0.12	0.19 J	0.75 J	0.093 U
Cyclohexane		1.9	0.51 J	0.96 J	0.15 U
Dibromochloromethane		0.59	0.84	0.38 U	0.38 U
Dichlorodifluoromethane (Freon 12)		2.4	13 J	14 J	100
Ethanol		2.4	4.1 J	9.5 J	1.5 J
Ethyl Acetate		0.16 U	0.42	1.4	0.16 U
Ethylbenzene		1.3	0.37	1.2	0.34
Heptane		3.1	1.5 J	1.2 J	0.38
Hexane		4.7	1.5 J	1.9 J	0.47
Isopropanol		2	1.8 J	3.4 J	1.1
m&p-Xylene		4.2	2.2 J	4.9 J	1.4
o-Xylene		1.9	0.77	1.7	0.5
Styrene		0.36	0.19 U	0.42	0.19 U
Tetrachloroethylene		0.49	1.7 J	0.58 J	3.7
Tetrahydrofuran		0.57	0.45	0.46	0.69 J
Toluene		6.4	2.6 J	6.1 J	1.1
Trichloroethylene		3.6	0.36 J	1.2 J	0.5
Trichlorofluoromethane (Freon 11)		7.9	1.5 J	1.5 J	1.9

Key:

J = Estimated value.

U = Non detected.

mg/L = Milligrams per liter.

µg/L = Micrograms per liter.

F:\Bright Outdoors\Figure 3-1 10-1-09.dwg

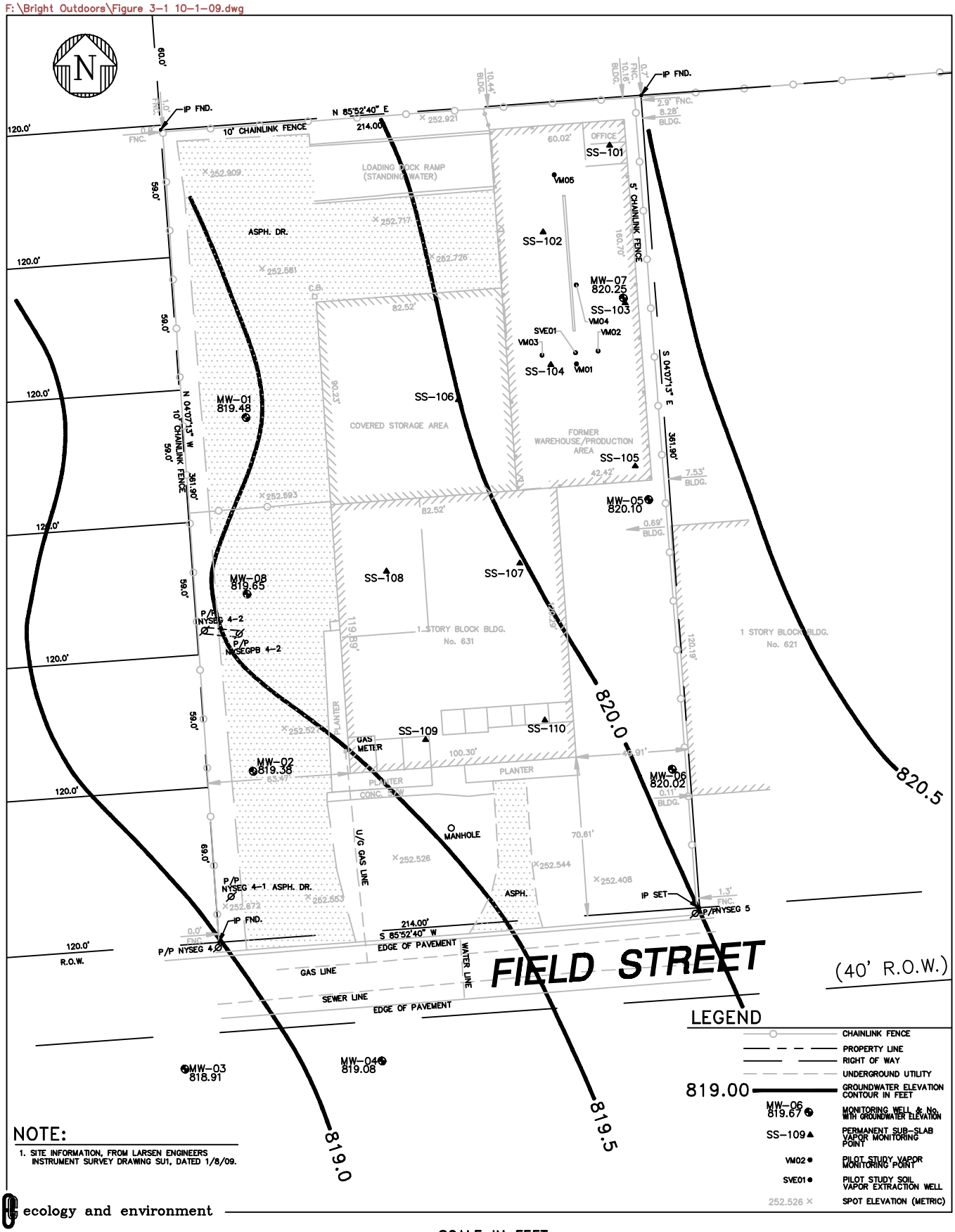

FIGURE 3-1
GROUNDWATER ELEVATION CONTOURS
FORMER BRIGHT OUTDOORS SITE
BROOME COUNTY, NEW YORK

4 Conclusions

Based on the results of the supplemental investigation, the following conclusions were made:

- Groundwater flow direction was observed to be from east to west, and the continued presence of VOCs in groundwater on the eastern property boundary continues to suggest an off-site source of groundwater contamination.

- Contaminants of concern in groundwater generally decreased in concentration between 2004 and 2009. TCA showed a slight increase in concentration between 2008 and 2009, but TCA concentrations overall remain lower than in 2004. TCE concentrations also decreased between 2004 and 2009. However, TCE concentrations remained relatively stable from 2008 to 2009. DCE concentrations are generally below the Class GA groundwater standard of 5 µg/L except at one location (MW-05 on the eastern site boundary).

- Ten sub-slab soil vapor samples were collected throughout the site. The analytical results for the samples show that TCA concentrations are the highest in the warehouse/production area of the site. TCA concentrations in this area ranged from 3,500 to 23,000 $\mu g/m^3$. Concentrations in other areas of the site remain relatively low in comparison to the warehouse area. The maximum concentration of TCA in the office area was 860 $\mu g/m^3$.

Based on the data collected during the supplemental investigation, long-term groundwater monitoring should be implemented due to the continued presence of chlorinated VOCs in groundwater. In addition, long-term monitoring of sub-slab vapor should be implemented following construction of the remedial system at the site.

5 References

Ecology and Environment Engineering, P.C. (EEEPC). 2008. Project Management Work Plan – Remedial Design, Former Bright Outdoors, NYSDEC Site No. 7-04-023. Letter from Thomas Heins, P.E., to Ms. Karen Quinn, New York State Department of Environmental Conservation, dated September 24, 2008.

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_____. 2009. *Pre-Design Investigation Report for the Former Bright Outdoors Site, Johnson City, New York.* Prepared for the New York State Department of Environmental Conservation.

New York State Department of Environmental Conservation (NYSDEC). 1999. *Guidance for the Development of Quality Assurance Plans and Data Usability Summary Reports.*

_____. 1998 (with updates). *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*. Division of Water, Technical and Operational Guidance Series Memorandum 1.1.1, Albany, New York.

U.S. Environmental Protection Agency (EPA). 1999. *EPA CLP National Functional Guidelines for Organic Data Review, EPA 540/R-99-008.*

A Well Purge and Sample Records

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Former Bright Outdoors Well ID: MW-01
EEEPC Project No.: 2700.DC21.02 Date: 8/27/09

Initial Depth to Water: 8.98 feet TOIC Start Time: 1135
Total Well Depth: 47.48 feet TOIC End Time: 1206
Depth to Pump: 20 feet TOIC ☐ Bailer ☒ Pump
Initial Pump Rate: 4 (Lpm) / gpm Pump Type: 12-V Typhoon
adjusted to: slow at sampling minutes Well Diameter: 2 inches
adjusted to: _____ at _____ minutes 1x Well Volume: 6.2 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1135	0	5.74	17.3	—	2644	—	71.8	-
1140	4	5.61	13.9	—	962.8	—	146	9.3
1145	8	5.85	13.5	—	1913	—	19.1	9.3
1149	12	6.12	13.2	—	1924	—	10.7	9.3
1152	16	6.25	13.2	—	1929	—	6.05	9.3
1155	20	6.34	13.3	—	1930	—	3.71	—
Final Sample Data:								

Sample ID: FBO-MW-01 Duplicate? ☐ Dupe Samp ID: N/A
Sample Time: 1159 MS/MSD? ☒

Analyses: / Methods:
☒ VOCs / ☐ CLP
☐ SVOCs / ☒ SW846
☐ PCBs / ☐ Drink. Wtr.
☐ Metals / ☐ _____
☐ _____ / ☐ _____

Comments: _____

Sampler(s): RWatt, MFronckowiak

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Former Bright Outdoors — Well ID: MW-02
EEEPC Project No.: 2700.DC21.002 — Date: 8/27/09

Initial Depth to Water: 8.81 feet TOIC — Start Time: 1320
Total Well Depth: 44.58 feet TOIC — End Time: 1405
Depth to Pump: 22 feet TOIC — ☐ Bailer ☒ Pump
Initial Pump Rate: 3 (Lpm) / gpm — Pump Type: 12 V Typhoon
adjusted to: slow at sampling minutes — Well Diameter: 2 inches
adjusted to: _____ at _____ minutes — 1x Well Volume: 5.7 gallons $\pi r^2 h$

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1338	0	6.59	17.0	—	1571	—	48.3	—
1343	4	6.68	15.0	—	1615	—	162	8.98
1346	8	6.72	14.3	—	1616	—	68.4	8.98
1350	12	6.75	14.0	—	1618	—	26.0	8.98
1355	16	6.81	14.0	—	1619	—	11.4	8.98
1359	20	6.82	13.9	—	1621	—	6.46	8.98
Final Sample Data:								

Sample ID: FBO-MW-02 — Duplicate? ☐ — Dupe Samp ID: N/A
Sample Time: 1402 — MS/MSD? ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☒ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☐ _____
☐ _____	☐ _____

Comments: _____

Sampler(s): RNath, MFronckowiak

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Former Bright Outdoors — Well ID: MW-03
EEEPC Project No.: 2700.DC21.02 — Date: 8/27/09

Initial Depth to Water: 8.80 feet TOIC — Start Time: 1521
Total Well Depth: 48.60 feet TOIC — End Time: 1559
Depth to Pump: 22 feet TOIC — ☐ Bailer ☒ Pump
Initial Pump Rate: 3 (Lpm) / gpm — Pump Type: 12V Typhoon
adjusted to: slow at sampling minutes — Well Diameter: 2 inches
adjusted to: _____ at _____ minutes — 1x Well Volume: 6.37 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1529	0	7.10	16.3	–	663.5	–	38.6	–
1533	4	6.96	15.0	–	1242	–	62.8	8.93
1539	8	6.99	14.7	–	1498	–	8.87	8.91
1543	12	7.01	14.5	–	1549	–	4.01	8.92
1548	16	7.05	14.4	–	1566	–	2.07	8.92
1552	20	7.03	14.1	–	1577	–	1.65	8.84
Final Sample Data:								

Sample ID: FBO-MW-03 — Duplicate? ☐ — Dupe Samp ID: N/A
Sample Time: 1554 — MS/MSD? ☐

Analyses: — Methods:
☒ VOCs — ☐ CLP
☐ SVOCs — ☒ SW846
☐ PCBs — ☐ Drink. Wtr.
☐ Metals — ☐ _____
☐ _____ — ☐ _____

Comments: _____

Sampler(s): RWatt, MFronckowiak

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Former Bright Outdoors Well ID: MW-04
EEEPC Project No.: 2700.DC21.02 Date: 8/27/09

Initial Depth to Water: 8.30 feet TOIC Start Time: 1425
Total Well Depth: 46.58 feet TOIC End Time: 1521
Depth to Pump: 22 feet TOIC ☐ Bailer ☒ Pump
Initial Pump Rate: 3 (Lpm) / gpm Pump Type: 12 V Typhoon
adjusted to: slow at sampling minutes Well Diameter: 2 inches
adjusted to: _____ at _____ minutes 1x Well Volume: 6.0 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1449	0	6.88	19.6	—	1467	—	84.6	—
1454	4	6.82	15.4	—	1540	—	515	8.54
1458	8	6.85	14.9	—	1550	—	46.2	8.54
1502	12	6.85	15.5	—	1549	—	23.9	8.54
1507	16	6.91	14.9	—	1552	—	13.2	8.54
1511	20	6.92	14.7	—	1557	—	10.9	8.52
Final Sample Data:								

Sample ID: FBO-MW-04 Duplicate? ☐ Dupe Samp ID: N/A
Sample Time: 1514 MS/MSD? ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☒ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☐ _____
☐ _____	☐ _____

Comments: _____

Sampler(s): RWatt, MFronckowiak

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Former Bright Outdoors — Well ID: MW-05
EEEPC Project No.: 2700.DC2P.02 — Date: 8/27/09

Initial Depth to Water: 8.12 feet TOIC — Start Time: 1635
Total Well Depth: 30.18 feet TOIC — End Time: 1700
Depth to Pump: 23.0 feet TOIC — ☐ Bailer ☒ Pump
Initial Pump Rate: 4 (Lpm) gpm — Pump Type: 12V Typhoon
adjusted to: slow at sampling minutes — Well Diameter: 2 inches
adjusted to: ____ at ____ minutes — 1x Well Volume: 3.53 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1638	0	6.96	15.7	—	1767	—	271	—
1640	2	6.91	13.9	—	1766	—	99.0	8.68
1642	4	6.86	13.8	—	1756	—	21.8	8.70
1643	6	6.84	13.9	—	1754	—	11.6	8.70
1646	8	6.83	13.9	—	1748	—	9.73	8.70
1648	10	6.82	13.8	—	1748	—	5.84	8.70
1650	12	6.81	14.0	—	1750	—	5.07	8.70
Final Sample Data:								

Sample ID: FBO-MW-05 — Duplicate? ☒ — Dupe Samp ID: FBO-MW-05/Q
Sample Time: 1653 — MS/MSD? ☐

Analyses: / Methods:
☒ VOCs — ☐ CLP
☐ SVOCs — ☒ SW846
☐ PCBs — ☐ Drink. Wtr.
☐ Metals — ☐ ____
☐ ____ — ☐ ____

Comments: Needs cementing.

Sampler(s): RWatt, MFronckowiak

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Former Bright Outdoors Well ID: MW-06
EEEPC Project No.: 2700.DC21.02 Date: 8/27/09

Initial Depth to Water: 8.08 feet TOIC Start Time: 1600
Total Well Depth: 27.04 feet TOIC End Time: 1630
Depth to Pump: 21 feet TOIC ☐ Bailer ☒ Pump
Initial Pump Rate: 3.5 (Lpm) / gpm Pump Type: 12V Typhoon
adjusted to: slow at sampling minutes Well Diameter: 2 inches
adjusted to: _____ at _____ minutes 1x Well Volume: 3.03 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1411	0	7.13	16.2	–	1535	–	227	–
1414	2	7.08	14.9	–	1565	–	265	9.50
1415	4	7.00	14.6	–	1577	–	226	9.60
1418	6	6.96	14.7	–	1579	–	82.4	9.60
1420	8	6.97	14.7	–	1580	–	169	9.60
1422	10	6.95	14.7	–	1588	–	113	9.60
Final Sample Data:								

Sample ID: FBO-MW-06 Duplicate? ☐ Dupe Samp ID: N/A
Sample Time: 1625 MS/MSD? ☐

Analyses: / Methods:
☒ VOCs / ☐ CLP
☐ SVOCs / ☒ SW846
☐ PCBs / ☐ Drink. Wtr.
☐ Metals / ☐ _____
☐ _____ / ☐ _____

Comments: _____

Sampler(s): RWatt, MFronckowiak

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Former Bright Outdoors
Well ID: MW-~~08~~-07MF
EEEPC Project No.: 2700.DC24.02
Date: 8/27/09

Initial Depth to Water: 8.64 feet TOIC
Total Well Depth: 21.92 feet TOIC
Depth to Pump: 20 feet TOIC
Initial Pump Rate: 3 (Lpm) / gpm
adjusted to: 0.5 L at sampling minutes
adjusted to: _____ at _____ minutes

Start Time: 0943
End Time: 0957
☐ Bailer ☒ Pump
Pump Type: 12.V Typhoon
Well Diameter: 2 inches
1x Well Volume: 2.1 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
0943	0	5.18	15.7		1007		>1000	9.4
0947	2.5	5.52	15.3		842.7		165	9.5
0949	4	5.65	15.2		828.5		79.0	9.5
0951	6	5.77	15.2		848.1		55.3	
0953	7.5	5.84	15.1		872.0		36.9	9.55
Final Sample Data:								

Sample ID: FBO-MW-~~08~~-07MF
Sample Time: 0955
Duplicate? ☐
MS/MSD? ☐
Dupe Samp ID: N/A

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☒ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☐ _____
☐ _____	☐ _____

Comments: _____

Sampler(s): RWatt, MFronckowiak

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Former Bright Outdoor — Well ID: MW-08
EEEPC Project No.: 002700-DC21.02 — Date: 8/27/2009

Initial Depth to Water: 8.75 feet TOIC — Start Time: 1220
Total Well Depth: 22.70 feet TOIC — End Time: 1255
Depth to Pump: 20 feet TOIC — ☐ Bailer ☒ Pump
Initial Pump Rate: 1.5 (Lpm) gpm — Pump Type: 12-V Typhoon
adjusted to: slow at sampling minutes — Well Diameter: 2 inches
adjusted to: _____ at _____ minutes — 1x Well Volume: 2.2 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1223	0	6.93	15.4	–	1537	–	39.1	–
1226	2	6.79	15.1	–	1448	–	>1000	10.8
1231	4	6.67	15.4	–	1516	–	605	11.0
1236	6	6.64	15.2	–	1523	–	178	11.3
1239	8	6.62	15.2	–	1558	–	59.4	11.0
1242	10	6.61	15.0	–	1575	–	21.1	11.05
Final Sample Data:								

Sample ID: FBO-MW-08 — Duplicate? ☐ — Dupe Samp ID: N/A
Sample Time: 1244 — MS/MSD? ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☒ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☐ _____
☐ _____	☐ _____

Comments: _____

Sampler(s): RWath, MFronckowiak

B Permanent Soil Vapor Sample Records

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Permanent Soil Vapor Implant Sampling Data Collection Form

Site Name: Former Bright Outdoors	Project No.: 002700.DC21.02

Sample Location Information

Project Task:

Sampler Names (Print): RWatt, MFronckowiak

Organic Vapor Meter Used: ☒ PID ☐ FID Model: miniRAE2000

Sample ID		FBO-SS-101	FBO-SS-102	FBO-SS-103	FBO-SS-104	FBO-SS-105	FBO-SS-106	FBO-SS-107
Canister No.		1828	1279	1160	1785	1315	1723	1017
Regulator No.		3259	3235	3049	3120	3292	3162	3220
Duration (hours)		8	8	8	8	8	8	8
Start	Date	8/27/09	8/27/09	8/27/09	8/27/09	8/27/09	8/27/09	8/27/09
	Time	0825	0829	0833	0836	0840	0845	0851
	Pressure	-30	-30	-29	-30	-29.5	-30	-30
End	Date	8/27/09	8/27/09	8/27/09	8/27/09	8/27/09	8/27/09	8/27/09
	Time	1714	1716	1718	1719	1720	1721	1722
	Pressure	-13	-4	-8	-6	-6	-5	-9
Quality Control								
OVM ~~(ppb)~~ (ppm) MF		17.6	11.5	13.7	13.4	17.5	6.0	9.1
Analysis Method		TO-15	—	—	—	—	—	→

Laboratory: ConTest	Date Shipped to Lab: 8/27/09

Associated Trip Blank Sample ID: N/A

Comments:

Key: FID = flame-ionization detector
OVM = organic vapor meter
PID = photo-ionization detector
ppb = parts per billion
Pressure measured in inches of mercury, gauge (in Hg)

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Permanent Soil Vapor Implant Sampling Data Collection Form

Site Name: Former Bright Outdoors	Project No.: 002700.DC21.02

Sample Location Information

Project Task:

Sampler Names (Print): RWatt, MFronckowiak

Organic Vapor Meter Used: [X] PID [ ] FID Model: mini RAE 2000

Sample ID		FBO-SS-108	FBO-SS-109	FBO-SS-110	FBO-SS-109/Q			
Canister No.		1318	1739	1032	1298			
Regulator No.		3297	3199	3157	3155			
Duration (hours)		8	8	8	8			
Start	Date	8/27/09	8/27/09	8/27/09	8/27/09			
	Time	0921	0925	0931	0925			
	Pressure	-29.5	-30	-30	-29			
End	Date	8/27/09	8/27/09	8/27/09	8/27/09			
	Time	1723	1726	1725	1726			
	Pressure	-7	-7	-9	-2			
Quality Control					dupe			
OVM ~~(ppb)~~ ME (ppm)		24.6	25.2	28.1	25.2			
Analysis Method		TO-15	→	→	→			

Laboratory: ConTest	Date Shipped to Lab: 8/27/09
Associated Trip Blank Sample ID: N/A	
Comments:	

Key: FID = flame-ionization detector
OVM = organic vapor meter
PID = photo-ionization detector
ppb = parts per billion
Pressure measured in inches of mercury, gauge (in Hg)

C Data Usability Summary Reports (DUSRs) and Laboratory Data

Note: Laboratory data reports are available in the electronic version of this report.

Data Usability Summary Report	Project: Former Bright Outdoors
Date Completed: September 28, 2009	Completed by: BKroon

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per NYSDEC Division of Environmental Remediation Guidance for the Development of DUSRs (June 1999). Specific criteria for QC limits were obtained from the project QAPP. Compliance with the project QA program is indicated on the in the checklist and tables. Any major or minor concerns affected data usability are summarized listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

ProjectID	Lab Work Order
Former Bright Outdoors	09H0663

Table 1 Sample Summary Tables from Electronic Data Deliverable

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
09H0663	Sub Slab	FBO-SS-101	09H0663-01	8/27/2009			None
09H0663	Sub Slab	FB0-SS-102	09H0663-02	8/27/2009			None
09H0663	Sub Slab	FBO-SS-103	09H0663-03	8/27/2009			None
09H0663	Sub Slab	FBO-SS-104	09H0663-04	8/27/2009			None
09H0663	Sub Slab	FBO-SS-105	09H0663-05	8/27/2009			None
09H0663	Sub Slab	FBO-SS-106	09H0663-06	8/27/2009			None
09H0663	Sub Slab	FBO-SS-107	09H0663-07	8/27/2009			None
09H0663	Sub Slab	FBO-SS-108	09H0663-08	8/27/2009			None
09H0663	Sub Slab	FBO-SS-109	09H0663-09	8/27/2009			None
09H0663	Sub Slab	FBO-SS-109/Q	09H0663-10	8/27/2009			None
09H0663	Sub Slab	FBO-SS-110	09H0663-11	8/27/2009			None

Work Orders, Tests and Number of Samples included in this DUSR

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
09H0663	Sub Slab	TO-15	Air Toxics by EPA Compendium Methods	11	SAMP

Data Usability Summary Report	Project: Former Bright Outdoors
Date Completed: September 28, 2009	Completed by: BKroon

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	Yes – Field duplicate included (FBO-SS-109/Q); trip/equipment blank not required.
All ASP Forms complete?	Not included – information included on lab forms
Case narrative present and complete?	Yes
Any holding time violations?	No - All samples were prepared and analyzed within holding times.

The following tables are presented at the end of this DUSR and provided summaries of results outside QC criteria.

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD Outside Limits (Table 4)
- LCS Outside Limits (Table 5)
- Re-analysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to Tables List

Volatile Organics by GCMS	
Description	**Notes and Qualifiers**
Any compounds present in method, trip and field blanks (see Table 2)?	No
For samples, if results are <5 times the blank or < 10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs.	Not Applicable
Surrogate for method blanks and LCS within limits?	Yes
Surrogate for samples and MS/MSD within limits? (See Table 3). All samples should be re-analyzed for VOCs. Matrix effects should be established.	Yes
Laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes – Lab Duplicate run instead of MS/MSD.
MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then J flag positive data in original sample due to matrix?	No – RPDs for Ethanol and Tetrahydrofuran were above limit, positive sample results qualified "J" in Batch B004395,
LCS within QC criteria (see Table 5)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes
Do internal standards areas and retention time meet criteria? If not was sample re-analyzed to establish matrix (see Table 6)?	Yes
Is initial calibration for target compounds <15 %RSD or curve fit?	Yes

Data Usability Summary Report	Project: Former Bright Outdoors
Date Completed: September 28, 2009	Completed by: BKroon

Volatile Organics by GCMS	
Description	**Notes and Qualifiers**
Is continuing calibration for target compounds < 20.5%D.	NA
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes – FBO-SS-102, FBO-SS-103, FBO-SS-104, FBO-SS-105,
For TICs are there any system related compounds that should not be reported?	Not Applicable
Do field duplicate results show good precision for all compounds except TICs (see Table 7)?	No – Several compounds qualified "J" based on field duplicate RPDs.

Summary of Potential Impacts on Data Usability
Major Concerns
None
Minor Concerns
Ethanol and tetrahydrofuran results qualified as estimated "J" based on lab duplicate RPD values, several compounds qualified "J" based on field duplicate RPD values.

Table 2 - List of Positive Results for Blank Samples
None

Table 2A - List of Samples Qualified for Method Blank Contamination
None

Table 2B - List of Samples Qualified for Field Blank Contamination
None

Table 3 - List of Samples with Surrogates outside Control Limits
None

Table 4 - List MS/MSD Recoveries and RPDs outside Control Limits

Method	Sample ID	Sample Type	Analyte	RPD	RPD Limit	Sample Qual.
TO-15	09H0663-11	Duplicate	Ethanol	49	25	J Flag
TO-15	09H0663-11	Duplicate	Tetrahydrofuran	54	25	J Flag

Table 5 - List LCS Recoveries outside Control Limits
None

Table 6 –Samples that were Reanalyzed

Sample ID	Lab ID	Method	Sample Type	Action
FBO-SS-102	09H0663-02	TO-15	DL	
FBO-SS-103	09H0663-03	TO-15	DL	
FBO-SS-104	09H0663-04	TO-15	DL	
FBO-SS-105	09H0663-05	TO-15	DL	
FBO-SS-107	09H0663-07	TO-15	DL	

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Anal Type	PQL	FBO-SS-109	FBO-SS-109/Q	Absolute Difference	Rating	Samp Qual
TO-15	1,1,1-Trichloroethane	ug/m3	A	0.045	9.5	0.96	163.29	Poor	J
TO-15	1,2,4-Trimethylbenzene	ug/m3	A	0.045	0.56	0.49	13.33	Good	None
TO-15	1,3,5-Trimethylbenzene	ug/m3	A	0.045	14	0.15	195.76	Poor	J
TO-15	2-Butanone	ug/m3	A	0.09	2.4	9.5	119.33	Poor	J
TO-15	2-Hexanone	ug/m3	A	0.045	1.7	0.42	120.75	Poor	J
TO-15	4-Ethyltoluene	ug/m3	A	0.045	0.65	1.4	73.17	Poor	J
TO-15	4-Methyl-2-pentanone	ug/m3	A	0.045	0.74	0.37	66.67	Poor	J
TO-15	Acetone	ug/m3	A	0.18	1.5	1.2	22.22	Good	None
TO-15	Benzene	ug/m3	A	0.045	7.7	1.2	146.07	Poor	J
TO-15	Carbon Disulfide	ug/m3	A	0.045	1.7	1.5	12.50	Good	None
TO-15	Chloroform	ug/m3	A	0.045	0.48	1.5	103.03	Poor	J
TO-15	Chloromethane	ug/m3	A	0.045	0.27	3.4	170.57	Poor	J
TO-15	Cyclohexane	ug/m3	A	0.045	29	1.8	176.62	Poor	J
TO-15	Dichlorodifluoromethane	ug/m3	A	0.045	23	4.9	129.75	Poor	J
TO-15	Ethanol	ug/m3	A	0.18	47	2.2	182.11	Poor	J
TO-15	Ethyl Acetate	ug/m3	A	0.045	0.74	0.63	16.06	Good	None
TO-15	Ethylbenzene	ug/m3	A	0.045	0.98	0.77	24.00	Good	None

Data Usability Summary Report	Project: Former Bright Outdoors
Date Completed: September 28, 2009	Completed by: BKroon

Method	Analyte	Unit	Anal Type	PQL	FBO-SS-109	FBO-SS-109/Q	Absolute Difference	Rating	Samp Qual
TO-15	Freon 113	ug/m3	A	0.045	3.4	0.84	120.75	Poor	J
TO-15	Heptane	ug/m3	A	0.045	0.49	1.7	110.50	Poor	J
TO-15	Hexane	ug/m3	A	0.045	0.8	0.42	62.30	Poor	J
TO-15	Isopropanol	ug/m3	A	0.09	0.61	1.7	94.37	Poor	J
TO-15	m&p – Xylene	ug/m3	A	0.09	1.4	0.58	82.83	Poor	J
TO-15	o – Xylene	ug/m3	A	0.045	0.33	0.46	32.91	Good	None
TO-15	Tetrachloroethylene	ug/m3	A	0.045	0.3	6.1	181.25	Poor	J
TO-15	Tetrahydrofuran	ug/m3	A	0.045	0.41	0.36	12.99	Good	None
TO-15	Toluene	ug/m3	A	0.045	0.75	1.2	46.15	Poor	J
TO-15	Trichloroethylene	ug/m3	A	0.045	0.19	1.5	155.03	Poor	J
TO-15	Trichlorofluoromethane	ug/m3	A	0.045	0.51	1.5	98.51	Poor	J

Key:
A = Analyte
NC = Not Calculated
ND = Not Detected
PQL = Practical Quantitation Limit
RPD = Relative Percent Difference
T = Tentatively Identified Compound

Data Usability Summary Report	Project: Former Bright Outdoors
Date Completed: September 29, 2009	Completed by: BKroon

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per NYSDEC Division of Environmental Remediation Guidance for the Development of DUSRs (June 1999). Specific criteria for QC limits were obtained from the project QAPP. Compliance with the project QA program is indicated on the in the checklist and tables. Any major or minor concerns affected data usability are summarized listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

ProjectID	Lab Work Order
Former Bright Outdoors	09H0708

Table 1 Sample Summary Tables from Electronic Data Deliverable

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
09H0708	Ground Water	FBO-MW-01	09H0708-01	8/27/2009		Yes	None
09H0708	Ground Water	FBO-MW-02	09H0708-02	8/27/2009			None
09H0708	Ground Water	FBO-MW-03	09H0708-03	8/27/2009			None
09H0708	Ground Water	FBO-MW-04	09H0708-04	8/27/2009			None
09H0708	Ground Water	FBO-MW-05	09H0708-05	8/27/2009			None
09H0708	Ground Water	FBO-MW-05/Q	09H0708-06	8/27/2009			None
09H0708	Ground Water	FBO-MW-06	09H0708-07	8/27/2009			None
09H0708	Ground Water	FBO-MW-07	09H0708-08	8/27/2009			None
09H0708	Ground Water	FBO-MW-08	09H0708-09	8/27/2009			None
09H0708	Trip Blank Water	FBO-TB-20090827	09H0708-10	8/27/2009			None

Work Orders, Tests and Number of Samples included in this DUSR

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
09H0708	Ground Water	SW8260	Volatile Organic Compounds	10	SAMP

Data Usability Summary Report	Project: Former Bright Outdoors
Date Completed: September 29, 2009	Completed by: BKroon

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6^{o}C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	Yes – Field duplicate included (FBO-MW-05/Q); trip blank also included.
All ASP Forms complete?	Not included – information included on lab forms
Case narrative present and complete?	Yes
Any holding time violations?	No - All samples were prepared and analyzed within holding times.

The following tables are presented at the end of this DUSR and provided summaries of results outside QC criteria.

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD Outside Limits (Table 4)
- LCS Outside Limits (Table 5)
- Re-analysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to Tables List

Volatile Organics by GCMS	
Description	**Notes and Qualifiers**
Any compounds present in method, trip and field blanks (see Table 2)?	No
For samples, if results are <5 times the blank or < 10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs.	Not Applicable
Surrogate for method blanks and LCS within limits?	Yes
Surrogate for samples and MS/MSD within limits? (See Table 3). All samples should be re-analyzed for VOCs. Matrix effects should be established.	Yes
Laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes
MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then J flag positive data in original sample due to matrix?	No – Bromomethane, Chloromethane, Freon12, Hexachlorobutadiene, Methylene Chloride, Naphthalene, 1,2,4-Trichlorobenzene, and Vinyl Chloride were non compliant positive results qualified "J" in parent sample only.
LCS within QC criteria (see Table 5)? If out, and the recovery high with no positive values, then no data qualification is required.	No – Bromomethane, Hexachlorobutadiene, Methylene Chloride, 1,2,4-Trichlorobenzene were non compliant, flag positive results in all samples "J". Results were non-detect for compounds to be qualified; therefore, no qualification is necessary.

Data Usability Summary Report	Project: Former Bright Outdoors
Date Completed: September 29, 2009	Completed by: BKroon

Volatile Organics by GCMS	
Description	**Notes and Qualifiers**
Do internal standards areas and retention time meet criteria? If not was sample re-analyzed to establish matrix (see Table 6)?	NA
Is initial calibration for target compounds <15 %RSD or curve fit?	NA
Is continuing calibration for target compounds < 20.5%D.	NA
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	No
For TICs are there any system related compounds that should not be reported?	Not Applicable
Do field duplicate results show good precision for all compounds except TICs (see Table 7)?	Yes – Absolute difference <2xPQL.

Summary of Potential Impacts on Data Usability
Major Concerns
None
Minor Concerns
Acetone, 2-butanone, bromomethane, and chloromethane results for SVE-01-Z4 qualified as estimated and flagged "J" based on matrix spike/spike duplicate recoveries and RPD values.

Table 2 - List of Positive Results for Blank Samples
None

Table 2A - List of Samples Qualified for Method Blank Contamination
None

Table 2B - List of Samples Qualified for Field Blank Contamination
None

Table 3 - List of Samples with Surrogates outside Control Limits
None

Table 4 - List MS/MSD Recoveries and RPDs outside Control Limits

Method	Sample ID	Sample Type	Analyte	Orig. Result	Spike Amount	Recovery	Dil. Factor	Low Limit	High Limit	Sample Qualifier
SW8260	FBO-MW-01	MS	Bromomethane	ND	10	25	1	70	130	J Flag
SW8260	FBO-MW-01	MS	Chloromethane	ND	10	54.3	1	70	130	None
SW8260	FBO-MW-01	MS	Freon 12	ND	10	57.0	1	70	130	None
SW8260	FBO-MW-01	MS	Hexachlorobutadiene	ND	10	172	1	70	130	J Flag
SW8260	FBO-MW-01	MS	Methylene Chloride	ND	10	56.1	1	70	130	J Flag
SW8260	FBO-MW-01	MS	Naphthalene	ND	10	175	1	70	130	None
SW8260	FBO-MW-01	MS	1,2,4-Trichlorobenzene	ND	10	194	1	70	130	J Flag
SW8260	FBO-MW-01	MSD	Bromomethane	ND	10	43.0	1	70	130	J Flag
SW8260	FBO-MW-01	MSD	Chloromethane	ND	10	57.1	1	70	130	None
SW8260	FBO-MW-01	MSD	Freon 12	ND	10	58.2	1	70	130	None
SW8260	FBO-MW-01	MSD	Hexachlorobutadiene	ND	10	154	1	70	130	J Flag
SW8260	FBO-MW-01	MSD	Methylene Chloride	ND	10	60.3	1	70	130	J Flag
SW8260	FBO-MW-01	MSD	Naphthalene	ND	10	139	1	70	130	None
SW8260	FBO-MW-01	MSD	1,2,4-Trichlorobenzene	ND	10	179	1	70	130	J Flag

Method	Sample ID	Sample Type	Analyte	RPD	RPD Limit	Sample Qual.
SW8260	FBO-MW-01	MSD	Bromomethane	53	30	J Flag

Data Usability Summary Report	Project: Former Bright Outdoors
Date Completed: September 29, 2009	Completed by: BKroon

Table 5 - List LCS Recoveries outside Control Limits

Method	Sample ID	Analyte	Recovery	Low Limit	High Limit	No. of Samples Affected	Sample Qualifier
SW8260	LCS	Bromomethane	35.7	40	160	0	J Flag
SW8260	LCS	Hexachlorobutadiene	137	70	130	0	None
SW8260	LCS	Methylene Chloride	48.5	70	130	0	J Flag
SW8260	LCS	1,2,4-Trichlorobenzene	153	70	130	0	None

Table 6 –Samples that were Reanalyzed
None

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Anal Type	PQL	FBO-MW-05	FBO-MW-05/Q	RPD	Rating	Sample Qualifier
TO-15	1,1-Dichloroethylene	ug/L	A	1	8.2	8.1	1.23	Good	None
TO-15	Trichloroethylene	ug/L	A	1	16	14	13.33	Good	None
TO-15	1,1,1-Trichloroethane	ug/L	A	1	50	52	3.92	Good	None

Key:
A = Analyte
NC = Not Calculated
ND = Not Detected
PQL = Practical Quantitation Limit
RPD = Relative Percent Difference
T = Tentatively Identified Compound
ug/L = micrograms per liter

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September 3, 2009

Rich Watt
Ecology & Environment
368 Pleasant View Drive
Lancaster, NY 14086

Project Location: Bright Outdoors
Client Job Number:
Project Number: 002700.DC21.02
Laboratory Work Order Number: 09H0663

Enclosed are results of analyses for samples received by the laboratory on August 28, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

T. Timothy Kelley
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Ecology & Environment
368 Pleasant View Drive
Lancaster, NY 14086
ATTN: Rich Watt

REPORT DATE: 9/3/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 002700.DC21.02

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09H0663

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bright Outdoors

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FBO-SS-101	09H0663-01	Sub Slab		EPA TO-15	
FB0-SS-102	09H0663-02	Sub Slab		EPA TO-15	
FBO-SS-103	09H0663-03	Sub Slab		EPA TO-15	
FBO-SS-104	09H0663-04	Sub Slab		EPA TO-15	
FBO-SS-105	09H0663-05	Sub Slab		EPA TO-15	
FBO-SS-106	09H0663-06	Sub Slab		EPA TO-15	
FBO-SS-107	09H0663-07	Sub Slab		EPA TO-15	
FBO-SS-108	09H0663-08	Sub Slab		EPA TO-15	
FBO-SS-109	09H0663-09	Sub Slab		EPA TO-15	
FBO-SS-109/Q	09H0663-10	Sub Slab		EPA TO-15	
FBO-SS-110	09H0663-11	Sub Slab		EPA TO-15	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Acetone

09H0663-07[FBO-SS-107]

Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.

Analyte & Samples(s) Qualified:

Ethanol, Tetrahydrofuran

B004395-DUP1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Air Lab Director

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ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-101
Sample ID: 09H0663-01
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:14

Sample Description/Location:
Sub Description/Location:
Canister ID: 1828
Canister Size:
Flow Controller ID: 3259
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -13
Receipt Vacuum(in Hg): -13
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	8.4	0.40		20	0.95	2	9/1/09 20:18	WSD
Benzene	0.19	0.10		0.61	0.32	2	9/1/09 20:18	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	9/1/09 20:18	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	9/1/09 20:18	WSD
Bromoform	ND	0.10		ND	1.0	2	9/1/09 20:18	WSD
Bromomethane	ND	0.10		ND	0.39	2	9/1/09 20:18	WSD
1,3-Butadiene	ND	0.20		ND	0.44	2	9/1/09 20:18	WSD
2-Butanone (MEK)	1.1	0.20		3.4	0.59	2	9/1/09 20:18	WSD
Carbon Disulfide	0.47	0.10		1.5	0.31	2	9/1/09 20:18	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	9/1/09 20:18	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	9/1/09 20:18	WSD
Chloroethane	ND	0.10		ND	0.26	2	9/1/09 20:18	WSD
Chloroform	0.13	0.10		0.64	0.49	2	9/1/09 20:18	WSD
Chloromethane	ND	0.10		ND	0.21	2	9/1/09 20:18	WSD
Cyclohexane	ND	0.10		ND	0.34	2	9/1/09 20:18	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	9/1/09 20:18	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	9/1/09 20:18	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 20:18	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 20:18	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 20:18	WSD
Dichlorodifluoromethane (Freon 12)	0.59	0.10		2.9	0.49	2	9/1/09 20:18	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	9/1/09 20:18	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	9/1/09 20:18	WSD
1,1-Dichloroethylene	0.14	0.10		0.56	0.40	2	9/1/09 20:18	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	9/1/09 20:18	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	9/1/09 20:18	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	9/1/09 20:18	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	9/1/09 20:18	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	9/1/09 20:18	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	9/1/09 20:18	WSD
Ethanol	1.4	0.40		2.7	0.75	2	9/1/09 20:18	WSD
Ethyl Acetate	ND	0.10		ND	0.36	2	9/1/09 20:18	WSD
Ethylbenzene	ND	0.10		ND	0.43	2	9/1/09 20:18	WSD
4-Ethyltoluene	ND	0.10		ND	0.49	2	9/1/09 20:18	WSD
Heptane	ND	0.10		ND	0.41	2	9/1/09 20:18	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	9/1/09 20:18	WSD
Hexane	0.16	0.10		0.58	0.35	2	9/1/09 20:18	WSD
2-Hexanone (MBK)	0.20	0.10		0.82	0.41	2	9/1/09 20:18	WSD
Isopropanol	0.67	0.20		1.6	0.49	2	9/1/09 20:18	WSD

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ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-101
Sample ID: 09H0663-01
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:14

Sample Description/Location:
Sub Description/Location:
Canister ID: 1828
Canister Size:
Flow Controller ID: 3259
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -13
Receipt Vacuum(in Hg): -13
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	9/1/09 20:18	WSD
Methylene Chloride	ND	0.40		ND	1.4	2	9/1/09 20:18	WSD
4-Methyl-2-pentanone (MIBK)	0.23	0.10		0.93	0.41	2	9/1/09 20:18	WSD
Propene	ND	0.40		ND	0.69	2	9/1/09 20:18	WSD
Styrene	ND	0.10		ND	0.43	2	9/1/09 20:18	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	9/1/09 20:18	WSD
Tetrachloroethylene	0.33	0.10		2.3	0.68	2	9/1/09 20:18	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	9/1/09 20:18	WSD
Toluene	0.22	0.10		0.84	0.38	2	9/1/09 20:18	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	9/1/09 20:18	WSD
1,1,1-Trichloroethane	860	2.0		4700	11	40	9/1/09 11:45	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	9/1/09 20:18	WSD
Trichloroethylene	18	0.10		96	0.54	2	9/1/09 20:18	WSD
Trichlorofluoromethane (Freon 11)	5.4	0.10		30	0.56	2	9/1/09 20:18	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	9/1/09 20:18	WSD
1,2,4-Trimethylbenzene	0.10	0.10		0.51	0.49	2	9/1/09 20:18	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	9/1/09 20:18	WSD
Vinyl Acetate	ND	0.40		ND	1.4	2	9/1/09 20:18	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	9/1/09 20:18	WSD
m&p-Xylene	ND	0.20		ND	0.87	2	9/1/09 20:18	WSD
o-Xylene	ND	0.10		ND	0.43	2	9/1/09 20:18	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.4	70-130	9/1/09 11:45
4-Bromofluorobenzene (1)	97.4	70-130	9/1/09 20:18

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FB0-SS-102
Sample ID: 09H0663-02
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:16

Sample Description/Location:
Sub Description/Location:
Canister ID: 1279
Canister Size:
Flow Controller ID: 3235
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	4.0		ND	9.5	20	8/31/09 16:34	WSD
Benzene	ND	1.0		ND	3.2	20	8/31/09 16:34	WSD
Benzyl chloride	ND	1.0		ND	5.2	20	8/31/09 16:34	WSD
Bromodichloromethane	ND	1.0		ND	6.7	20	8/31/09 16:34	WSD
Bromoform	ND	1.0		ND	10	20	8/31/09 16:34	WSD
Bromomethane	ND	1.0		ND	3.9	20	8/31/09 16:34	WSD
1,3-Butadiene	ND	2.0		ND	4.4	20	8/31/09 16:34	WSD
2-Butanone (MEK)	ND	2.0		ND	5.9	20	8/31/09 16:34	WSD
Carbon Disulfide	ND	1.0		ND	3.1	20	8/31/09 16:34	WSD
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/31/09 16:34	WSD
Chlorobenzene	ND	1.0		ND	4.6	20	8/31/09 16:34	WSD
Chloroethane	ND	1.0		ND	2.6	20	8/31/09 16:34	WSD
Chloroform	ND	1.0		ND	4.9	20	8/31/09 16:34	WSD
Chloromethane	ND	1.0		ND	2.1	20	8/31/09 16:34	WSD
Cyclohexane	ND	1.0		ND	3.4	20	8/31/09 16:34	WSD
Dibromochloromethane	ND	1.0		ND	8.5	20	8/31/09 16:34	WSD
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/31/09 16:34	WSD
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/31/09 16:34	WSD
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/31/09 16:34	WSD
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/31/09 16:34	WSD
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/31/09 16:34	WSD
1,1-Dichloroethane	19	1.0		75	4.0	20	8/31/09 16:34	WSD
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/31/09 16:34	WSD
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/31/09 16:34	WSD
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/31/09 16:34	WSD
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/31/09 16:34	WSD
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/31/09 16:34	WSD
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/31/09 16:34	WSD
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/31/09 16:34	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/31/09 16:34	WSD
Ethanol	ND	4.0		ND	7.5	20	8/31/09 16:34	WSD
Ethyl Acetate	ND	1.0		ND	3.6	20	8/31/09 16:34	WSD
Ethylbenzene	ND	1.0		ND	4.3	20	8/31/09 16:34	WSD
4-Ethyltoluene	ND	1.0		ND	4.9	20	8/31/09 16:34	WSD
Heptane	ND	1.0		ND	4.1	20	8/31/09 16:34	WSD
Hexachlorobutadiene	ND	1.0		ND	11	20	8/31/09 16:34	WSD
Hexane	ND	1.0		ND	3.5	20	8/31/09 16:34	WSD
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/31/09 16:34	WSD
Isopropanol	ND	2.0		ND	4.9	20	8/31/09 16:34	WSD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FB0-SS-102
Sample ID: 09H0663-02
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:16

Sample Description/Location:
Sub Description/Location:
Canister ID: 1279
Canister Size:
Flow Controller ID: 3235
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/31/09 16:34	WSD
Methylene Chloride	ND	4.0		ND	14	20	8/31/09 16:34	WSD
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/31/09 16:34	WSD
Propene	ND	4.0		ND	6.9	20	8/31/09 16:34	WSD
Styrene	ND	1.0		ND	4.3	20	8/31/09 16:34	WSD
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/31/09 16:34	WSD
Tetrachloroethylene	ND	1.0		ND	6.8	20	8/31/09 16:34	WSD
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/31/09 16:34	WSD
Toluene	ND	1.0		ND	3.8	20	8/31/09 16:34	WSD
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/31/09 16:34	WSD
1,1,1-Trichloroethane	4200	10		23000	55	200	9/1/09 12:25	WSD
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/31/09 16:34	WSD
Trichloroethylene	ND	1.0		ND	5.4	20	8/31/09 16:34	WSD
Trichlorofluoromethane (Freon 11)	1.3	1.0		7.3	5.6	20	8/31/09 16:34	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/31/09 16:34	WSD
1,2,4-Trimethylbenzene	ND	1.0		ND	4.9	20	8/31/09 16:34	WSD
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/31/09 16:34	WSD
Vinyl Acetate	ND	4.0		ND	14	20	8/31/09 16:34	WSD
Vinyl Chloride	ND	1.0		ND	2.6	20	8/31/09 16:34	WSD
m&p-Xylene	ND	2.0		ND	8.7	20	8/31/09 16:34	WSD
o-Xylene	ND	1.0		ND	4.3	20	8/31/09 16:34	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.6	70-130	9/1/09 12:25
4-Bromofluorobenzene (1)	97.6	70-130	8/31/09 16:34

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-103
Sample ID: 09H0663-03
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 1160
Canister Size:
Flow Controller ID: 3049
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	10	0.40		24	0.95	2	9/1/09 18:25	WSD
Benzene	0.59	0.10		1.9	0.32	2	9/1/09 18:25	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	9/1/09 18:25	WSD
Bromodichloromethane	0.14	0.10		0.91	0.67	2	9/1/09 18:25	WSD
Bromoform	ND	0.10		ND	1.0	2	9/1/09 18:25	WSD
Bromomethane	ND	0.10		ND	0.39	2	9/1/09 18:25	WSD
1,3-Butadiene	ND	0.20		ND	0.44	2	9/1/09 18:25	WSD
2-Butanone (MEK)	1.9	0.20		5.7	0.59	2	9/1/09 18:25	WSD
Carbon Disulfide	2.1	0.10		6.7	0.31	2	9/1/09 18:25	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	9/1/09 18:25	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	9/1/09 18:25	WSD
Chloroethane	ND	0.10		ND	0.26	2	9/1/09 18:25	WSD
Chloroform	0.30	0.10		1.5	0.49	2	9/1/09 18:25	WSD
Chloromethane	0.12	0.10		0.24	0.21	2	9/1/09 18:25	WSD
Cyclohexane	0.25	0.10		0.87	0.34	2	9/1/09 18:25	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	9/1/09 18:25	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	9/1/09 18:25	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 18:25	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 18:25	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 18:25	WSD
Dichlorodifluoromethane (Freon 12)	0.47	0.10		2.3	0.49	2	9/1/09 18:25	WSD
1,1-Dichloroethane	11	0.10		43	0.40	2	9/1/09 18:25	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	9/1/09 18:25	WSD
1,1-Dichloroethylene	0.14	0.10		0.54	0.40	2	9/1/09 18:25	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	9/1/09 18:25	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	9/1/09 18:25	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	9/1/09 18:25	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	9/1/09 18:25	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	9/1/09 18:25	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	9/1/09 18:25	WSD
Ethanol	1.8	0.40		3.3	0.75	2	9/1/09 18:25	WSD
Ethyl Acetate	0.21	0.10		0.76	0.36	2	9/1/09 18:25	WSD
Ethylbenzene	0.17	0.10		0.74	0.43	2	9/1/09 18:25	WSD
4-Ethyltoluene	ND	0.10		ND	0.49	2	9/1/09 18:25	WSD
Heptane	0.42	0.10		1.7	0.41	2	9/1/09 18:25	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	9/1/09 18:25	WSD
Hexane	0.52	0.10		1.8	0.35	2	9/1/09 18:25	WSD
2-Hexanone (MBK)	0.35	0.10		1.5	0.41	2	9/1/09 18:25	WSD
Isopropanol	0.61	0.20		1.5	0.49	2	9/1/09 18:25	WSD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-103
Sample ID: 09H0663-03
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 1160
Canister Size:
Flow Controller ID: 3049
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	9/1/09 18:25	WSD
Methylene Chloride	ND	0.40		ND	1.4	2	9/1/09 18:25	WSD
4-Methyl-2-pentanone (MIBK)	12	0.10		48	0.41	2	9/1/09 18:25	WSD
Propene	ND	0.40		ND	0.69	2	9/1/09 18:25	WSD
Styrene	ND	0.10		ND	0.43	2	9/1/09 18:25	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	9/1/09 18:25	WSD
Tetrachloroethylene	1.1	0.10		7.4	0.68	2	9/1/09 18:25	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	9/1/09 18:25	WSD
Toluene	1.1	0.10		4.0	0.38	2	9/1/09 18:25	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	9/1/09 18:25	WSD
1,1,1-Trichloroethane	640	1.0		3500	5.5	20	8/31/09 17:09	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	9/1/09 18:25	WSD
Trichloroethylene	0.27	0.10		1.5	0.54	2	9/1/09 18:25	WSD
Trichlorofluoromethane (Freon 11)	2.1	0.10		12	0.56	2	9/1/09 18:25	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.31	0.10		2.4	0.77	2	9/1/09 18:25	WSD
1,2,4-Trimethylbenzene	0.31	0.10		1.5	0.49	2	9/1/09 18:25	WSD
1,3,5-Trimethylbenzene	0.10	0.10		0.51	0.49	2	9/1/09 18:25	WSD
Vinyl Acetate	ND	0.40		ND	1.4	2	9/1/09 18:25	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	9/1/09 18:25	WSD
m&p-Xylene	0.64	0.20		2.8	0.87	2	9/1/09 18:25	WSD
o-Xylene	0.25	0.10		1.1	0.43	2	9/1/09 18:25	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.2	70-130	8/31/09 17:09
4-Bromofluorobenzene (1)	96.6	70-130	9/1/09 18:25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-104
Sample ID: 09H0663-04
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:19

Sample Description/Location:
Sub Description/Location:
Canister ID: 1785
Canister Size:
Flow Controller ID: 3120
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Acetone	19	0.40		46	0.95	2	9/1/09 19:02	WSD
Benzene	0.44	0.10		1.4	0.32	2	9/1/09 19:02	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	9/1/09 19:02	WSD
Bromodichloromethane	0.15	0.10		1.0	0.67	2	9/1/09 19:02	WSD
Bromoform	ND	0.10		ND	1.0	2	9/1/09 19:02	WSD
Bromomethane	ND	0.10		ND	0.39	2	9/1/09 19:02	WSD
1,3-Butadiene	ND	0.20		ND	0.44	2	9/1/09 19:02	WSD
2-Butanone (MEK)	4.5	0.20		13	0.59	2	9/1/09 19:02	WSD
Carbon Disulfide	2.6	0.10		8.2	0.31	2	9/1/09 19:02	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	9/1/09 19:02	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	9/1/09 19:02	WSD
Chloroethane	ND	0.10		ND	0.26	2	9/1/09 19:02	WSD
Chloroform	1.8	0.10		8.8	0.49	2	9/1/09 19:02	WSD
Chloromethane	ND	0.10		ND	0.21	2	9/1/09 19:02	WSD
Cyclohexane	0.22	0.10		0.76	0.34	2	9/1/09 19:02	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	9/1/09 19:02	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	9/1/09 19:02	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 19:02	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 19:02	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 19:02	WSD
Dichlorodifluoromethane (Freon 12)	0.66	0.10		3.3	0.49	2	9/1/09 19:02	WSD
1,1-Dichloroethane	1.7	0.10		6.8	0.40	2	9/1/09 19:02	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	9/1/09 19:02	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	9/1/09 19:02	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	9/1/09 19:02	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	9/1/09 19:02	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	9/1/09 19:02	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	9/1/09 19:02	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	9/1/09 19:02	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	9/1/09 19:02	WSD
Ethanol	2.6	0.40		4.8	0.75	2	9/1/09 19:02	WSD
Ethyl Acetate	ND	0.10		ND	0.36	2	9/1/09 19:02	WSD
Ethylbenzene	0.13	0.10		0.57	0.43	2	9/1/09 19:02	WSD
4-Ethyltoluene	ND	0.10		ND	0.49	2	9/1/09 19:02	WSD
Heptane	0.21	0.10		0.85	0.41	2	9/1/09 19:02	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	9/1/09 19:02	WSD
Hexane	0.29	0.10		1.0	0.35	2	9/1/09 19:02	WSD
2-Hexanone (MBK)	0.43	0.10		1.8	0.41	2	9/1/09 19:02	WSD
Isopropanol	1.0	0.20		2.5	0.49	2	9/1/09 19:02	WSD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-104
Sample ID: 09H0663-04
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:19

Sample Description/Location:
Sub Description/Location:
Canister ID: 1785
Canister Size:
Flow Controller ID: 3120
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	9/1/09 19:02	WSD
Methylene Chloride	ND	0.40		ND	1.4	2	9/1/09 19:02	WSD
4-Methyl-2-pentanone (MIBK)	1.5	0.10		6.1	0.41	2	9/1/09 19:02	WSD
Propene	ND	0.40		ND	0.69	2	9/1/09 19:02	WSD
Styrene	ND	0.10		ND	0.43	2	9/1/09 19:02	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	9/1/09 19:02	WSD
Tetrachloroethylene	0.16	0.10		1.1	0.68	2	9/1/09 19:02	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	9/1/09 19:02	WSD
Toluene	0.72	0.10		2.7	0.38	2	9/1/09 19:02	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	9/1/09 19:02	WSD
1,1,1-Trichloroethane	750	1.0		4100	5.5	20	8/31/09 17:45	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	9/1/09 19:02	WSD
Trichloroethylene	1.1	0.10		5.8	0.54	2	9/1/09 19:02	WSD
Trichlorofluoromethane (Freon 11)	3.4	0.10		19	0.56	2	9/1/09 19:02	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.88	0.10		6.7	0.77	2	9/1/09 19:02	WSD
1,2,4-Trimethylbenzene	0.34	0.10		1.7	0.49	2	9/1/09 19:02	WSD
1,3,5-Trimethylbenzene	0.12	0.10		0.58	0.49	2	9/1/09 19:02	WSD
Vinyl Acetate	ND	0.40		ND	1.4	2	9/1/09 19:02	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	9/1/09 19:02	WSD
m&p-Xylene	0.45	0.20		1.9	0.87	2	9/1/09 19:02	WSD
o-Xylene	0.21	0.10		0.93	0.43	2	9/1/09 19:02	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.3	70-130	8/31/09 17:45
4-Bromofluorobenzene (1)	98.2	70-130	9/1/09 19:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-105
Sample ID: 09H0663-05
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 1315
Canister Size:
Flow Controller ID: 3292
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -29.5
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Acetone	12	4.0		29	9.5	20	8/31/09 18:20	WSD
Benzene	ND	1.0		ND	3.2	20	8/31/09 18:20	WSD
Benzyl chloride	ND	1.0		ND	5.2	20	8/31/09 18:20	WSD
Bromodichloromethane	ND	1.0		ND	6.7	20	8/31/09 18:20	WSD
Bromoform	ND	1.0		ND	10	20	8/31/09 18:20	WSD
Bromomethane	ND	1.0		ND	3.9	20	8/31/09 18:20	WSD
1,3-Butadiene	ND	2.0		ND	4.4	20	8/31/09 18:20	WSD
2-Butanone (MEK)	3.8	2.0		11	5.9	20	8/31/09 18:20	WSD
Carbon Disulfide	2.1	1.0		6.7	3.1	20	8/31/09 18:20	WSD
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/31/09 18:20	WSD
Chlorobenzene	ND	1.0		ND	4.6	20	8/31/09 18:20	WSD
Chloroethane	ND	1.0		ND	2.6	20	8/31/09 18:20	WSD
Chloroform	1.1	1.0		5.6	4.9	20	8/31/09 18:20	WSD
Chloromethane	ND	1.0		ND	2.1	20	8/31/09 18:20	WSD
Cyclohexane	ND	1.0		ND	3.4	20	8/31/09 18:20	WSD
Dibromochloromethane	ND	1.0		ND	8.5	20	8/31/09 18:20	WSD
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/31/09 18:20	WSD
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/31/09 18:20	WSD
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/31/09 18:20	WSD
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/31/09 18:20	WSD
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/31/09 18:20	WSD
1,1-Dichloroethane	7.0	1.0		28	4.0	20	8/31/09 18:20	WSD
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/31/09 18:20	WSD
1,1-Dichloroethylene	6.8	1.0		27	4.0	20	8/31/09 18:20	WSD
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/31/09 18:20	WSD
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/31/09 18:20	WSD
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/31/09 18:20	WSD
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/31/09 18:20	WSD
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/31/09 18:20	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/31/09 18:20	WSD
Ethanol	ND	4.0		ND	7.5	20	8/31/09 18:20	WSD
Ethyl Acetate	ND	1.0		ND	3.6	20	8/31/09 18:20	WSD
Ethylbenzene	ND	1.0		ND	4.3	20	8/31/09 18:20	WSD
4-Ethyltoluene	ND	1.0		ND	4.9	20	8/31/09 18:20	WSD
Heptane	ND	1.0		ND	4.1	20	8/31/09 18:20	WSD
Hexachlorobutadiene	ND	1.0		ND	11	20	8/31/09 18:20	WSD
Hexane	ND	1.0		ND	3.5	20	8/31/09 18:20	WSD
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/31/09 18:20	WSD
Isopropanol	ND	2.0		ND	4.9	20	8/31/09 18:20	WSD

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ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-105
Sample ID: 09H0663-05
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 1315
Canister Size:
Flow Controller ID: 3292
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -29.5
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/31/09 18:20	WSD
Methylene Chloride	ND	4.0		ND	14	20	8/31/09 18:20	WSD
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/31/09 18:20	WSD
Propene	ND	4.0		ND	6.9	20	8/31/09 18:20	WSD
Styrene	ND	1.0		ND	4.3	20	8/31/09 18:20	WSD
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/31/09 18:20	WSD
Tetrachloroethylene	38	1.0		260	6.8	20	8/31/09 18:20	WSD
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/31/09 18:20	WSD
Toluene	ND	1.0		ND	3.8	20	8/31/09 18:20	WSD
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/31/09 18:20	WSD
1,1,1-Trichloroethane	1900	10		11000	55	200	9/2/09 9:01	WSD
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/31/09 18:20	WSD
Trichloroethylene	2.9	1.0		15	5.4	20	8/31/09 18:20	WSD
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/31/09 18:20	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/31/09 18:20	WSD
1,2,4-Trimethylbenzene	ND	1.0		ND	4.9	20	8/31/09 18:20	WSD
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/31/09 18:20	WSD
Vinyl Acetate	ND	4.0		ND	14	20	8/31/09 18:20	WSD
Vinyl Chloride	ND	1.0		ND	2.6	20	8/31/09 18:20	WSD
m&p-Xylene	ND	2.0		ND	8.7	20	8/31/09 18:20	WSD
o-Xylene	ND	1.0		ND	4.3	20	8/31/09 18:20	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.2	70-130	9/2/09 9:01
4-Bromofluorobenzene (1)	97.9	70-130	8/31/09 18:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-106
Sample ID: 09H0663-06
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:21

Sample Description/Location:
Sub Description/Location:
Canister ID: 1723
Canister Size:
Flow Controller ID: 3162
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	9.5	0.40		23	0.95	2	9/1/09 19:39	WSD
Benzene	0.48	0.10		1.5	0.32	2	9/1/09 19:39	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	9/1/09 19:39	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	9/1/09 19:39	WSD
Bromoform	ND	0.10		ND	1.0	2	9/1/09 19:39	WSD
Bromomethane	ND	0.10		ND	0.39	2	9/1/09 19:39	WSD
1,3-Butadiene	ND	0.20		ND	0.44	2	9/1/09 19:39	WSD
2-Butanone (MEK)	2.5	0.20		7.4	0.59	2	9/1/09 19:39	WSD
Carbon Disulfide	1.3	0.10		4.1	0.31	2	9/1/09 19:39	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	9/1/09 19:39	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	9/1/09 19:39	WSD
Chloroethane	ND	0.10		ND	0.26	2	9/1/09 19:39	WSD
Chloroform	ND	0.10		ND	0.49	2	9/1/09 19:39	WSD
Chloromethane	0.11	0.10		0.22	0.21	2	9/1/09 19:39	WSD
Cyclohexane	0.28	0.10		0.98	0.34	2	9/1/09 19:39	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	9/1/09 19:39	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	9/1/09 19:39	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 19:39	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 19:39	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	9/1/09 19:39	WSD
Dichlorodifluoromethane (Freon 12)	0.42	0.10		2.1	0.49	2	9/1/09 19:39	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	9/1/09 19:39	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	9/1/09 19:39	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	9/1/09 19:39	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	9/1/09 19:39	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	9/1/09 19:39	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	9/1/09 19:39	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	9/1/09 19:39	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	9/1/09 19:39	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	9/1/09 19:39	WSD
Ethanol	1.3	0.40		2.4	0.75	2	9/1/09 19:39	WSD
Ethyl Acetate	ND	0.10		ND	0.36	2	9/1/09 19:39	WSD
Ethylbenzene	0.15	0.10		0.65	0.43	2	9/1/09 19:39	WSD
4-Ethyltoluene	ND	0.10		ND	0.49	2	9/1/09 19:39	WSD
Heptane	0.66	0.10		2.7	0.41	2	9/1/09 19:39	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	9/1/09 19:39	WSD
Hexane	0.65	0.10		2.3	0.35	2	9/1/09 19:39	WSD
2-Hexanone (MBK)	0.45	0.10		1.8	0.41	2	9/1/09 19:39	WSD
Isopropanol	0.38	0.20		0.93	0.49	2	9/1/09 19:39	WSD

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ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-106
Sample ID: 09H0663-06
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:21

Sample Description/Location:
Sub Description/Location:
Canister ID: 1723
Canister Size:
Flow Controller ID: 3162
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	9/1/09 19:39	WSD
Methylene Chloride	ND	0.40		ND	1.4	2	9/1/09 19:39	WSD
4-Methyl-2-pentanone (MIBK)	0.29	0.10		1.2	0.41	2	9/1/09 19:39	WSD
Propene	ND	0.40		ND	0.69	2	9/1/09 19:39	WSD
Styrene	ND	0.10		ND	0.43	2	9/1/09 19:39	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	9/1/09 19:39	WSD
Tetrachloroethylene	ND	0.10		ND	0.68	2	9/1/09 19:39	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	9/1/09 19:39	WSD
Toluene	0.83	0.10		3.1	0.38	2	9/1/09 19:39	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	9/1/09 19:39	WSD
1,1,1-Trichloroethane	0.61	0.10		3.4	0.55	2	9/1/09 19:39	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	9/1/09 19:39	WSD
Trichloroethylene	20	0.10		110	0.54	2	9/1/09 19:39	WSD
Trichlorofluoromethane (Freon 11)	0.20	0.10		1.1	0.56	2	9/1/09 19:39	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	9/1/09 19:39	WSD
1,2,4-Trimethylbenzene	0.21	0.10		1.1	0.49	2	9/1/09 19:39	WSD
1,3,5-Trimethylbenzene	0.12	0.10		0.59	0.49	2	9/1/09 19:39	WSD
Vinyl Acetate	ND	0.40		ND	1.4	2	9/1/09 19:39	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	9/1/09 19:39	WSD
m&p-Xylene	0.61	0.20		2.6	0.87	2	9/1/09 19:39	WSD
o-Xylene	0.20	0.10		0.85	0.43	2	9/1/09 19:39	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.8	70-130	9/1/09 19:39

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ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-107
Sample ID: 09H0663-07
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:22

Sample Description/Location:
Sub Description/Location:
Canister ID: 1017
Canister Size:
Flow Controller ID: 3220
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	38	0.18	E	89	0.43	0.899	9/1/09 13:07	WSD
Benzene	1.4	0.045		4.6	0.14	0.899	9/1/09 13:07	WSD
Benzyl chloride	ND	0.045		ND	0.23	0.899	9/1/09 13:07	WSD
Bromodichloromethane	0.090	0.045		0.60	0.30	0.899	9/1/09 13:07	WSD
Bromoform	0.063	0.045		0.65	0.46	0.899	9/1/09 13:07	WSD
Bromomethane	ND	0.045		ND	0.17	0.899	9/1/09 13:07	WSD
1,3-Butadiene	ND	0.090		ND	0.20	0.899	9/1/09 13:07	WSD
2-Butanone (MEK)	7.6	0.090		22	0.27	0.899	9/1/09 13:07	WSD
Carbon Disulfide	4.1	0.045		13	0.14	0.899	9/1/09 13:07	WSD
Carbon Tetrachloride	ND	0.045		ND	0.28	0.899	9/1/09 13:07	WSD
Chlorobenzene	ND	0.045		ND	0.21	0.899	9/1/09 13:07	WSD
Chloroethane	ND	0.045		ND	0.12	0.899	9/1/09 13:07	WSD
Chloroform	0.37	0.045		1.8	0.22	0.899	9/1/09 13:07	WSD
Chloromethane	0.086	0.045		0.18	0.093	0.899	9/1/09 13:07	WSD
Cyclohexane	0.64	0.045		2.2	0.15	0.899	9/1/09 13:07	WSD
Dibromochloromethane	0.072	0.045		0.61	0.38	0.899	9/1/09 13:07	WSD
1,2-Dibromoethane (EDB)	ND	0.045		ND	0.35	0.899	9/1/09 13:07	WSD
1,2-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 13:07	WSD
1,3-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 13:07	WSD
1,4-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 13:07	WSD
Dichlorodifluoromethane (Freon 12)	0.60	0.045		3.0	0.22	0.899	9/1/09 13:07	WSD
1,1-Dichloroethane	1.2	0.045		4.7	0.18	0.899	9/1/09 13:07	WSD
1,2-Dichloroethane	ND	0.045		ND	0.18	0.899	9/1/09 13:07	WSD
1,1-Dichloroethylene	0.10	0.045		0.40	0.18	0.899	9/1/09 13:07	WSD
cis-1,2-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 13:07	WSD
trans-1,2-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 13:07	WSD
1,2-Dichloropropane	ND	0.045		ND	0.21	0.899	9/1/09 13:07	WSD
cis-1,3-Dichloropropene	ND	0.045		ND	0.20	0.899	9/1/09 13:07	WSD
trans-1,3-Dichloropropene	ND	0.045		ND	0.20	0.899	9/1/09 13:07	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.045		ND	0.31	0.899	9/1/09 13:07	WSD
Ethanol	2.9	0.18		5.5	0.34	0.899	9/1/09 13:07	WSD
Ethyl Acetate	ND	0.045		ND	0.16	0.899	9/1/09 13:07	WSD
Ethylbenzene	0.46	0.045		2.0	0.20	0.899	9/1/09 13:07	WSD
4-Ethyltoluene	0.22	0.045		1.1	0.22	0.899	9/1/09 13:07	WSD
Heptane	2.0	0.045		8.3	0.18	0.899	9/1/09 13:07	WSD
Hexachlorobutadiene	ND	0.045		ND	0.48	0.899	9/1/09 13:07	WSD
Hexane	1.7	0.045		6.0	0.16	0.899	9/1/09 13:07	WSD
2-Hexanone (MBK)	1.7	0.045		6.8	0.18	0.899	9/1/09 13:07	WSD
Isopropanol	0.93	0.090		2.3	0.22	0.899	9/1/09 13:07	WSD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-107
Sample ID: 09H0663-07
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:22

Sample Description/Location:
Sub Description/Location:
Canister ID: 1017
Canister Size:
Flow Controller ID: 3220
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	0.045		ND	0.16	0.899	9/1/09 13:07	WSD
Methylene Chloride	ND	0.18		ND	0.62	0.899	9/1/09 13:07	WSD
4-Methyl-2-pentanone (MIBK)	4.9	0.045		20	0.18	0.899	9/1/09 13:07	WSD
Propene	ND	0.18		ND	0.31	0.899	9/1/09 13:07	WSD
Styrene	0.094	0.045		0.40	0.19	0.899	9/1/09 13:07	WSD
1,1,2,2-Tetrachloroethane	ND	0.045		ND	0.31	0.899	9/1/09 13:07	WSD
Tetrachloroethylene	0.25	0.045		1.7	0.30	0.899	9/1/09 13:07	WSD
Tetrahydrofuran	1.0	0.045		2.9	0.13	0.899	9/1/09 13:07	WSD
Toluene	3.1	0.045		12	0.17	0.899	9/1/09 13:07	WSD
1,2,4-Trichlorobenzene	ND	0.045		ND	0.33	0.899	9/1/09 13:07	WSD
1,1,1-Trichloroethane	160	1.0		860	5.5	20	8/31/09 20:09	WSD
1,1,2-Trichloroethane	ND	0.045		ND	0.25	0.899	9/1/09 13:07	WSD
Trichloroethylene	0.71	0.045		3.8	0.24	0.899	9/1/09 13:07	WSD
Trichlorofluoromethane (Freon 11)	0.52	0.045		2.9	0.25	0.899	9/1/09 13:07	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.080	0.045		0.61	0.34	0.899	9/1/09 13:07	WSD
1,2,4-Trimethylbenzene	1.1	0.045		5.5	0.22	0.899	9/1/09 13:07	WSD
1,3,5-Trimethylbenzene	0.55	0.045		2.7	0.22	0.899	9/1/09 13:07	WSD
Vinyl Acetate	ND	0.18		ND	0.63	0.899	9/1/09 13:07	WSD
Vinyl Chloride	ND	0.045		ND	0.11	0.899	9/1/09 13:07	WSD
m&p-Xylene	2.8	0.090		12	0.39	0.899	9/1/09 13:07	WSD
o-Xylene	0.86	0.045		3.7	0.20	0.899	9/1/09 13:07	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.1	70-130	8/31/09 20:09
4-Bromofluorobenzene (1)	101	70-130	9/1/09 13:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-108
Sample ID: 09H0663-08
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1318
Canister Size:
Flow Controller ID: 3297
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -29.5
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	21	0.18		49	0.43	0.899	9/1/09 14:24	WSD
Benzene	1.0	0.045		3.3	0.14	0.899	9/1/09 14:24	WSD
Benzyl chloride	ND	0.045		ND	0.23	0.899	9/1/09 14:24	WSD
Bromodichloromethane	0.097	0.045		0.65	0.30	0.899	9/1/09 14:24	WSD
Bromoform	ND	0.045		ND	0.46	0.899	9/1/09 14:24	WSD
Bromomethane	ND	0.045		ND	0.17	0.899	9/1/09 14:24	WSD
1,3-Butadiene	ND	0.090		ND	0.20	0.899	9/1/09 14:24	WSD
2-Butanone (MEK)	2.9	0.090		8.7	0.27	0.899	9/1/09 14:24	WSD
Carbon Disulfide	2.8	0.045		8.6	0.14	0.899	9/1/09 14:24	WSD
Carbon Tetrachloride	ND	0.045		ND	0.28	0.899	9/1/09 14:24	WSD
Chlorobenzene	ND	0.045		ND	0.21	0.899	9/1/09 14:24	WSD
Chloroethane	ND	0.045		ND	0.12	0.899	9/1/09 14:24	WSD
Chloroform	0.28	0.045		1.3	0.22	0.899	9/1/09 14:24	WSD
Chloromethane	0.060	0.045		0.12	0.093	0.899	9/1/09 14:24	WSD
Cyclohexane	0.55	0.045		1.9	0.15	0.899	9/1/09 14:24	WSD
Dibromochloromethane	0.069	0.045		0.59	0.38	0.899	9/1/09 14:24	WSD
1,2-Dibromoethane (EDB)	ND	0.045		ND	0.35	0.899	9/1/09 14:24	WSD
1,2-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 14:24	WSD
1,3-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 14:24	WSD
1,4-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 14:24	WSD
Dichlorodifluoromethane (Freon 12)	0.48	0.045		2.4	0.22	0.899	9/1/09 14:24	WSD
1,1-Dichloroethane	0.69	0.045		2.8	0.18	0.899	9/1/09 14:24	WSD
1,2-Dichloroethane	ND	0.045		ND	0.18	0.899	9/1/09 14:24	WSD
1,1-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 14:24	WSD
cis-1,2-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 14:24	WSD
trans-1,2-Dichloroethylene	0.068	0.045		0.27	0.18	0.899	9/1/09 14:24	WSD
1,2-Dichloropropane	ND	0.045		ND	0.21	0.899	9/1/09 14:24	WSD
cis-1,3-Dichloropropene	ND	0.045		ND	0.20	0.899	9/1/09 14:24	WSD
trans-1,3-Dichloropropene	ND	0.045		ND	0.20	0.899	9/1/09 14:24	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.045		ND	0.31	0.899	9/1/09 14:24	WSD
Ethanol	1.3	0.18		2.4	0.34	0.899	9/1/09 14:24	WSD
Ethyl Acetate	ND	0.045		ND	0.16	0.899	9/1/09 14:24	WSD
Ethylbenzene	0.31	0.045		1.3	0.20	0.899	9/1/09 14:24	WSD
4-Ethyltoluene	0.11	0.045		0.53	0.22	0.899	9/1/09 14:24	WSD
Heptane	0.75	0.045		3.1	0.18	0.899	9/1/09 14:24	WSD
Hexachlorobutadiene	ND	0.045		ND	0.48	0.899	9/1/09 14:24	WSD
Hexane	1.3	0.045		4.7	0.16	0.899	9/1/09 14:24	WSD
2-Hexanone (MBK)	0.29	0.045		1.2	0.18	0.899	9/1/09 14:24	WSD
Isopropanol	0.80	0.090		2.0	0.22	0.899	9/1/09 14:24	WSD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-108
Sample ID: 09H0663-08
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1318
Canister Size:
Flow Controller ID: 3297
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -29.5
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	0.045		ND	0.16	0.899	9/1/09 14:24	WSD
Methylene Chloride	ND	0.18		ND	0.62	0.899	9/1/09 14:24	WSD
4-Methyl-2-pentanone (MIBK)	9.2	0.045		38	0.18	0.899	9/1/09 14:24	WSD
Propene	ND	0.18		ND	0.31	0.899	9/1/09 14:24	WSD
Styrene	0.084	0.045		0.36	0.19	0.899	9/1/09 14:24	WSD
1,1,2,2-Tetrachloroethane	ND	0.045		ND	0.31	0.899	9/1/09 14:24	WSD
Tetrachloroethylene	0.073	0.045		0.49	0.30	0.899	9/1/09 14:24	WSD
Tetrahydrofuran	0.19	0.045		0.57	0.13	0.899	9/1/09 14:24	WSD
Toluene	1.7	0.045		6.4	0.17	0.899	9/1/09 14:24	WSD
1,2,4-Trichlorobenzene	ND	0.045		ND	0.33	0.899	9/1/09 14:24	WSD
1,1,1-Trichloroethane	6.4	0.045		35	0.25	0.899	9/1/09 14:24	WSD
1,1,2-Trichloroethane	ND	0.045		ND	0.25	0.899	9/1/09 14:24	WSD
Trichloroethylene	0.67	0.045		3.6	0.24	0.899	9/1/09 14:24	WSD
Trichlorofluoromethane (Freon 11)	1.4	0.045		7.9	0.25	0.899	9/1/09 14:24	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.076	0.045		0.58	0.34	0.899	9/1/09 14:24	WSD
1,2,4-Trimethylbenzene	0.46	0.045		2.3	0.22	0.899	9/1/09 14:24	WSD
1,3,5-Trimethylbenzene	0.19	0.045		0.94	0.22	0.899	9/1/09 14:24	WSD
Vinyl Acetate	ND	0.18		ND	0.63	0.899	9/1/09 14:24	WSD
Vinyl Chloride	ND	0.045		ND	0.11	0.899	9/1/09 14:24	WSD
m&p-Xylene	0.96	0.090		4.2	0.39	0.899	9/1/09 14:24	WSD
o-Xylene	0.43	0.045		1.9	0.20	0.899	9/1/09 14:24	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.3	70-130	9/1/09 14:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-109
Sample ID: 09H0663-09
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:26

Sample Description/Location:
Sub Description/Location:
Canister ID: 1739
Canister Size:
Flow Controller ID: 3199
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	9.7	0.18		23	0.43	0.899	9/1/09 15:05	WSD
Benzene	0.23	0.045		0.74	0.14	0.899	9/1/09 15:05	WSD
Benzyl chloride	ND	0.045		ND	0.23	0.899	9/1/09 15:05	WSD
Bromodichloromethane	0.074	0.045		0.49	0.30	0.899	9/1/09 15:05	WSD
Bromoform	0.077	0.045		0.80	0.46	0.899	9/1/09 15:05	WSD
Bromomethane	ND	0.045		ND	0.17	0.899	9/1/09 15:05	WSD
1,3-Butadiene	ND	0.090		ND	0.20	0.899	9/1/09 15:05	WSD
2-Butanone (MEK)	2.5	0.090		7.5	0.27	0.899	9/1/09 15:05	WSD
Carbon Disulfide	0.45	0.045		1.4	0.14	0.899	9/1/09 15:05	WSD
Carbon Tetrachloride	ND	0.045		ND	0.28	0.899	9/1/09 15:05	WSD
Chlorobenzene	ND	0.045		ND	0.21	0.899	9/1/09 15:05	WSD
Chloroethane	ND	0.045		ND	0.12	0.899	9/1/09 15:05	WSD
Chloroform	0.084	0.045		0.41	0.22	0.899	9/1/09 15:05	WSD
Chloromethane	0.091	0.045		0.19	0.093	0.899	9/1/09 15:05	WSD
Cyclohexane	0.15	0.045		0.51	0.15	0.899	9/1/09 15:05	WSD
Dibromochloromethane	0.099	0.045		0.84	0.38	0.899	9/1/09 15:05	WSD
1,2-Dibromoethane (EDB)	ND	0.045		ND	0.35	0.899	9/1/09 15:05	WSD
1,2-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 15:05	WSD
1,3-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 15:05	WSD
1,4-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 15:05	WSD
Dichlorodifluoromethane (Freon 12)	2.7	0.045		13	0.22	0.899	9/1/09 15:05	WSD
1,1-Dichloroethane	ND	0.045		ND	0.18	0.899	9/1/09 15:05	WSD
1,2-Dichloroethane	ND	0.045		ND	0.18	0.899	9/1/09 15:05	WSD
1,1-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 15:05	WSD
cis-1,2-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 15:05	WSD
trans-1,2-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 15:05	WSD
1,2-Dichloropropane	ND	0.045		ND	0.21	0.899	9/1/09 15:05	WSD
cis-1,3-Dichloropropene	ND	0.045		ND	0.20	0.899	9/1/09 15:05	WSD
trans-1,3-Dichloropropene	ND	0.045		ND	0.20	0.899	9/1/09 15:05	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.045		ND	0.31	0.899	9/1/09 15:05	WSD
Ethanol	2.2	0.18		4.1	0.34	0.899	9/1/09 15:05	WSD
Ethyl Acetate	0.12	0.045		0.42	0.16	0.899	9/1/09 15:05	WSD
Ethylbenzene	0.085	0.045		0.37	0.20	0.899	9/1/09 15:05	WSD
4-Ethyltoluene	0.054	0.045		0.27	0.22	0.899	9/1/09 15:05	WSD
Heptane	0.37	0.045		1.5	0.18	0.899	9/1/09 15:05	WSD
Hexachlorobutadiene	ND	0.045		ND	0.48	0.899	9/1/09 15:05	WSD
Hexane	0.44	0.045		1.5	0.16	0.899	9/1/09 15:05	WSD
2-Hexanone (MBK)	0.41	0.045		1.7	0.18	0.899	9/1/09 15:05	WSD
Isopropanol	0.71	0.090		1.8	0.22	0.899	9/1/09 15:05	WSD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-109
Sample ID: 09H0663-09
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:26

Sample Description/Location:
Sub Description/Location:
Canister ID: 1739
Canister Size:
Flow Controller ID: 3199
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	0.045		ND	0.16	0.899	9/1/09 15:05	WSD
Methylene Chloride	ND	0.18		ND	0.62	0.899	9/1/09 15:05	WSD
4-Methyl-2-pentanone (MIBK)	7.0	0.045		29	0.18	0.899	9/1/09 15:05	WSD
Propene	ND	0.18		ND	0.31	0.899	9/1/09 15:05	WSD
Styrene	ND	0.045		ND	0.19	0.899	9/1/09 15:05	WSD
1,1,2,2-Tetrachloroethane	ND	0.045		ND	0.31	0.899	9/1/09 15:05	WSD
Tetrachloroethylene	0.25	0.045		1.7	0.30	0.899	9/1/09 15:05	WSD
Tetrahydrofuran	0.15	0.045		0.45	0.13	0.899	9/1/09 15:05	WSD
Toluene	0.70	0.045		2.6	0.17	0.899	9/1/09 15:05	WSD
1,2,4-Trichlorobenzene	ND	0.045		ND	0.33	0.899	9/1/09 15:05	WSD
1,1,1-Trichloroethane	1.7	0.045		9.5	0.25	0.899	9/1/09 15:05	WSD
1,1,2-Trichloroethane	ND	0.045		ND	0.25	0.899	9/1/09 15:05	WSD
Trichloroethylene	0.067	0.045		0.36	0.24	0.899	9/1/09 15:05	WSD
Trichlorofluoromethane (Freon 11)	0.27	0.045		1.5	0.25	0.899	9/1/09 15:05	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.073	0.045		0.56	0.34	0.899	9/1/09 15:05	WSD
1,2,4-Trimethylbenzene	0.35	0.045		1.7	0.22	0.899	9/1/09 15:05	WSD
1,3,5-Trimethylbenzene	0.13	0.045		0.65	0.22	0.899	9/1/09 15:05	WSD
Vinyl Acetate	ND	0.18		ND	0.63	0.899	9/1/09 15:05	WSD
Vinyl Chloride	ND	0.045		ND	0.11	0.899	9/1/09 15:05	WSD
m&p-Xylene	0.51	0.090		2.2	0.39	0.899	9/1/09 15:05	WSD
o-Xylene	0.18	0.045		0.76	0.20	0.899	9/1/09 15:05	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.5	70-130	9/1/09 15:05

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-109/Q
Sample ID: 09H0663-10
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:26

Sample Description/Location:
Sub Description/Location:
Canister ID: 1298
Canister Size:
Flow Controller ID: 3155
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -2
Receipt Vacuum(in Hg): -1
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	20	0.18		47	0.43	0.899	9/1/09 15:45	WSD
Benzene	0.31	0.045		0.98	0.14	0.899	9/1/09 15:45	WSD
Benzyl chloride	ND	0.045		ND	0.23	0.899	9/1/09 15:45	WSD
Bromodichloromethane	ND	0.045		ND	0.30	0.899	9/1/09 15:45	WSD
Bromoform	ND	0.045		ND	0.46	0.899	9/1/09 15:45	WSD
Bromomethane	ND	0.045		ND	0.17	0.899	9/1/09 15:45	WSD
1,3-Butadiene	ND	0.090		ND	0.20	0.899	9/1/09 15:45	WSD
2-Butanone (MEK)	2.6	0.090		7.7	0.27	0.899	9/1/09 15:45	WSD
Carbon Disulfide	0.20	0.045		0.61	0.14	0.899	9/1/09 15:45	WSD
Carbon Tetrachloride	0.053	0.045		0.33	0.28	0.899	9/1/09 15:45	WSD
Chlorobenzene	ND	0.045		ND	0.21	0.899	9/1/09 15:45	WSD
Chloroethane	ND	0.045		ND	0.12	0.899	9/1/09 15:45	WSD
Chloroform	0.062	0.045		0.30	0.22	0.899	9/1/09 15:45	WSD
Chloromethane	0.36	0.045		0.75	0.093	0.899	9/1/09 15:45	WSD
Cyclohexane	0.28	0.045		0.96	0.15	0.899	9/1/09 15:45	WSD
Dibromochloromethane	ND	0.045		ND	0.38	0.899	9/1/09 15:45	WSD
1,2-Dibromoethane (EDB)	ND	0.045		ND	0.35	0.899	9/1/09 15:45	WSD
1,2-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 15:45	WSD
1,3-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 15:45	WSD
1,4-Dichlorobenzene	0.25	0.045		1.5	0.27	0.899	9/1/09 15:45	WSD
Dichlorodifluoromethane (Freon 12)	2.8	0.045		14	0.22	0.899	9/1/09 15:45	WSD
1,1-Dichloroethane	ND	0.045		ND	0.18	0.899	9/1/09 15:45	WSD
1,2-Dichloroethane	ND	0.045		ND	0.18	0.899	9/1/09 15:45	WSD
1,1-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 15:45	WSD
cis-1,2-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 15:45	WSD
trans-1,2-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 15:45	WSD
1,2-Dichloropropane	ND	0.045		ND	0.21	0.899	9/1/09 15:45	WSD
cis-1,3-Dichloropropene	ND	0.045		ND	0.20	0.899	9/1/09 15:45	WSD
trans-1,3-Dichloropropene	ND	0.045		ND	0.20	0.899	9/1/09 15:45	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.045		ND	0.31	0.899	9/1/09 15:45	WSD
Ethanol	5.0	0.18		9.5	0.34	0.899	9/1/09 15:45	WSD
Ethyl Acetate	0.39	0.045		1.4	0.16	0.899	9/1/09 15:45	WSD
Ethylbenzene	0.28	0.045		1.2	0.20	0.899	9/1/09 15:45	WSD
4-Ethyltoluene	0.098	0.045		0.48	0.22	0.899	9/1/09 15:45	WSD
Heptane	0.28	0.045		1.2	0.18	0.899	9/1/09 15:45	WSD
Hexachlorobutadiene	ND	0.045		ND	0.48	0.899	9/1/09 15:45	WSD
Hexane	0.54	0.045		1.9	0.16	0.899	9/1/09 15:45	WSD
2-Hexanone (MBK)	0.22	0.045		0.88	0.18	0.899	9/1/09 15:45	WSD
Isopropanol	1.4	0.090		3.4	0.22	0.899	9/1/09 15:45	WSD

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-109/Q
Sample ID: 09H0663-10
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:26

Sample Description/Location:
Sub Description/Location:
Canister ID: 1298
Canister Size:
Flow Controller ID: 3155
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -2
Receipt Vacuum(in Hg): -1
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	0.045		ND	0.16	0.899	9/1/09 15:45	WSD
Methylene Chloride	0.18	0.18		0.63	0.62	0.899	9/1/09 15:45	WSD
4-Methyl-2-pentanone (MIBK)	2.8	0.045		11	0.18	0.899	9/1/09 15:45	WSD
Propene	ND	0.18		ND	0.31	0.899	9/1/09 15:45	WSD
Styrene	0.099	0.045		0.42	0.19	0.899	9/1/09 15:45	WSD
1,1,2,2-Tetrachloroethane	ND	0.045		ND	0.31	0.899	9/1/09 15:45	WSD
Tetrachloroethylene	0.085	0.045		0.58	0.30	0.899	9/1/09 15:45	WSD
Tetrahydrofuran	0.16	0.045		0.46	0.13	0.899	9/1/09 15:45	WSD
Toluene	1.6	0.045		6.1	0.17	0.899	9/1/09 15:45	WSD
1,2,4-Trichlorobenzene	ND	0.045		ND	0.33	0.899	9/1/09 15:45	WSD
1,1,1-Trichloroethane	0.63	0.045		3.4	0.25	0.899	9/1/09 15:45	WSD
1,1,2-Trichloroethane	ND	0.045		ND	0.25	0.899	9/1/09 15:45	WSD
Trichloroethylene	0.22	0.045		1.2	0.24	0.899	9/1/09 15:45	WSD
Trichlorofluoromethane (Freon 11)	0.27	0.045		1.5	0.25	0.899	9/1/09 15:45	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.067	0.045		0.52	0.34	0.899	9/1/09 15:45	WSD
1,2,4-Trimethylbenzene	0.49	0.045		2.4	0.22	0.899	9/1/09 15:45	WSD
1,3,5-Trimethylbenzene	0.15	0.045		0.74	0.22	0.899	9/1/09 15:45	WSD
Vinyl Acetate	ND	0.18		ND	0.63	0.899	9/1/09 15:45	WSD
Vinyl Chloride	ND	0.045		ND	0.11	0.899	9/1/09 15:45	WSD
m&p-Xylene	1.1	0.090		4.9	0.39	0.899	9/1/09 15:45	WSD
o-Xylene	0.39	0.045		1.7	0.20	0.899	9/1/09 15:45	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.9	70-130	9/1/09 15:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-110
Sample ID: 09H0663-11
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:26

Sample Description/Location:
Sub Description/Location:
Canister ID: 1032
Canister Size:
Flow Controller ID: 3157
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	9.3	0.18		22	0.43	0.899	9/1/09 16:26	WSD
Benzene	0.096	0.045		0.31	0.14	0.899	9/1/09 16:26	WSD
Benzyl chloride	ND	0.045		ND	0.23	0.899	9/1/09 16:26	WSD
Bromodichloromethane	ND	0.045		ND	0.30	0.899	9/1/09 16:26	WSD
Bromoform	ND	0.045		ND	0.46	0.899	9/1/09 16:26	WSD
Bromomethane	ND	0.045		ND	0.17	0.899	9/1/09 16:26	WSD
1,3-Butadiene	ND	0.090		ND	0.20	0.899	9/1/09 16:26	WSD
2-Butanone (MEK)	2.1	0.090		6.2	0.27	0.899	9/1/09 16:26	WSD
Carbon Disulfide	0.47	0.045		1.4	0.14	0.899	9/1/09 16:26	WSD
Carbon Tetrachloride	ND	0.045		ND	0.28	0.899	9/1/09 16:26	WSD
Chlorobenzene	ND	0.045		ND	0.21	0.899	9/1/09 16:26	WSD
Chloroethane	ND	0.045		ND	0.12	0.899	9/1/09 16:26	WSD
Chloroform	ND	0.045		ND	0.22	0.899	9/1/09 16:26	WSD
Chloromethane	ND	0.045		ND	0.093	0.899	9/1/09 16:26	WSD
Cyclohexane	ND	0.045		ND	0.15	0.899	9/1/09 16:26	WSD
Dibromochloromethane	ND	0.045		ND	0.38	0.899	9/1/09 16:26	WSD
1,2-Dibromoethane (EDB)	ND	0.045		ND	0.35	0.899	9/1/09 16:26	WSD
1,2-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 16:26	WSD
1,3-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 16:26	WSD
1,4-Dichlorobenzene	ND	0.045		ND	0.27	0.899	9/1/09 16:26	WSD
Dichlorodifluoromethane (Freon 12)	21	0.045		100	0.22	0.899	9/1/09 16:26	WSD
1,1-Dichloroethane	ND	0.045		ND	0.18	0.899	9/1/09 16:26	WSD
1,2-Dichloroethane	ND	0.045		ND	0.18	0.899	9/1/09 16:26	WSD
1,1-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 16:26	WSD
cis-1,2-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 16:26	WSD
trans-1,2-Dichloroethylene	ND	0.045		ND	0.18	0.899	9/1/09 16:26	WSD
1,2-Dichloropropane	ND	0.045		ND	0.21	0.899	9/1/09 16:26	WSD
cis-1,3-Dichloropropene	ND	0.045		ND	0.20	0.899	9/1/09 16:26	WSD
trans-1,3-Dichloropropene	ND	0.045		ND	0.20	0.899	9/1/09 16:26	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.045		ND	0.31	0.899	9/1/09 16:26	WSD
Ethanol	0.82	0.18		1.5	0.34	0.899	9/1/09 16:26	WSD
Ethyl Acetate	ND	0.045		ND	0.16	0.899	9/1/09 16:26	WSD
Ethylbenzene	0.077	0.045		0.34	0.20	0.899	9/1/09 16:26	WSD
4-Ethyltoluene	ND	0.045		ND	0.22	0.899	9/1/09 16:26	WSD
Heptane	0.093	0.045		0.38	0.18	0.899	9/1/09 16:26	WSD
Hexachlorobutadiene	ND	0.045		ND	0.48	0.899	9/1/09 16:26	WSD
Hexane	0.13	0.045		0.47	0.16	0.899	9/1/09 16:26	WSD
2-Hexanone (MBK)	0.31	0.045		1.3	0.18	0.899	9/1/09 16:26	WSD
Isopropanol	0.44	0.090		1.1	0.22	0.899	9/1/09 16:26	WSD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Bright Outdoors
Date Received: 8/28/2009
Field Sample #: FBO-SS-110
Sample ID: 09H0663-11
Sample Matrix: Sub Slab
Sampled: 8/27/2009 17:26

Sample Description/Location:
Sub Description/Location:
Canister ID: 1032
Canister Size:
Flow Controller ID: 3157
Sample Type:

Work Order: 09H0663
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Methyl tert-Butyl Ether (MTBE)	ND	0.045		ND	0.16	0.899	9/1/09 16:26	WSD
Methylene Chloride	ND	0.18		ND	0.62	0.899	9/1/09 16:26	WSD
4-Methyl-2-pentanone (MIBK)	7.8	0.045		32	0.18	0.899	9/1/09 16:26	WSD
Propene	ND	0.18		ND	0.31	0.899	9/1/09 16:26	WSD
Styrene	ND	0.045		ND	0.19	0.899	9/1/09 16:26	WSD
1,1,2,2-Tetrachloroethane	ND	0.045		ND	0.31	0.899	9/1/09 16:26	WSD
Tetrachloroethylene	0.54	0.045		3.7	0.30	0.899	9/1/09 16:26	WSD
Tetrahydrofuran	0.24	0.045		0.69	0.13	0.899	9/1/09 16:26	WSD
Toluene	0.30	0.045		1.1	0.17	0.899	9/1/09 16:26	WSD
1,2,4-Trichlorobenzene	ND	0.045		ND	0.33	0.899	9/1/09 16:26	WSD
1,1,1-Trichloroethane	2.0	0.045		11	0.25	0.899	9/1/09 16:26	WSD
1,1,2-Trichloroethane	ND	0.045		ND	0.25	0.899	9/1/09 16:26	WSD
Trichloroethylene	0.093	0.045		0.50	0.24	0.899	9/1/09 16:26	WSD
Trichlorofluoromethane (Freon 11)	0.34	0.045		1.9	0.25	0.899	9/1/09 16:26	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.076	0.045		0.58	0.34	0.899	9/1/09 16:26	WSD
1,2,4-Trimethylbenzene	0.20	0.045		0.97	0.22	0.899	9/1/09 16:26	WSD
1,3,5-Trimethylbenzene	0.053	0.045		0.26	0.22	0.899	9/1/09 16:26	WSD
Vinyl Acetate	ND	0.18		ND	0.63	0.899	9/1/09 16:26	WSD
Vinyl Chloride	ND	0.045		ND	0.11	0.899	9/1/09 16:26	WSD
m&p-Xylene	0.31	0.090		1.4	0.39	0.899	9/1/09 16:26	WSD
o-Xylene	0.12	0.045		0.50	0.20	0.899	9/1/09 16:26	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.1	70-130	9/1/09 16:26

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
09H0663-01 [FBO-SS-101]	B004395	1	1	N/A	1000	400	200	09/01/09
09H0663-01RE1 [FBO-SS-101]	B004395	2	1	N/A	1000	400	20	09/01/09
09H0663-02RE1 [FB0-SS-102]	B004395	2	100	10	1000	400	400	08/31/09
09H0663-03 [FBO-SS-103]	B004395	1	1	N/A	1000	400	200	09/01/09
09H0663-04 [FBO-SS-104]	B004395	1	1	N/A	1000	400	200	09/01/09
09H0663-05RE1 [FBO-SS-105]	B004395	2	100	10	1000	400	400	08/31/09
09H0663-06 [FBO-SS-106]	B004395	1	1	N/A	1000	400	200	09/01/09
09H0663-07 [FBO-SS-107]	B004395	1	1	N/A	1000	400	445	09/01/09
09H0663-08 [FBO-SS-108]	B004395	1	1	N/A	1000	400	445	09/01/09
09H0663-09 [FBO-SS-109]	B004395	1	1	N/A	1000	400	445	09/01/09
09H0663-10 [FBO-SS-109/Q]	B004395	1	1	N/A	1000	400	445	09/01/09
09H0663-11 [FBO-SS-110]	B004395	1	1	N/A	1000	400	445	09/01/09

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
09H0663-02 [FB0-SS-102]	B004396	1	1	N/A	1000	400	20	08/31/09
09H0663-03RE1 [FBO-SS-103]	B004396	1	1	N/A	1000	400	20	08/31/09
09H0663-04RE1 [FBO-SS-104]	B004396	1	1	N/A	1000	400	20	08/31/09
09H0663-05 [FBO-SS-105]	B004396	1	1	N/A	1000	400	20	08/31/09
09H0663-07RE1 [FBO-SS-107]	B004396	1	1	N/A	1000	400	20	08/31/09

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B004395 - TO-15 Prep											
Blank (B004395-BLK1)					Prepared & Analyzed: 09/01/09						
Acetone	ND	0.18									
Benzene	ND	0.045									
Benzyl chloride	ND	0.045									
Bromodichloromethane	ND	0.045									
Bromoform	ND	0.045									
Bromomethane	ND	0.045									
1,3-Butadiene	ND	0.090									
2-Butanone (MEK)	ND	0.090									
Carbon Disulfide	ND	0.045									
Carbon Tetrachloride	ND	0.045									
Chlorobenzene	ND	0.045									
Chloroethane	ND	0.045									
Chloroform	ND	0.045									
Chloromethane	ND	0.045									
Cyclohexane	ND	0.045									
Dibromochloromethane	ND	0.045									
1,2-Dibromoethane (EDB)	ND	0.045									
1,2-Dichlorobenzene	ND	0.045									
1,3-Dichlorobenzene	ND	0.045									
1,4-Dichlorobenzene	ND	0.045									
Dichlorodifluoromethane (Freon 12)	ND	0.045									
1,1-Dichloroethane	ND	0.045									
1,2-Dichloroethane	ND	0.045									
1,1-Dichloroethylene	ND	0.045									
cis-1,2-Dichloroethylene	ND	0.045									
trans-1,2-Dichloroethylene	ND	0.045									
1,2-Dichloropropane	ND	0.045									
cis-1,3-Dichloropropene	ND	0.045									
trans-1,3-Dichloropropene	ND	0.045									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.045									
Ethanol	ND	0.18									
Ethyl Acetate	ND	0.045									
Ethylbenzene	ND	0.045									
4-Ethyltoluene	ND	0.045									
Heptane	ND	0.045									
Hexachlorobutadiene	ND	0.045									
Hexane	ND	0.045									
2-Hexanone (MBK)	ND	0.045									
Isopropanol	ND	0.090									
Methyl tert-Butyl Ether (MTBE)	ND	0.045									
Methylene Chloride	ND	0.18									
4-Methyl-2-pentanone (MIBK)	ND	0.045									
Propene	ND	0.18									
Styrene	ND	0.045									
1,1,2,2-Tetrachloroethane	ND	0.045									
Tetrachloroethylene	ND	0.045									

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B004395 - TO-15 Prep											
Blank (B004395-BLK1)					Prepared & Analyzed: 09/01/09						
Tetrahydrofuran	ND	0.045									
Toluene	ND	0.045									
1,2,4-Trichlorobenzene	ND	0.045									
1,1,1-Trichloroethane	ND	0.045									
1,1,2-Trichloroethane	ND	0.045									
Trichloroethylene	ND	0.045									
Trichlorofluoromethane (Freon 11)	ND	0.045									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.045									
1,2,4-Trimethylbenzene	ND	0.045									
1,3,5-Trimethylbenzene	ND	0.045									
Vinyl Acetate	ND	0.18									
Vinyl Chloride	ND	0.045									
m&p-Xylene	ND	0.090									
o-Xylene	ND	0.045									
Surrogate: 4-Bromofluorobenzene (1)	*7.97*				*8.00*		*99.6*	*70-130*			
LCS (B004395-BS1)					Prepared & Analyzed: 09/01/09						
Acetone	4.94				5.00		98.9	50-150			
Benzene	4.64				5.00		92.9	70-130			
Benzyl chloride	5.97				5.00		119	70-130			
Bromodichloromethane	4.93				5.00		98.6	70-130			
Bromoform	5.58				5.00		112	70-130			
Bromomethane	4.76				5.00		95.3	70-130			
1,3-Butadiene	4.94				5.00		98.8	70-130			
2-Butanone (MEK)	4.24				5.00		84.8	70-130			
Carbon Disulfide	4.14				5.00		82.8	70-130			
Carbon Tetrachloride	4.54				5.00		90.8	70-130			
Chlorobenzene	4.80				5.00		96.0	70-130			
Chloroethane	5.07				5.00		101	70-130			
Chloroform	4.11				5.00		82.2	70-130			
Chloromethane	5.08				5.00		102	70-130			
Cyclohexane	5.22				5.00		104	70-130			
Dibromochloromethane	5.14				5.00		103	70-130			
1,2-Dibromoethane (EDB)	4.76				5.00		95.2	70-130			
1,2-Dichlorobenzene	5.04				5.00		101	70-130			
1,3-Dichlorobenzene	5.08				5.00		102	70-130			
1,4-Dichlorobenzene	5.11				5.00		102	70-130			
Dichlorodifluoromethane (Freon 12)	4.40				5.00		88.1	70-130			
1,1-Dichloroethane	4.12				5.00		82.5	70-130			
1,2-Dichloroethane	3.99				5.00		79.8	70-130			
1,1-Dichloroethylene	4.51				5.00		90.2	70-130			
cis-1,2-Dichloroethylene	4.30				5.00		85.9	70-130			
trans-1,2-Dichloroethylene	4.14				5.00		82.9	70-130			
1,2-Dichloropropane	4.82				5.00		96.4	70-130			
cis-1,3-Dichloropropene	4.82				5.00		96.3	70-130			
trans-1,3-Dichloropropene	4.86				5.00		97.2	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B004395 - TO-15 Prep											
LCS (B004395-BS1)					Prepared & Analyzed: 09/01/09						
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.69				5.00		93.8	70-130			
Ethanol	6.53				5.00		131	50-150			
Ethyl Acetate	5.12				5.00		102	50-150			
Ethylbenzene	5.01				5.00		100	70-130			
4-Ethyltoluene	5.50				5.00		110	50-150			
Heptane	5.37				5.00		107	50-150			
Hexachlorobutadiene	5.06				5.00		101	70-130			
Hexane	4.66				5.00		93.2	70-130			
2-Hexanone (MBK)	5.55				5.00		111	50-150			
Isopropanol	5.36				5.00		107	50-150			
Methyl tert-Butyl Ether (MTBE)	4.07				5.00		81.5	70-130			
Methylene Chloride	5.57				5.00		111	70-130			
4-Methyl-2-pentanone (MIBK)	5.81				5.00		116	70-130			
Propene	5.03				5.00		101	50-150			
Styrene	5.34				5.00		107	70-130			
1,1,2,2-Tetrachloroethane	5.45				5.00		109	70-130			
Tetrachloroethylene	4.49				5.00		89.8	70-130			
Tetrahydrofuran	5.00				5.00		100	50-150			
Toluene	4.86				5.00		97.1	70-130			
1,2,4-Trichlorobenzene	5.17				5.00		103	70-130			
1,1,1-Trichloroethane	4.39				5.00		87.7	70-130			
1,1,2-Trichloroethane	4.74				5.00		94.8	70-130			
Trichloroethylene	4.73				5.00		94.7	70-130			
Trichlorofluoromethane (Freon 11)	4.49				5.00		89.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.25				5.00		85.0	70-130			
1,2,4-Trimethylbenzene	5.24				5.00		105	70-130			
1,3,5-Trimethylbenzene	5.29				5.00		106	70-130			
Vinyl Acetate	4.43				5.00		88.5	70-130			
Vinyl Chloride	4.87				5.00		97.3	70-130			
m&p-Xylene	9.92				10.0		99.2	70-130			
o-Xylene	5.18				5.00		104	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.32*				*8.00*		*104*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B004395 - TO-15 Prep											
Duplicate (B004395-DUP1)		**Source: 09H0663-11**			Prepared & Analyzed: 09/01/09						
Acetone	9.7	0.045	23	0.11		9.3			4.14	25	
Benzene	0.099	0.045	0.32	0.14		0.096			2.76	25	
Benzyl chloride	ND	0.045	ND	0.23		ND				25	
Bromodichloromethane	ND	0.045	ND	0.30		ND				25	
Bromoform	ND	0.045	ND	0.46		ND				25	
Bromomethane	ND	0.045	ND	0.17		ND				25	
1,3-Butadiene	ND	0.090	ND	0.20		ND				25	
2-Butanone (MEK)	2.2	0.090	6.4	0.27		2.1			2.10	25	
Carbon Disulfide	0.52	0.045	1.6	0.14		0.47			10.8	25	
Carbon Tetrachloride	ND	0.045	ND	0.28		ND				25	
Chlorobenzene	ND	0.045	ND	0.21		ND				25	
Chloroethane	ND	0.045	ND	0.12		ND				25	
Chloroform	ND	0.045	ND	0.22		ND				25	
Chloromethane	ND	0.045	ND	0.093		ND				25	
Cyclohexane	ND	0.045	ND	0.15		ND				25	
Dibromochloromethane	ND	0.045	ND	0.38		ND				25	
1,2-Dibromoethane (EDB)	ND	0.045	ND	0.35		ND				25	
1,2-Dichlorobenzene	ND	0.045	ND	0.27		ND				25	
1,3-Dichlorobenzene	ND	0.045	ND	0.27		ND				25	
1,4-Dichlorobenzene	ND	0.045	ND	0.27		ND				25	
Dichlorodifluoromethane (Freon 12)	21	0.045	100	0.22		21			1.23	25	
1,1-Dichloroethane	ND	0.045	ND	0.18		ND				25	
1,2-Dichloroethane	ND	0.045	ND	0.18		ND				25	
1,1-Dichloroethylene	ND	0.045	ND	0.18		ND				25	
cis-1,2-Dichloroethylene	ND	0.045	ND	0.18		ND				25	
trans-1,2-Dichloroethylene	ND	0.045	ND	0.18		ND				25	
1,2-Dichloropropane	ND	0.045	ND	0.21		ND				25	
cis-1,3-Dichloropropene	ND	0.045	ND	0.20		ND				25	
trans-1,3-Dichloropropene	ND	0.045	ND	0.20		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.045	ND	0.31		ND				25	
Ethanol	1.4	0.18	2.6	0.34		0.82			49.3	25	R-01
Ethyl Acetate	ND	0.045	ND	0.16		ND				25	
Ethylbenzene	0.083	0.045	0.36	0.20		0.077			6.74	25	
4-Ethyltoluene	ND	0.045	ND	0.22		ND				25	
Heptane	0.10	0.045	0.41	0.18		0.093			7.48	25	
Hexachlorobutadiene	ND	0.045	ND	0.48		ND				25	
Hexane	0.14	0.045	0.48	0.16		0.13			1.99	25	
2-Hexanone (MBK)	0.32	0.045	1.3	0.18		0.31			3.40	25	
Isopropanol	0.45	0.090	1.1	0.22		0.44			4.44	25	
Methyl tert-Butyl Ether (MTBE)	ND	0.045	ND	0.16		ND				25	
Methylene Chloride	ND	0.18	ND	0.62		ND				25	
4-Methyl-2-pentanone (MIBK)	8.0	0.045	33	0.18		7.8			2.29	25	
Propene	ND	0.18	ND	0.31		ND				25	
Styrene	ND	0.045	ND	0.19		ND				25	
1,1,2,2-Tetrachloroethane	ND	0.045	ND	0.31		ND				25	
Tetrachloroethylene	0.57	0.045	3.8	0.30		0.54			5.04	25	

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B004395 - TO-15 Prep											
Duplicate (B004395-DUP1)			**Source: 09H0663-11**		Prepared & Analyzed: 09/01/09						
Tetrahydrofuran	0.14	0.045	0.40	0.13		0.24			53.8	25	R-01
Toluene	0.31	0.045	1.2	0.17		0.30			4.17	25	
1,2,4-Trichlorobenzene	ND	0.045	ND	0.33		ND				25	
1,1,1-Trichloroethane	2.1	0.045	11	0.25		2.0			2.33	25	
1,1,2-Trichloroethane	ND	0.045	ND	0.25		ND				25	
Trichloroethylene	0.096	0.045	0.52	0.24		0.093			3.81	25	
Trichlorofluoromethane (Freon 11)	0.35	0.045	1.9	0.25		0.34			0.784	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.081	0.045	0.62	0.34		0.076			6.90	25	
1,2,4-Trimethylbenzene	0.20	0.045	0.99	0.22		0.20			2.70	25	
1,3,5-Trimethylbenzene	0.056	0.045	0.27	0.22		0.053			4.96	25	
Vinyl Acetate	ND	0.18	ND	0.63		ND				25	
Vinyl Chloride	ND	0.045	ND	0.11		ND				25	
m&p-Xylene	0.32	0.090	1.4	0.39		0.31			2.00	25	
o-Xylene	0.13	0.045	0.56	0.20		0.12			11.1	25	
Surrogate: 4-Bromofluorobenzene (1)	*7.78*				*8.00*		*97.2*	*70-130*			
Batch B004396 - TO-15 Prep											
Blank (B004396-BLK1)					Prepared & Analyzed: 08/31/09						
Acetone	ND	0.14									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.070									
2-Butanone (MEK)	ND	0.070									
Carbon Disulfide	ND	0.035									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.035									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B004396 - TO-15 Prep											
Blank (B004396-BLK1)					Prepared & Analyzed: 08/31/09						
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
Ethanol	ND	0.14									
Ethyl Acetate	ND	0.035									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	0.035									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	0.070									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.14									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Propene	ND	0.14									
Styrene	ND	0.035									
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.035									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.035									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.035									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.14									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*7.82*				*8.00*		*97.7*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B004396 - TO-15 Prep											
LCS (B004396-BS1)					Prepared & Analyzed: 08/31/09						
Acetone	4.43				5.00		88.5	50-150			
Benzene	4.56				5.00		91.2	70-130			
Benzyl chloride	5.66				5.00		113	70-130			
Bromodichloromethane	4.77				5.00		95.5	70-130			
Bromoform	5.31				5.00		106	70-130			
Bromomethane	4.35				5.00		86.9	70-130			
1,3-Butadiene	4.61				5.00		92.3	70-130			
2-Butanone (MEK)	4.14				5.00		82.9	70-130			
Carbon Disulfide	4.04				5.00		80.7	70-130			
Carbon Tetrachloride	4.38				5.00		87.7	70-130			
Chlorobenzene	4.63				5.00		92.6	70-130			
Chloroethane	4.61				5.00		92.1	70-130			
Chloroform	4.00				5.00		80.1	70-130			
Chloromethane	4.62				5.00		92.4	70-130			
Cyclohexane	5.07				5.00		101	70-130			
Dibromochloromethane	5.01				5.00		100	70-130			
1,2-Dibromoethane (EDB)	4.66				5.00		93.3	70-130			
1,2-Dichlorobenzene	4.76				5.00		95.1	70-130			
1,3-Dichlorobenzene	4.80				5.00		95.9	70-130			
1,4-Dichlorobenzene	4.82				5.00		96.4	70-130			
Dichlorodifluoromethane (Freon 12)	3.96				5.00		79.2	70-130			
1,1-Dichloroethane	4.08				5.00		81.5	70-130			
1,2-Dichloroethane	3.85				5.00		77.0	70-130			
1,1-Dichloroethylene	4.21				5.00		84.2	70-130			
cis-1,2-Dichloroethylene	4.23				5.00		84.6	70-130			
trans-1,2-Dichloroethylene	4.09				5.00		81.8	70-130			
1,2-Dichloropropane	4.68				5.00		93.5	70-130			
cis-1,3-Dichloropropene	4.70				5.00		93.9	70-130			
trans-1,3-Dichloropropene	4.81				5.00		96.2	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.27				5.00		85.4	70-130			
Ethanol	5.88				5.00		118	50-150			
Ethyl Acetate	4.89				5.00		97.9	50-150			
Ethylbenzene	4.81				5.00		96.2	70-130			
4-Ethyltoluene	5.18				5.00		104	50-150			
Heptane	5.12				5.00		102	50-150			
Hexachlorobutadiene	4.58				5.00		91.5	70-130			
Hexane	4.47				5.00		89.5	70-130			
2-Hexanone (MBK)	5.39				5.00		108	50-150			
Isopropanol	5.06				5.00		101	50-150			
Methyl tert-Butyl Ether (MTBE)	4.12				5.00		82.3	70-130			
Methylene Chloride	5.15				5.00		103	70-130			
4-Methyl-2-pentanone (MIBK)	5.54				5.00		111	70-130			
Propene	4.67				5.00		93.4	50-150			
Styrene	5.11				5.00		102	70-130			
1,1,2,2-Tetrachloroethane	5.04				5.00		101	70-130			
Tetrachloroethylene	4.44				5.00		88.8	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B004396 - TO-15 Prep											
LCS (B004396-BS1)					Prepared & Analyzed: 08/31/09						
Tetrahydrofuran	4.88				5.00		97.6	50-150			
Toluene	4.74				5.00		94.8	70-130			
1,2,4-Trichlorobenzene	4.88				5.00		97.6	70-130			
1,1,1-Trichloroethane	4.26				5.00		85.2	70-130			
1,1,2-Trichloroethane	4.70				5.00		93.9	70-130			
Trichloroethylene	4.51				5.00		90.3	70-130			
Trichlorofluoromethane (Freon 11)	4.05				5.00		81.1	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.03				5.00		80.6	70-130			
1,2,4-Trimethylbenzene	4.98				5.00		99.7	70-130			
1,3,5-Trimethylbenzene	4.94				5.00		98.8	70-130			
Vinyl Acetate	4.30				5.00		86.1	70-130			
Vinyl Chloride	4.44				5.00		88.9	70-130			
m&p-Xylene	9.40				10.0		94.0	70-130			
o-Xylene	4.89				5.00		97.8	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.05*				*8.00*		*101*	*70-130*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
E	Reported result is estimated. Value reported over verified calibration range.
R-01	Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Benzene	AIHA,FL,NJ,NY
Benzyl chloride	AIHA,FL,NJ,NY
Bromodichloromethane	AIHA,NJ
Bromoform	AIHA,NJ
Bromomethane	AIHA,FL,NJ,NY
1,3-Butadiene	AIHA,NJ
2-Butanone (MEK)	AIHA,FL,NJ,NY
Carbon Disulfide	AIHA,NJ
Carbon Tetrachloride	AIHA,FL,NJ,NY
Chlorobenzene	AIHA,FL,NJ,NY
Chloroethane	AIHA,FL,NJ,NY
Chloroform	AIHA,FL,NJ,NY
Chloromethane	AIHA,FL,NJ,NY
Cyclohexane	AIHA,NJ
1,2-Dibromoethane (EDB)	AIHA,NJ
1,2-Dichlorobenzene	AIHA,FL,NJ,NY
1,3-Dichlorobenzene	AIHA,NJ
1,4-Dichlorobenzene	AIHA,FL,NJ,NY
1,1-Dichloroethane	AIHA,FL,NJ,NY
1,2-Dichloroethane	AIHA,FL,NJ,NY
1,1-Dichloroethylene	AIHA,FL,NJ,NY
cis-1,2-Dichloroethylene	AIHA,FL,NY
trans-1,2-Dichloroethylene	AIHA,NJ,NY
1,2-Dichloropropane	AIHA,FL,NJ,NY
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY
Ethylbenzene	AIHA,FL,NJ,NY
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ
Hexachlorobutadiene	AIHA,NJ
Hexane	AIHA,FL,NJ,NY
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY
Methylene Chloride	AIHA,FL,NJ,NY
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY
Styrene	AIHA,FL,NJ,NY
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY
Tetrachloroethylene	AIHA,FL,NJ,NY
Toluene	AIHA,FL,NJ,NY
1,2,4-Trichlorobenzene	AIHA,NJ
1,1,1-Trichloroethane	AIHA,FL,NJ,NY
1,1,2-Trichloroethane	AIHA,FL,NJ,NY
Trichloroethylene	AIHA,FL,NJ,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY
1,2,4-Trimethylbenzene	AIHA,NJ
1,3,5-Trimethylbenzene	AIHA,NJ
Vinyl Acetate	AIHA,FL,NJ,NY
Vinyl Chloride	AIHA,FL,NJ,NY
m&p-Xylene	AIHA,FL,NJ,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
o-Xylene	AIHA,FL,NJ,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2010
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2009
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2009
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

09H0663

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Company Name: Ecology and Environment
Address: 368 Pleasantview Dr
Lancaster, NY 14086
Attention: Rich Watt
Project Location: Bright Outdoors
Sampled By: [signature]

Telephone: (716) 684-8060
Project # 002700.ID21.02
Client PO #

DATA DELIVERY (check one):
☐ FAX ☐ EMAIL ☒ WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS Total Minutes Sampled	Flow Rate M³/Min. or L / Min.	Volume Liters or M³	Matrix Code*	ANALYSIS REQUESTED TO-15 VOCs	" Hg Initial pressure	" Hg Final pressure	Lab Receipt Pressure	Summa Canister ID	Flow Controller ID
	FBO-SS-101	S	09H0663-01	8-27-09 0825	8-27-09 1714			6	SS	X	-30	-13		1828	3259
	FBO-SS-102		-02	0829	1718						-30	-4		1279	3235
	FBO-SS-103		-03	0833	1718						-29	-8		1160	3049
	FBO-SS-104		-04	0836	1719						-30	-6		1785	3120
	FBO-SS-105		-05	0840	1720						-29.5	-6		1315	3292
	FBO-SS-106		-06	0845	1721						-30	-5		1723	3162
	FBO-SS-107		-07	0851	1722						-30	-9		1017	3220
	FBO-SS-108		-08	0921	1723						-29.5	-7		1318	3297

Please fill out completely, sign, date and retain the yellow copy for your record.
Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.
Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by: (signature)	Date/Time:
[signature]	8/27/09 18:00
Received by: (signature)	Date/Time:
[signature]	8/28/09 12:32
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required
*Prior contract

Special Requirements
Regulations:
Data Enhancement/RCP? ☐ Y ☐ N
Enhanced Data Package ☐ Y ☐ N
(Surchage Applies)
Required Detection Limits:
Other:

*Matrix Code:
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other

**Media Codes:
S=summa can
TB=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT

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AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Company Name: Ecology and Environment
Address: 368 Pleasantview Dr.
Lancaster, NY 14086
Attention: Rick Watt
Project Location: Bright Outdoors
Sampled By: [signature]

Telephone: (716) 684-8060
Project # 002700.ID21.02
Client PO # "

DATA DELIVERY (check one):
☐ FAX ☐ EMAIL ☒ WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS: Total Minutes Sampled	Flow Rate M³/Min. or L/Min.	Volume Liters or M³	Matrix Code*	ANALYSIS REQUESTED: TO-15 VOCs				" Hg: Initial pressure	" Hg: Final pressure	" Hg: Lab Receipt pressure	Summa Canister ID	Flow Controller ID
	FBO-SS-109	S	09H0663-08	8-27-09 0925	8-27-09 1726			6	SS	X				-30	-7		1739	3199
	FBO-SS-109/Q	↓	-10	0925	1726			↓	↓	↓				-30	-2		1298	3155
	FBO-SS-110	↓	-11	0931	1726			↓	↓	↓				-29	-9		1032	3157

Please fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:

CLIENT COMMENTS:
Please call/email prelim. results for client IDs # 109, 109/Q, 110 ASAP. Thanks.

Relinquished by: (signature)	Date/Time:
Received by: (signature) [signature]	Date/Time: 8/28/09 1232
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ** (Pre-approval required)
☐ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations:
Data Enhancement/RCP? ☐ Y ☐ N
Enhanced Data Package ☐ Y ☐ N
(Surchage Applies)
Required Detection Limits:
Other:

*Matrix Code:
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other

**Media Codes:
S=summa can
TB=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY THE CLIENT

Track Shipments

Tracking Detail

Your package has been delivered. To view Proof of Delivery, please select the link.

Tracking Number:	A3083017871
Status:	Delivered
Delivered On:	08/28/2009 12:32 P.M.
Signed By:	COLLINS
Location:	OFFICE
Delivered To:	EAST LONGMEADOW, MA, US
Type:	Package
Service:	NEXT DAY AIR SAVER

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East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: Ecology & Environment
RECEIVED BY: KM DATE: 08/28/09

1. Was chain of custody relinquished and signed? (YES) NO
2. Does Chain agree with samples? (YES) NO

If not, explain:

3. All Samples in good condition? (YES) NO

If not, explain:

4. Are there any on hold samples? YES (NO) STORED WHERE:

5. ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS NOTIFIED?_____DATE_____TIME_____

Location where samples are stored: AIR

Permission to sub-contract samples? Yes No (circle)
(Walk in clients only) if not already approved.
Client Signature_____

CONTAINERS SENT TO CON-TEST	# of containers
Summa cans	1L
Tedlar Bags	
Regulators	12
Restrictors	
Tubes	
Other Filters	1L

1. Was all media (used & unused) checked into the WASP asset management program? Y
2. Were all returned summa cans, restrictors, & regulators documented as returned in the AIR Lab Outbound excel sheet? Y
3. Were the Lab ID's documented in the Air Lab Outbound excel sheet? Y
4. Was the job documented in the Air Lab Log-In Access Database? Y

Laboratory comments:

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 4, 2009

Rich Watt
Ecology & Environment
368 Pleasant View Drive
Lancaster, NY 14086

Project Location: Bright Outdoors
Client Job Number:
Project Number: 002700.DC21.02 Bright Outdoors
Laboratory Work Order Number: 09H0708

Enclosed are results of analyses for samples received by the laboratory on August 28, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

T. Timothy Kelley
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Ecology & Environment
368 Pleasant View Drive
Lancaster, NY 14086
ATTN: Rich Watt

REPORT DATE: 9/4/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 002700.DC21.02 Bright Outdoors

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09H0708

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bright Outdoors

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FBO-MW-01	09H0708-01	Ground Water		SW-846 8260B	
FBO-MW-02	09H0708-02	Ground Water		SW-846 8260B	
FBO-MW-03	09H0708-03	Ground Water		SW-846 8260B	
FBO-MW-04	09H0708-04	Ground Water		SW-846 8260B	
FBO-MW-05	09H0708-05	Ground Water		SW-846 8260B	
FBO-MW-05/Q	09H0708-06	Ground Water		SW-846 8260B	
FBO-MW-06	09H0708-07	Ground Water		SW-846 8260B	
FBO-MW-07	09H0708-08	Ground Water		SW-846 8260B	
FBO-MW-08	09H0708-09	Ground Water		SW-846 8260B	
FBO-TB-20090827	09H0708-10	Trip Blank Water		SW-846 8260B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene

B004303-BS1, B004303-BSD1

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Bromomethane, Methylene Chloride

09H0708-01[FBO-MW-01], 09H0708-02[FBO-MW-02], 09H0708-03[FBO-MW-03], 09H0708-04[FBO-MW-04], 09H0708-05[FBO-MW-05], 09H0708-06[FBO-MW-05/Q], 09H0708-07[FBO-MW-06], 09H0708-08[FBO-MW-07], 09H0708-09[FBO-MW-08], 09H0708-10[FBO-TB-20090827], B004303-BLK1, B004303-BS1, B004303-BSD1, B004303-MS1, B004303-MSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. Analysis is in control.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene

B004303-BS1

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Bromomethane, Chloromethane, Dichlorodifluoromethane (Freon 12), Methylene Chloride, Vinyl Chloride

09H0708-01[FBO-MW-01], B004303-MS1, B004303-MSD1

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, Hexachlorobutadiene, Naphthalene

B004303-MS1, B004303-MSD1

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Bromomethane

09H0708-01[FBO-MW-01], B004303-MS1, B004303-MSD1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane, Methylene Chloride, Tetrahydrofuran

09H0708-01[FBO-MW-01], 09H0708-02[FBO-MW-02], 09H0708-03[FBO-MW-03], 09H0708-04[FBO-MW-04], 09H0708-05[FBO-MW-05], 09H0708-06[FBO-MW-05/Q], 09H0708-07[FBO-MW-06], 09H0708-08[FBO-MW-07], 09H0708-09[FBO-MW-08], 09H0708-10[FBO-TB-20090827], B004303-BLK1, B004303-BS1, B004303-BSD1, B004303-MS1, B004303-MSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, Bromomethane, Hexachlorobutadiene

B004303-BS1, B004303-BSD1, B004303-MS1, B004303-MSD1

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Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane

09H0708-01[FBO-MW-01], 09H0708-02[FBO-MW-02], 09H0708-03[FBO-MW-03], 09H0708-04[FBO-MW-04], 09H0708-05[FBO-MW-05], 09H0708-06[FBO-MW-05/Q], 09H0708-07[FBO-MW-06], 09H0708-08[FBO-MW-07], 09H0708-09[FBO-MW-08], 09H0708-10[FBO-TB-20090827], B004303-BLK1, B004303-BS1, B004303-BSD1, B004303-MS1, B004303-MSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Air Lab Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-01 | Sampled: 8/27/2009 11:59

Sample ID: 09H0708-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Bromomethane	ND	5.0	µg/L	1	L-04, MS-09, R-06	SW-846 8260B	9/1/09	9/1/09 18:18	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Carbon Disulfide	ND	6.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Chlorodibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Chloromethane	ND	2.0	µg/L	1	MS-09, V-05	SW-846 8260B	9/1/09	9/1/09 18:18	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	MS-09	SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-01 | Sampled: 8/27/2009 11:59

Sample ID: 09H0708-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Methylene Chloride	ND	5.0	µg/L	1	L-04, MS-09, V-05	SW-846 8260B	9/1/09	9/1/09 18:18	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Naphthalene	ND	3.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,1,1-Trichloroethane	6.7	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Trichloroethylene	1.7	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
Vinyl Chloride	ND	2.0	µg/L	1	MS-09	SW-846 8260B	9/1/09	9/1/09 18:18	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:18	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	89.1	70-130		9/1/09 18:18
Toluene-d8	103	70-130		9/1/09 18:18
4-Bromofluorobenzene	102	70-130		9/1/09 18:18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-02 | Sampled: 8/27/2009 14:02

Sample ID: 09H0708-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Bromomethane	ND	5.0	µg/L	1	L-04	SW-846 8260B	9/1/09	9/1/09 18:48	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Carbon Disulfide	ND	6.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Chlorodibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 18:48	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-02 | Sampled: 8/27/2009 14:02

Sample ID: 09H0708-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Methylene Chloride	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	9/1/09	9/1/09 18:48	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Naphthalene	ND	3.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,1,1-Trichloroethane	7.3	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Trichloroethylene	5.9	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 18:48	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	90.8	70-130		9/1/09 18:48
Toluene-d8	101	70-130		9/1/09 18:48
4-Bromofluorobenzene	104	70-130		9/1/09 18:48

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-03 | Sampled: 8/27/2009 15:54

Sample ID: 09H0708-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Bromomethane	ND	5.0	µg/L	1	L-04	SW-846 8260B	9/1/09	9/1/09 19:18	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Carbon Disulfide	ND	6.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Chlorodibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 19:18	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-03 | Sampled: 8/27/2009 15:54

Sample ID: 09H0708-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Methylene Chloride	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	9/1/09	9/1/09 19:18	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Naphthalene	ND	3.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,1,1-Trichloroethane	3.7	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Trichloroethylene	3.0	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:18	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	90.8	70-130		9/1/09 19:18
Toluene-d8	101	70-130		9/1/09 19:18
4-Bromofluorobenzene	102	70-130		9/1/09 19:18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-04 | Sampled: 8/27/2009 15:14

Sample ID: 09H0708-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Bromomethane	ND	5.0	µg/L	1	L-04	SW-846 8260B	9/1/09	9/1/09 19:49	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Carbon Disulfide	ND	6.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Chlorodibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 19:49	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-04 | Sampled: 8/27/2009 15:14

Sample ID: 09H0708-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Methylene Chloride	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	9/1/09	9/1/09 19:49	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Naphthalene	ND	3.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,1,1-Trichloroethane	2.3	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Trichloroethylene	3.2	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 19:49	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	90.3	70-130		9/1/09 19:49
Toluene-d8	103	70-130		9/1/09 19:49
4-Bromofluorobenzene	103	70-130		9/1/09 19:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-05 | Sampled: 8/27/2009 16:53

Sample ID: 09H0708-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Bromomethane	ND	5.0	µg/L	1	L-04	SW-846 8260B	9/1/09	9/1/09 20:19	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Carbon Disulfide	ND	6.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Chlorodibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 20:19	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,1-Dichloroethylene	8.2	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-05 | Sampled: 8/27/2009 16:53

Sample ID: 09H0708-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Methylene Chloride	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	9/1/09	9/1/09 20:19	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Naphthalene	ND	3.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,1,1-Trichloroethane	50	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Trichloroethylene	16	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:19	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	92.3	70-130		9/1/09 20:19
Toluene-d8	102	70-130		9/1/09 20:19
4-Bromofluorobenzene	102	70-130		9/1/09 20:19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-05/Q | Sampled: 8/27/2009 16:53

Sample ID: 09H0708-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Bromomethane	ND	5.0	µg/L	1	L-04	SW-846 8260B	9/1/09	9/1/09 20:49	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Carbon Disulfide	ND	6.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Chlorodibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 20:49	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,1-Dichloroethylene	8.1	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-05/Q | Sampled: 8/27/2009 16:53

Sample ID: 09H0708-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Methylene Chloride	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	9/1/09	9/1/09 20:49	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Naphthalene	ND	3.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,1,1-Trichloroethane	52	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Trichloroethylene	14	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 20:49	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	90.8	70-130		9/1/09 20:49
Toluene-d8	102	70-130		9/1/09 20:49
4-Bromofluorobenzene	99.2	70-130		9/1/09 20:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-06 | Sampled: 8/27/2009 16:25

Sample ID: 09H0708-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Bromomethane	ND	5.0	µg/L	1	L-04	SW-846 8260B	9/1/09	9/1/09 21:19	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Carbon Disulfide	ND	6.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Chlorodibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 21:19	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,1-Dichloroethylene	3.6	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-06 | Sampled: 8/27/2009 16:25

Sample ID: 09H0708-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Methylene Chloride	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	9/1/09	9/1/09 21:19	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Naphthalene	ND	3.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,1,1-Trichloroethane	20	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Trichloroethylene	11	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:19	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	88.8	70-130		9/1/09 21:19
Toluene-d8	103	70-130		9/1/09 21:19
4-Bromofluorobenzene	99.3	70-130		9/1/09 21:19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-07 | Sampled: 8/27/2009 09:55

Sample ID: 09H0708-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Bromomethane	ND	5.0	µg/L	1	L-04	SW-846 8260B	9/1/09	9/1/09 21:49	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Carbon Disulfide	ND	6.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Chlorodibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 21:49	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-07 | Sampled: 8/27/2009 09:55

Sample ID: 09H0708-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Methylene Chloride	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	9/1/09	9/1/09 21:49	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Naphthalene	ND	3.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 21:49	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	91.0	70-130		9/1/09 21:49
Toluene-d8	101	70-130		9/1/09 21:49
4-Bromofluorobenzene	102	70-130		9/1/09 21:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-08 | Sampled: 8/27/2009 12:44

Sample ID: 09H0708-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Bromomethane	ND	5.0	µg/L	1	L-04	SW-846 8260B	9/1/09	9/1/09 22:19	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Carbon Disulfide	ND	6.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Chlorodibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 22:19	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-MW-08 | Sampled: 8/27/2009 12:44

Sample ID: 09H0708-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Methylene Chloride	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	9/1/09	9/1/09 22:19	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Naphthalene	ND	3.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,1,1-Trichloroethane	5.3	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Trichloroethylene	19	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 22:19	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	88.9	70-130		9/1/09 22:19
Toluene-d8	99.7	70-130		9/1/09 22:19
4-Bromofluorobenzene	102	70-130		9/1/09 22:19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-TB-20090827 | Sampled: 8/27/2009 00:00

Sample ID: 09H0708-10

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Bromomethane	ND	5.0	µg/L	1	L-04	SW-846 8260B	9/1/09	9/1/09 16:40	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Carbon Disulfide	ND	6.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Chlorodibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 16:40	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bright Outdoors | Sample Description: | Work Order: 09H0708

Date Received: 8/28/2009

Field Sample #: FBO-TB-20090827 | Sampled: 8/27/2009 00:00

Sample ID: 09H0708-10

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Methylene Chloride	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	9/1/09	9/1/09 16:40	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Naphthalene	ND	3.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-05	SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	9/1/09	9/1/09 16:40	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	91.3	70-130		9/1/09 16:40
Toluene-d8	102	70-130		9/1/09 16:40
4-Bromofluorobenzene	102	70-130		9/1/09 16:40

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
09H0708-01 [FBO-MW-01]	B004303	5	5	09/01/09
09H0708-02 [FBO-MW-02]	B004303	5	5	09/01/09
09H0708-03 [FBO-MW-03]	B004303	5	5	09/01/09
09H0708-04 [FBO-MW-04]	B004303	5	5	09/01/09
09H0708-05 [FBO-MW-05]	B004303	5	5	09/01/09
09H0708-06 [FBO-MW-05/Q]	B004303	5	5	09/01/09
09H0708-07 [FBO-MW-06]	B004303	5	5	09/01/09
09H0708-08 [FBO-MW-07]	B004303	5	5	09/01/09
09H0708-09 [FBO-MW-08]	B004303	5	5	09/01/09
09H0708-10 [FBO-TB-20090827]	B004303	5	5	09/01/09

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B004303 - SW-846 5030B										
Blank (B004303-BLK1)				Prepared & Analyzed: 09/01/09						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	2.0	µg/L							
Bromomethane	ND	5.0	µg/L							L-04
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	6.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	1.0	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	1.0	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B004303 - SW-846 5030B												
Blank (B004303-BLK1)				Prepared & Analyzed: 09/01/09								
Methylene Chloride	ND	5.0	µg/L								L-04, V-05	
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L									
Naphthalene	ND	3.0	µg/L									
n-Propylbenzene	ND	1.0	µg/L									
Styrene	ND	1.0	µg/L									
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L									
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L									
Tetrachloroethylene	ND	1.0	µg/L									
Tetrahydrofuran	ND	10	µg/L								V-05	
Toluene	ND	1.0	µg/L									
1,2,3-Trichlorobenzene	ND	5.0	µg/L									
1,2,4-Trichlorobenzene	ND	1.0	µg/L									
1,3,5-Trichlorobenzene	ND	1.0	µg/L									
1,1,1-Trichloroethane	ND	1.0	µg/L									
1,1,2-Trichloroethane	ND	1.0	µg/L									
Trichloroethylene	ND	1.0	µg/L									
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L									
1,2,3-Trichloropropane	ND	2.0	µg/L									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L									
1,2,4-Trimethylbenzene	ND	1.0	µg/L									
1,3,5-Trimethylbenzene	ND	1.0	µg/L									
Vinyl Chloride	ND	2.0	µg/L									
m+p Xylene	ND	2.0	µg/L									
o-Xylene	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	22.9		µg/L	25.0		91.6		70-130				
Surrogate: Toluene-d8	25.8		µg/L	25.0		103		70-130				
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102		70-130				
LCS (B004303-BS1)				Prepared & Analyzed: 09/01/09								
Acetone	93.0	50	µg/L	100		93.0		70-160				†
Acrylonitrile	8.06	5.0	µg/L	10.0		80.6		70-130				
tert-Amyl Methyl Ether (TAME)	9.90	0.50	µg/L	10.0		99.0		70-130				
Benzene	9.26	1.0	µg/L	10.0		92.6		70-130				
Bromobenzene	9.32	1.0	µg/L	10.0		93.2		70-130				
Bromochloromethane	11.3	1.0	µg/L	10.0		113		70-130				
Bromodichloromethane	8.41	0.50	µg/L	10.0		84.1		70-130				
Bromoform	7.92	2.0	µg/L	10.0		79.2		70-130				
Bromomethane	3.57	5.0	µg/L	10.0		**35.7**	*	40-160			L-04, V-06	†
2-Butanone (MEK)	79.2	20	µg/L	100		79.2		40-160				†
tert-Butyl Alcohol (TBA)	79.2	20	µg/L	100		79.2		40-160				†
n-Butylbenzene	8.30	1.0	µg/L	10.0		83.0		70-130				
sec-Butylbenzene	9.42	1.0	µg/L	10.0		94.2		70-130				
tert-Butylbenzene	9.13	1.0	µg/L	10.0		91.3		70-130				
tert-Butyl Ethyl Ether (TBEE)	8.66	0.50	µg/L	10.0		86.6		70-130				
Carbon Disulfide	11.8	6.0	µg/L	10.0		118		70-130				
Carbon Tetrachloride	9.08	1.0	µg/L	10.0		90.8		70-130				
Chlorobenzene	10.2	1.0	µg/L	10.0		102		70-130				
Chlorodibromomethane	7.89	1.0	µg/L	10.0		78.9		70-130				
Chloroethane	10.1	2.0	µg/L	10.0		101		70-130				
Chloroform	8.71	2.0	µg/L	10.0		87.1		70-130				
Chloromethane	4.92	2.0	µg/L	10.0		49.2		40-160			V-05	†
2-Chlorotoluene	9.48	1.0	µg/L	10.0		94.8		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B004303 - SW-846 5030B												
LCS (B004303-BS1)				Prepared & Analyzed: 09/01/09								
4-Chlorotoluene	9.66	1.0	µg/L	10.0		96.6		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.93	5.0	µg/L	10.0		79.3		70-130				
1,2-Dibromoethane (EDB)	9.77	0.50	µg/L	10.0		97.7		70-130				
Dibromomethane	9.71	1.0	µg/L	10.0		97.1		70-130				
1,2-Dichlorobenzene	9.34	1.0	µg/L	10.0		93.4		70-130				
1,3-Dichlorobenzene	9.28	1.0	µg/L	10.0		92.8		70-130				
1,4-Dichlorobenzene	8.75	1.0	µg/L	10.0		87.5		70-130				
trans-1,4-Dichloro-2-butene	8.97	2.0	µg/L	10.0		89.7		70-130				
Dichlorodifluoromethane (Freon 12)	4.72	2.0	µg/L	10.0		47.2		40-160				†
1,1-Dichloroethane	9.17	1.0	µg/L	10.0		91.7		70-130				
1,2-Dichloroethane	8.77	1.0	µg/L	10.0		87.7		70-130				
1,1-Dichloroethylene	9.29	1.0	µg/L	10.0		92.9		70-130				
cis-1,2-Dichloroethylene	8.61	1.0	µg/L	10.0		86.1		70-130				
trans-1,2-Dichloroethylene	8.35	1.0	µg/L	10.0		83.5		70-130				
1,2-Dichloropropane	9.50	1.0	µg/L	10.0		95.0		70-130				
1,3-Dichloropropane	9.19	0.50	µg/L	10.0		91.9		70-130				
2,2-Dichloropropane	9.29	1.0	µg/L	10.0		92.9		40-130				†
1,1-Dichloropropene	9.20	2.0	µg/L	10.0		92.0		70-130				
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100		70-130				
trans-1,3-Dichloropropene	10.8	1.0	µg/L	10.0		108		70-130				
Diethyl Ether	9.37	2.0	µg/L	10.0		93.7		70-130				
Diisopropyl Ether (DIPE)	8.02	0.50	µg/L	10.0		80.2		70-130				
1,4-Dioxane	95.4	50	µg/L	100		95.4		40-130			V-16	†
Ethylbenzene	9.54	1.0	µg/L	10.0		95.4		70-130				
Hexachlorobutadiene	13.7	0.50	µg/L	10.0		**137**	*	70-130			L-07, V-06	
2-Hexanone (MBK)	89.7	10	µg/L	100		89.7		70-160				†
Isopropylbenzene (Cumene)	11.2	1.0	µg/L	10.0		112		70-130				
p-Isopropyltoluene (p-Cymene)	9.39	1.0	µg/L	10.0		93.9		70-130				
Methyl tert-Butyl Ether (MTBE)	9.02	1.0	µg/L	10.0		90.2		70-130				
Methylene Chloride	4.85	5.0	µg/L	10.0		**48.5**	*	70-130			L-04, V-05	
4-Methyl-2-pentanone (MIBK)	91.3	10	µg/L	100		91.3		70-160				†
Naphthalene	12.8	3.0	µg/L	10.0		128		40-130				†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Styrene	9.67	1.0	µg/L	10.0		96.7		70-130				
1,1,1,2-Tetrachloroethane	9.75	1.0	µg/L	10.0		97.5		70-130				
1,1,2,2-Tetrachloroethane	9.96	0.50	µg/L	10.0		99.6		70-130				
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-160				†
Tetrahydrofuran	8.70	10	µg/L	10.0		87.0		70-130			V-05	
Toluene	9.59	1.0	µg/L	10.0		95.9		70-130				
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.0		106		70-130				
1,2,4-Trichlorobenzene	15.3	1.0	µg/L	10.0		**153**	*	70-130			L-02, V-06	
1,3,5-Trichlorobenzene	9.65	1.0	µg/L	10.0		96.5		70-130				
1,1,1-Trichloroethane	9.44	1.0	µg/L	10.0		94.4		70-130				
1,1,2-Trichloroethane	9.59	1.0	µg/L	10.0		95.9		70-130				
Trichloroethylene	9.07	1.0	µg/L	10.0		90.7		70-130				
Trichlorofluoromethane (Freon 11)	9.35	2.0	µg/L	10.0		93.5		70-130				
1,2,3-Trichloropropane	8.03	2.0	µg/L	10.0		80.3		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109		70-130				
1,2,4-Trimethylbenzene	8.68	1.0	µg/L	10.0		86.8		70-130				
1,3,5-Trimethylbenzene	9.89	1.0	µg/L	10.0		98.9		70-130				
Vinyl Chloride	6.11	2.0	µg/L	10.0		61.1		40-160				†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B004303 - SW-846 5030B												
LCS (B004303-BS1)				Prepared & Analyzed: 09/01/09								
m+p Xylene	18.9	2.0	µg/L	20.0		94.4		70-130				
o-Xylene	9.58	1.0	µg/L	10.0		95.8		70-130				
Surrogate: 1,2-Dichloroethane-d4	22.7		µg/L	25.0		90.8		70-130				
Surrogate: Toluene-d8	25.8		µg/L	25.0		103		70-130				
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102		70-130				
LCS Dup (B004303-BSD1)				Prepared & Analyzed: 09/01/09								
Acetone	89.0	50	µg/L	100		89.0		70-160	4.44	25		†
Acrylonitrile	7.99	5.0	µg/L	10.0		79.9		70-130	0.872	25		
tert-Amyl Methyl Ether (TAME)	9.61	0.50	µg/L	10.0		96.1		70-130	2.97	25		
Benzene	8.51	1.0	µg/L	10.0		85.1		70-130	8.44	25		
Bromobenzene	8.55	1.0	µg/L	10.0		85.5		70-130	8.62	25		
Bromochloromethane	10.0	1.0	µg/L	10.0		100		70-130	12.1	25		
Bromodichloromethane	7.74	0.50	µg/L	10.0		77.4		70-130	8.30	25		
Bromoform	7.55	2.0	µg/L	10.0		75.5		70-130	4.78	25		
Bromomethane	3.86	5.0	µg/L	10.0		**38.6**	*	40-160	7.81	25	L-04, V-06	†
2-Butanone (MEK)	76.6	20	µg/L	100		76.6		40-160	3.36	25		†
tert-Butyl Alcohol (TBA)	77.2	20	µg/L	100		77.2		40-160	2.58	25		†
n-Butylbenzene	7.84	1.0	µg/L	10.0		78.4		70-130	5.70	25		
sec-Butylbenzene	8.26	1.0	µg/L	10.0		82.6		70-130	13.1	25		
tert-Butylbenzene	8.30	1.0	µg/L	10.0		83.0		70-130	9.52	25		
tert-Butyl Ethyl Ether (TBEE)	8.28	0.50	µg/L	10.0		82.8		70-130	4.49	25		
Carbon Disulfide	11.0	6.0	µg/L	10.0		110		70-130	6.66	25		
Carbon Tetrachloride	8.11	1.0	µg/L	10.0		81.1		70-130	11.3	25		
Chlorobenzene	9.21	1.0	µg/L	10.0		92.1		70-130	10.2	25		
Chlorodibromomethane	7.81	1.0	µg/L	10.0		78.1		70-130	1.02	25		
Chloroethane	9.24	2.0	µg/L	10.0		92.4		70-130	8.99	25		
Chloroform	8.30	2.0	µg/L	10.0		83.0		70-130	4.82	25		
Chloromethane	4.33	2.0	µg/L	10.0		43.3		40-160	12.8	25	V-05	†
2-Chlorotoluene	8.46	1.0	µg/L	10.0		84.6		70-130	11.4	25		
4-Chlorotoluene	8.86	1.0	µg/L	10.0		88.6		70-130	8.64	25		
1,2-Dibromo-3-chloropropane (DBCP)	7.73	5.0	µg/L	10.0		77.3		70-130	2.55	25		
1,2-Dibromoethane (EDB)	9.30	0.50	µg/L	10.0		93.0		70-130	4.93	25		
Dibromomethane	9.14	1.0	µg/L	10.0		91.4		70-130	6.05	25		
1,2-Dichlorobenzene	8.53	1.0	µg/L	10.0		85.3		70-130	9.07	25		
1,3-Dichlorobenzene	8.64	1.0	µg/L	10.0		86.4		70-130	7.14	25		
1,4-Dichlorobenzene	8.07	1.0	µg/L	10.0		80.7		70-130	8.09	25		
trans-1,4-Dichloro-2-butene	8.00	2.0	µg/L	10.0		80.0		70-130	11.4	25		
Dichlorodifluoromethane (Freon 12)	4.47	2.0	µg/L	10.0		44.7		40-160	5.44	25		†
1,1-Dichloroethane	8.37	1.0	µg/L	10.0		83.7		70-130	9.12	25		
1,2-Dichloroethane	8.61	1.0	µg/L	10.0		86.1		70-130	1.84	25		
1,1-Dichloroethylene	8.79	1.0	µg/L	10.0		87.9		70-130	5.53	25		
cis-1,2-Dichloroethylene	7.94	1.0	µg/L	10.0		79.4		70-130	8.10	25		
trans-1,2-Dichloroethylene	8.03	1.0	µg/L	10.0		80.3		70-130	3.91	25		
1,2-Dichloropropane	8.82	1.0	µg/L	10.0		88.2		70-130	7.42	25		
1,3-Dichloropropane	8.97	0.50	µg/L	10.0		89.7		70-130	2.42	25		
2,2-Dichloropropane	9.01	1.0	µg/L	10.0		90.1		40-130	3.06	25		†
1,1-Dichloropropene	8.27	2.0	µg/L	10.0		82.7		70-130	10.6	25		
cis-1,3-Dichloropropene	9.40	0.50	µg/L	10.0		94.0		70-130	6.68	25		
trans-1,3-Dichloropropene	10.3	1.0	µg/L	10.0		103		70-130	5.20	25		
Diethyl Ether	9.19	2.0	µg/L	10.0		91.9		70-130	1.94	25		
Diisopropyl Ether (DIPE)	7.82	0.50	µg/L	10.0		78.2		70-130	2.53	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B004303 - SW-846 5030B												
LCS Dup (B004303-BSD1)				Prepared & Analyzed: 09/01/09								
1,4-Dioxane	95.0	50	µg/L	100		95.0		40-130	0.368	50	V-16	† ‡
Ethylbenzene	8.61	1.0	µg/L	10.0		86.1		70-130	10.2	25		
Hexachlorobutadiene	11.5	0.50	µg/L	10.0		115		70-130	17.5	25	V-06	
2-Hexanone (MBK)	84.9	10	µg/L	100		84.9		70-160	5.59	25		†
Isopropylbenzene (Cumene)	10.0	1.0	µg/L	10.0		100		70-130	10.7	25		
p-Isopropyltoluene (p-Cymene)	8.55	1.0	µg/L	10.0		85.5		70-130	9.36	25		
Methyl tert-Butyl Ether (MTBE)	8.89	1.0	µg/L	10.0		88.9		70-130	1.45	25		
Methylene Chloride	4.56	5.0	µg/L	10.0		**45.6**	*	70-130	6.16	25	L-04, V-05	
4-Methyl-2-pentanone (MIBK)	86.4	10	µg/L	100		86.4		70-160	5.45	25		†
Naphthalene	11.3	3.0	µg/L	10.0		113		40-130	13.0	25		†
n-Propylbenzene	9.14	1.0	µg/L	10.0		91.4		70-130	10.1	25		
Styrene	9.03	1.0	µg/L	10.0		90.3		70-130	6.84	25		
1,1,1,2-Tetrachloroethane	9.14	1.0	µg/L	10.0		91.4		70-130	6.46	25		
1,1,2,2-Tetrachloroethane	9.21	0.50	µg/L	10.0		92.1		70-130	7.82	25		
Tetrachloroethylene	9.54	1.0	µg/L	10.0		95.4		70-160	8.91	25		†
Tetrahydrofuran	8.20	10	µg/L	10.0		82.0		70-130	5.92	25	V-05	
Toluene	8.89	1.0	µg/L	10.0		88.9		70-130	7.58	25		
1,2,3-Trichlorobenzene	9.12	5.0	µg/L	10.0		91.2		70-130	14.8	25		
1,2,4-Trichlorobenzene	13.4	1.0	µg/L	10.0		**134**	*	70-130	13.2	25	V-06, L-02	
1,3,5-Trichlorobenzene	9.10	1.0	µg/L	10.0		91.0		70-130	5.87	25		
1,1,1-Trichloroethane	8.57	1.0	µg/L	10.0		85.7		70-130	9.66	25		
1,1,2-Trichloroethane	9.39	1.0	µg/L	10.0		93.9		70-130	2.11	25		
Trichloroethylene	8.59	1.0	µg/L	10.0		85.9		70-130	5.44	25		
Trichlorofluoromethane (Freon 11)	8.77	2.0	µg/L	10.0		87.7		70-130	6.40	25		
1,2,3-Trichloropropane	7.52	2.0	µg/L	10.0		75.2		70-130	6.56	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102		70-130	6.43	25		
1,2,4-Trimethylbenzene	8.27	1.0	µg/L	10.0		82.7		70-130	4.84	25		
1,3,5-Trimethylbenzene	8.92	1.0	µg/L	10.0		89.2		70-130	10.3	25		
Vinyl Chloride	5.45	2.0	µg/L	10.0		54.5		40-160	11.4	25		†
m+p Xylene	17.4	2.0	µg/L	20.0		87.1		70-130	8.04	25		
o-Xylene	8.71	1.0	µg/L	10.0		87.1		70-130	9.51	25		
Surrogate: 1,2-Dichloroethane-d4	22.1		µg/L	25.0		88.4		70-130				
Surrogate: Toluene-d8	25.9		µg/L	25.0		104		70-130				
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102		70-130				
Matrix Spike (B004303-MS1)		**Source: 09H0708-01**		Prepared & Analyzed: 09/01/09								
Acetone	92.6	50	µg/L	100	ND	92.6		70-130				
Acrylonitrile	8.14	5.0	µg/L	10.0	ND	81.4		70-130				
tert-Amyl Methyl Ether (TAME)	9.96	0.50	µg/L	10.0	ND	99.6		70-130				
Benzene	9.81	1.0	µg/L	10.0	ND	98.1		70-130				
Bromobenzene	9.77	1.0	µg/L	10.0	ND	97.7		70-130				
Bromochloromethane	10.2	1.0	µg/L	10.0	ND	102		70-130				
Bromodichloromethane	8.56	0.50	µg/L	10.0	ND	85.6		70-130				
Bromoform	7.60	2.0	µg/L	10.0	ND	76.0		70-130				
Bromomethane	2.50	5.0	µg/L	10.0	ND	**25.0**	*	70-130			L-04, MS-09, R-06	
2-Butanone (MEK)	79.4	20	µg/L	100	ND	79.4		70-130				
tert-Butyl Alcohol (TBA)	89.6	20	µg/L	100	ND	89.6		70-130				
n-Butylbenzene	9.20	1.0	µg/L	10.0	ND	92.0		70-130				
sec-Butylbenzene	10.2	1.0	µg/L	10.0	ND	102		70-130				
tert-Butylbenzene	9.55	1.0	µg/L	10.0	ND	95.5		70-130				
tert-Butyl Ethyl Ether (TBEE)	9.09	0.50	µg/L	10.0	ND	90.9		70-130				
Carbon Disulfide	11.9	6.0	µg/L	10.0	ND	119		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B004303 - SW-846 5030B											
Matrix Spike (B004303-MS1)		**Source: 09H0708-01**		Prepared & Analyzed: 09/01/09							
Carbon Tetrachloride	10.2	1.0	µg/L	10.0	ND	102		70-130			
Chlorobenzene	10.5	1.0	µg/L	10.0	ND	105		70-130			
Chlorodibromomethane	8.19	1.0	µg/L	10.0	ND	81.9		70-130			
Chloroethane	10.9	2.0	µg/L	10.0	ND	109		70-130			
Chloroform	9.22	2.0	µg/L	10.0	ND	92.2		70-130			
Chloromethane	5.43	2.0	µg/L	10.0	ND	**54.3**	*	70-130			MS-09, V-05
2-Chlorotoluene	10.3	1.0	µg/L	10.0	ND	103		70-130			
4-Chlorotoluene	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.25	5.0	µg/L	10.0	ND	72.5		70-130			
1,2-Dibromoethane (EDB)	9.39	0.50	µg/L	10.0	ND	93.9		70-130			
Dibromomethane	9.71	1.0	µg/L	10.0	ND	97.1		70-130			
1,2-Dichlorobenzene	9.61	1.0	µg/L	10.0	ND	96.1		70-130			
1,3-Dichlorobenzene	9.42	1.0	µg/L	10.0	ND	94.2		70-130			
1,4-Dichlorobenzene	8.82	1.0	µg/L	10.0	ND	88.2		70-130			
trans-1,4-Dichloro-2-butene	8.13	2.0	µg/L	10.0	ND	81.3		70-130			
Dichlorodifluoromethane (Freon 12)	5.70	2.0	µg/L	10.0	ND	**57.0**	*	70-130			MS-09
1,1-Dichloroethane	10.0	1.0	µg/L	10.0	ND	100		70-130			
1,2-Dichloroethane	9.31	1.0	µg/L	10.0	ND	93.1		70-130			
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0	ND	112		70-130			
cis-1,2-Dichloroethylene	9.34	1.0	µg/L	10.0	ND	93.4		70-130			
trans-1,2-Dichloroethylene	9.41	1.0	µg/L	10.0	ND	94.1		70-130			
1,2-Dichloropropane	10.1	1.0	µg/L	10.0	ND	101		70-130			
1,3-Dichloropropane	9.38	0.50	µg/L	10.0	ND	93.8		70-130			
2,2-Dichloropropane	9.21	1.0	µg/L	10.0	ND	92.1		70-130			
1,1-Dichloropropene	10.5	2.0	µg/L	10.0	ND	105		70-130			
cis-1,3-Dichloropropene	9.94	0.50	µg/L	10.0	ND	99.4		70-130			
trans-1,3-Dichloropropene	10.5	1.0	µg/L	10.0	ND	105		70-130			
Diethyl Ether	10.3	2.0	µg/L	10.0	ND	103		70-130			
Diisopropyl Ether (DIPE)	8.52	0.50	µg/L	10.0	ND	85.2		70-130			
1,4-Dioxane	105	50	µg/L	100	ND	105		70-130			V-16
Ethylbenzene	10.4	1.0	µg/L	10.0	ND	104		70-130			
Hexachlorobutadiene	17.2	0.50	µg/L	10.0	ND	**172**	*	70-130			MS-12
2-Hexanone (MBK)	90.1	10	µg/L	100	ND	90.1		70-130			
Isopropylbenzene (Cumene)	12.4	1.0	µg/L	10.0	ND	124		70-130			
p-Isopropyltoluene (p-Cymene)	9.71	1.0	µg/L	10.0	ND	97.1		70-130			
Methyl tert-Butyl Ether (MTBE)	9.28	1.0	µg/L	10.0	ND	92.8		70-130			
Methylene Chloride	5.61	5.0	µg/L	10.0	ND	**56.1**	*	70-130			L-04, MS-09, V-05
4-Methyl-2-pentanone (MIBK)	92.3	10	µg/L	100	ND	92.3		70-130			
Naphthalene	17.5	3.0	µg/L	10.0	ND	**175**	*	70-130			MS-12
n-Propylbenzene	10.9	1.0	µg/L	10.0	ND	109		70-130			
Styrene	10.5	1.0	µg/L	10.0	ND	105		70-130			
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0	ND	102		70-130			
1,1,2,2-Tetrachloroethane	10.0	0.50	µg/L	10.0	ND	100		70-130			
Tetrachloroethylene	11.5	1.0	µg/L	10.0	ND	115		70-130			
Tetrahydrofuran	8.65	10	µg/L	10.0	ND	86.5		70-130			V-05
Toluene	10.3	1.0	µg/L	10.0	ND	103		70-130			
1,2,3-Trichlorobenzene	12.2	5.0	µg/L	10.0	ND	122		70-130			
1,2,4-Trichlorobenzene	19.4	1.0	µg/L	10.0	ND	**194**	*	70-130			MS-12, V-06
1,3,5-Trichlorobenzene	10.2	1.0	µg/L	10.0	ND	102		70-130			
1,1,1-Trichloroethane	17.8	1.0	µg/L	10.0	6.70	111		70-130			
1,1,2-Trichloroethane	9.61	1.0	µg/L	10.0	ND	96.1		70-130			
Trichloroethylene	11.9	1.0	µg/L	10.0	1.71	102		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B004303 - SW-846 5030B												
Matrix Spike (B004303-MS1)		**Source: 09H0708-01**		Prepared & Analyzed: 09/01/09								
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.0	ND	108		70-130				
1,2,3-Trichloropropane	8.55	2.0	µg/L	10.0	ND	85.5		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.4	1.0	µg/L	10.0	ND	124		70-130				
1,2,4-Trimethylbenzene	9.14	1.0	µg/L	10.0	ND	91.4		70-130				
1,3,5-Trimethylbenzene	10.9	1.0	µg/L	10.0	ND	109		70-130				
Vinyl Chloride	6.78	2.0	µg/L	10.0	ND	**67.8**	*	70-130				MS-09
m+p Xylene	20.9	2.0	µg/L	20.0	ND	104		70-130				
o-Xylene	10.6	1.0	µg/L	10.0	ND	106		70-130				
Surrogate: 1,2-Dichloroethane-d4	22.9		µg/L	25.0		91.6		70-130				
Surrogate: Toluene-d8	25.6		µg/L	25.0		103		70-130				
Surrogate: 4-Bromofluorobenzene	26.5		µg/L	25.0		106		70-130				
Matrix Spike Dup (B004303-MSD1)		**Source: 09H0708-01**		Prepared & Analyzed: 09/01/09								
Acetone	86.6	50	µg/L	100	ND	86.6		70-130	6.73		30	
Acrylonitrile	8.24	5.0	µg/L	10.0	ND	82.4		70-130	1.22		30	
tert-Amyl Methyl Ether (TAME)	10.0	0.50	µg/L	10.0	ND	100		70-130	0.401		30	
Benzene	10.0	1.0	µg/L	10.0	ND	100		70-130	2.22		30	
Bromobenzene	9.84	1.0	µg/L	10.0	ND	98.4		70-130	0.714		30	
Bromochloromethane	10.4	1.0	µg/L	10.0	ND	104		70-130	2.33		30	
Bromodichloromethane	8.73	0.50	µg/L	10.0	ND	87.3		70-130	1.97		30	
Bromoform	7.96	2.0	µg/L	10.0	ND	79.6		70-130	4.63		30	
Bromomethane	4.30	5.0	µg/L	10.0	ND	**43.0**	*	70-130	**52.9**	*	30	L-04, MS-09, R-06
2-Butanone (MEK)	77.0	20	µg/L	100	ND	77.0		70-130	3.08		30	
tert-Butyl Alcohol (TBA)	88.2	20	µg/L	100	ND	88.2		70-130	1.52		30	
n-Butylbenzene	9.40	1.0	µg/L	10.0	ND	94.0		70-130	2.15		30	
sec-Butylbenzene	10.2	1.0	µg/L	10.0	ND	102		70-130	0.00		30	
tert-Butylbenzene	9.82	1.0	µg/L	10.0	ND	98.2		70-130	2.79		30	
tert-Butyl Ethyl Ether (TBEE)	9.14	0.50	µg/L	10.0	ND	91.4		70-130	0.549		30	
Carbon Disulfide	12.3	6.0	µg/L	10.0	ND	123		70-130	3.55		30	
Carbon Tetrachloride	10.7	1.0	µg/L	10.0	ND	107		70-130	4.30		30	
Chlorobenzene	10.9	1.0	µg/L	10.0	ND	109		70-130	3.08		30	
Chlorodibromomethane	8.14	1.0	µg/L	10.0	ND	81.4		70-130	0.612		30	
Chloroethane	11.3	2.0	µg/L	10.0	ND	113		70-130	3.24		30	
Chloroform	9.47	2.0	µg/L	10.0	ND	94.7		70-130	2.68		30	
Chloromethane	5.71	2.0	µg/L	10.0	ND	**57.1**	*	70-130	5.03		30	MS-09, V-05
2-Chlorotoluene	10.3	1.0	µg/L	10.0	ND	103		70-130	0.0972		30	
4-Chlorotoluene	10.5	1.0	µg/L	10.0	ND	105		70-130	1.14		30	
1,2-Dibromo-3-chloropropane (DBCP)	8.00	5.0	µg/L	10.0	ND	80.0		70-130	9.84		30	
1,2-Dibromoethane (EDB)	9.65	0.50	µg/L	10.0	ND	96.5		70-130	2.73		30	
Dibromomethane	10.2	1.0	µg/L	10.0	ND	102		70-130	4.92		30	
1,2-Dichlorobenzene	9.64	1.0	µg/L	10.0	ND	96.4		70-130	0.312		30	
1,3-Dichlorobenzene	9.95	1.0	µg/L	10.0	ND	99.5		70-130	5.47		30	
1,4-Dichlorobenzene	8.83	1.0	µg/L	10.0	ND	88.3		70-130	0.113		30	
trans-1,4-Dichloro-2-butene	7.79	2.0	µg/L	10.0	ND	77.9		70-130	4.27		30	
Dichlorodifluoromethane (Freon 12)	5.82	2.0	µg/L	10.0	ND	**58.2**	*	70-130	2.08		30	MS-09
1,1-Dichloroethane	10.2	1.0	µg/L	10.0	ND	102		70-130	1.88		30	
1,2-Dichloroethane	9.42	1.0	µg/L	10.0	ND	94.2		70-130	1.17		30	
1,1-Dichloroethylene	11.4	1.0	µg/L	10.0	ND	114		70-130	2.03		30	
cis-1,2-Dichloroethylene	9.92	1.0	µg/L	10.0	ND	99.2		70-130	6.02		30	
trans-1,2-Dichloroethylene	9.64	1.0	µg/L	10.0	ND	96.4		70-130	2.41		30	
1,2-Dichloropropane	10.2	1.0	µg/L	10.0	ND	102		70-130	1.08		30	
1,3-Dichloropropane	9.79	0.50	µg/L	10.0	ND	97.9		70-130	4.28		30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B004303 - SW-846 5030B											
Matrix Spike Dup (B004303-MSD1)	**Source: 09H0708-01**			Prepared & Analyzed: 09/01/09							
2,2-Dichloropropane	9.30	1.0	µg/L	10.0	ND	93.0		70-130	0.972	30	
1,1-Dichloropropene	10.7	2.0	µg/L	10.0	ND	107		70-130	1.61	30	
cis-1,3-Dichloropropene	9.96	0.50	µg/L	10.0	ND	99.6		70-130	0.201	30	
trans-1,3-Dichloropropene	10.7	1.0	µg/L	10.0	ND	107		70-130	1.69	30	
Diethyl Ether	10.5	2.0	µg/L	10.0	ND	105		70-130	1.83	30	
Diisopropyl Ether (DIPE)	8.61	0.50	µg/L	10.0	ND	86.1		70-130	1.05	30	
1,4-Dioxane	108	50	µg/L	100	ND	108		70-130	2.79	30	V-16
Ethylbenzene	10.4	1.0	µg/L	10.0	ND	104		70-130	0.0962	30	
Hexachlorobutadiene	15.4	0.50	µg/L	10.0	ND	**154**	*	70-130	11.3	30	MS-12
2-Hexanone (MBK)	89.9	10	µg/L	100	ND	89.9		70-130	0.278	30	
Isopropylbenzene (Cumene)	12.3	1.0	µg/L	10.0	ND	123		70-130	0.487	30	
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0	ND	100		70-130	2.94	30	
Methyl tert-Butyl Ether (MTBE)	9.39	1.0	µg/L	10.0	ND	93.9		70-130	1.18	30	
Methylene Chloride	6.03	5.0	µg/L	10.0	ND	**60.3**	*	70-130	7.22	30	L-04, MS-09, V-05
4-Methyl-2-pentanone (MIBK)	90.0	10	µg/L	100	ND	90.0		70-130	2.57	30	
Naphthalene	13.9	3.0	µg/L	10.0	ND	**139**	*	70-130	22.6	30	MS-12
n-Propylbenzene	10.8	1.0	µg/L	10.0	ND	108		70-130	0.184	30	
Styrene	10.5	1.0	µg/L	10.0	ND	105		70-130	0.191	30	
1,1,1,2-Tetrachloroethane	10.3	1.0	µg/L	10.0	ND	103		70-130	0.782	30	
1,1,2,2-Tetrachloroethane	9.47	0.50	µg/L	10.0	ND	94.7		70-130	5.44	30	
Tetrachloroethylene	11.6	1.0	µg/L	10.0	ND	116		70-130	0.954	30	
Tetrahydrofuran	7.53	10	µg/L	10.0	ND	75.3		70-130	13.8	30	V-05
Toluene	10.7	1.0	µg/L	10.0	ND	107		70-130	3.89	30	
1,2,3-Trichlorobenzene	11.4	5.0	µg/L	10.0	ND	114		70-130	7.13	30	
1,2,4-Trichlorobenzene	17.9	1.0	µg/L	10.0	ND	**179**	*	70-130	8.30	30	MS-12, V-06
1,3,5-Trichlorobenzene	9.98	1.0	µg/L	10.0	ND	99.8		70-130	2.28	30	
1,1,1-Trichloroethane	18.1	1.0	µg/L	10.0	6.70	114		70-130	1.51	30	
1,1,2-Trichloroethane	9.39	1.0	µg/L	10.0	ND	93.9		70-130	2.32	30	
Trichloroethylene	11.7	1.0	µg/L	10.0	1.71	100		70-130	1.86	30	
Trichlorofluoromethane (Freon 11)	11.6	2.0	µg/L	10.0	ND	116		70-130	7.94	30	
1,2,3-Trichloropropane	8.29	2.0	µg/L	10.0	ND	82.9		70-130	3.09	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.8	1.0	µg/L	10.0	ND	128		70-130	3.09	30	
1,2,4-Trimethylbenzene	9.25	1.0	µg/L	10.0	ND	92.5		70-130	1.20	30	
1,3,5-Trimethylbenzene	11.0	1.0	µg/L	10.0	ND	110		70-130	1.18	30	
Vinyl Chloride	6.88	2.0	µg/L	10.0	ND	**68.8**	*	70-130	1.46	30	MS-09
m+p Xylene	21.0	2.0	µg/L	20.0	ND	105		70-130	0.621	20	
o-Xylene	10.6	1.0	µg/L	10.0	ND	106		70-130	0.473	30	
Surrogate: 1,2-Dichloroethane-d4	22.6		µg/L	25.0		90.6		70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	25.8		µg/L	25.0		103		70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. Analysis is in control.
MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-12	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Water	
Acetone	CT,NH,NY
Acrylonitrile	CT,NY,RI
tert-Amyl Methyl Ether (TAME)	NH,NY
Benzene	CT,NH,NY,RI
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY,RI
Bromoform	CT,NH,NY,RI
Bromomethane	CT,NH,NY,RI
2-Butanone (MEK)	CT,NH,NY
tert-Butyl Alcohol (TBA)	NH,NY
n-Butylbenzene	NY
sec-Butylbenzene	NY
tert-Butylbenzene	NY
tert-Butyl Ethyl Ether (TBEE)	NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY,RI
Chlorobenzene	CT,NH,NY,RI
Chlorodibromomethane	CT,NH,NY,RI
Chloroethane	CT,NH,NY,RI
Chloroform	CT,NH,NY,RI
Chloromethane	CT,NH,NY,RI
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NY,RI
1,3-Dichlorobenzene	CT,NH,NY,RI
1,4-Dichlorobenzene	CT,NH,NY,RI
trans-1,4-Dichloro-2-butene	NH,NY
Dichlorodifluoromethane (Freon 12)	NH,NY,RI
1,1-Dichloroethane	CT,NH,NY,RI
1,2-Dichloroethane	CT,NH,NY,RI
1,1-Dichloroethylene	CT,NH,NY,RI
trans-1,2-Dichloroethylene	CT,NH,NY,RI
1,2-Dichloropropane	CT,NH,NY,RI
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY,RI
trans-1,3-Dichloropropene	CT,NH,NY,RI
Diisopropyl Ether (DIPE)	NH,NY
Ethylbenzene	CT,NH,NY,RI
Hexachlorobutadiene	CT,NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	NY
p-Isopropyltoluene (p-Cymene)	CT,NH,NY
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY
Methylene Chloride	CT,NH,NY,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
n-Propylbenzene	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Water	
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY,RI
Tetrachloroethylene	CT,NH,NY,RI
Toluene	CT,NH,NY,RI
1,2,3-Trichlorobenzene	NH,NY
1,2,4-Trichlorobenzene	CT,NH,NY
1,1,1-Trichloroethane	CT,NH,NY,RI
1,1,2-Trichloroethane	CT,NH,NY,RI
Trichloroethylene	CT,NH,NY,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,RI
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	NY
1,3,5-Trimethylbenzene	NY
Vinyl Chloride	CT,NH,NY,RI
m+p Xylene	CT,NH,NY,RI
o-Xylene	CT,NH,NY,RI

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2010
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2009
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2009
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010

con-test® ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

09H0708

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 1 of 1

Company Name: Ecology and Environment
Address: 368 Pleasantview Dr. Lancaster, NY 14086
Attention: Rick Watt
Project Location: Bright Outdoors
Sampled By: [signature]

Telephone: (716) 684-8060
Project #: 002700.ID21.02
Client PO #: "

DATA DELIVERY (check one): ☐ FAX ☐ EMAIL ☒ WEBSITE CLIENT
Fax #:
Email:
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes ______ proposal date
State Form Required? ☐ yes ☒ no

# of containers: 3
**Preservation: H
~Cont. Code: V

ANALYSIS REQUESTED: 8260 VOCs

Field ID	Sample Description	Lab # 09H0708	Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	8260 VOCs	Client Comments
	FBO-MW-01	-01	8/27/09	11:59		X	GW	L	X	9 vials for MS/MSD
	FBO-MW-02	-02	↓	14:02		↓	↓	↓	X	
	FBO-MW-03	-03		15:54					X	
	FBO-MW-04	-04		15:44					X	
	~~FBO-MW-05~~	~~-05~~		~~16:33~~					~~X~~	
	FBO-MW-05/Q	-06		16:33					X	
	FBO-MW-06	-07		16:25					X	
	FBO-MW-07	-08		09:55					X	
	FBO-MW-08	-09	↓	12:44		↓	↓	↓	X	
	-10 Trip blanks sent but not listed on coc								X	

Client Comments: why didn't lab send more than 1 form?

~Cont. Code: A=amber glass, G=glass, P=plastic, ST=sterile, V=vial, S=summa can, T=tedlar bag, O=Other

Laboratory Comments: [illegible] Trip blanks sent but not listed on coc client call to 8/28 - See attached sheet. MA 8/31
NY Cert VOC TB [illegible] 8/31

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Signature	Date/Time
Relinquished by: (signature) [signature]	8/27/09 -
Received by: (signature) [signature] temp 4 °C	8/28/09 12:32
Relinquished by: (signature)	
Received by: (signature)	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other: see contract
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? 8260 standard
Data Enhancement Project/RCP? ☐ Y ☐ N
Special Requirements or DL's:

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

Andrea Anderson

From: "Watt, Richard" <RWatt@ene.com>
To: <aanderson@contestlabs.com>
Cc: "Steffan, Mike" <MSteffan@ene.com>; "Tim Kelley" <tkelley@contestlabs.com>
Sent: Monday, August 31, 2009 11:10 AM
Subject: Trip Blank for Former Bright Outdoors Site

Andrea,

In the sample delivery group received by Contest on Friday August 28, there were three VOA vials labeled "FBO-TB-20090827" that were erroneously left off the chain of custody form. This is a trip blank sample pre-filled by Contest that must be analyzed for 8260 VOCs and reported with the field samples.

Thank you and sorry for any confusion.

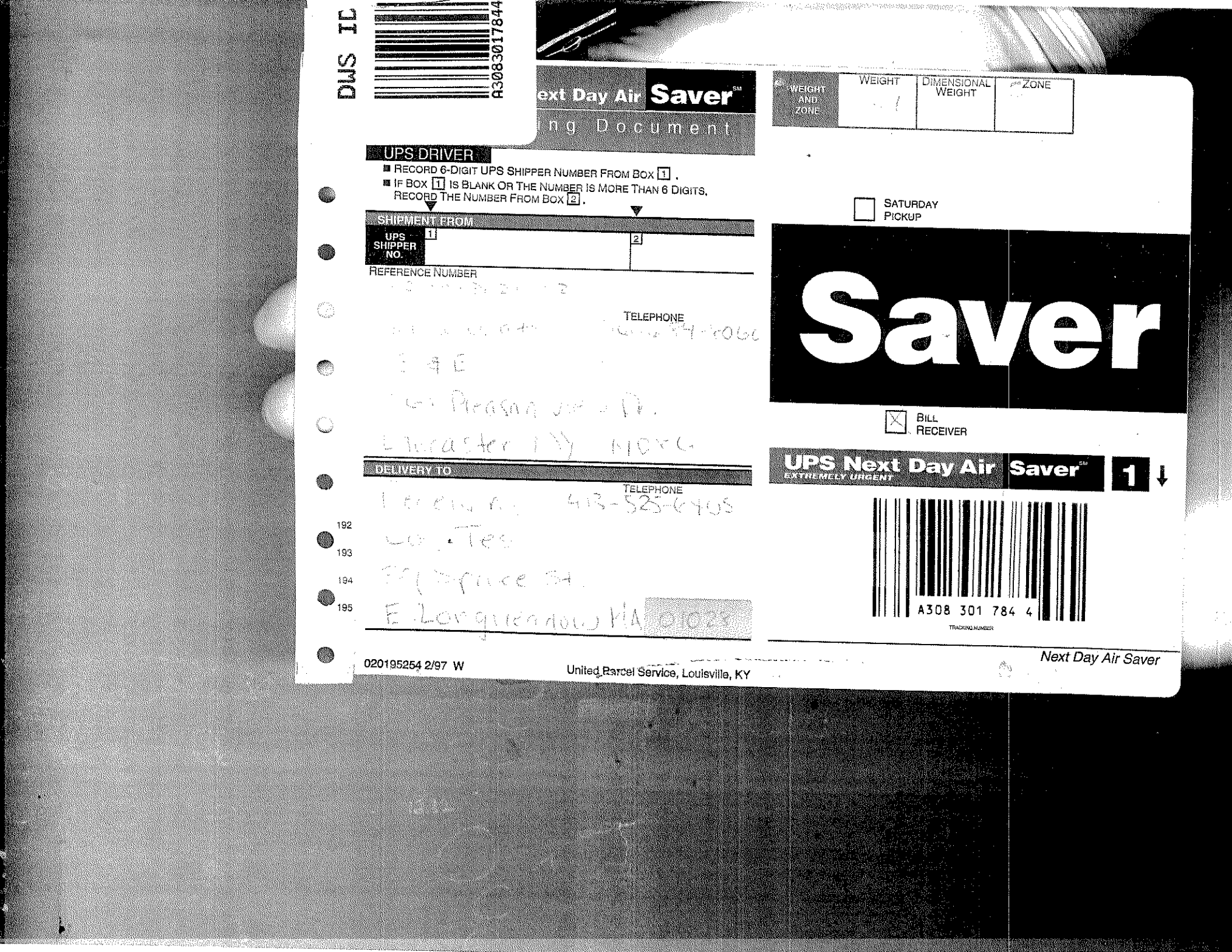
Rick.

Richard M. Watt, P.G.
ecology and environment, inc.
368 Pleasantview Drive
Lancaster, New York 14086
716-684-8060 office
716-481-5535 cell
rwatt@ene.com
www.ene.com

Tracking Results

Your package has been delivered.

Tracking Number:	A3083017844
Status:	**Delivered**
Delivered On:	08/28/2009 12:32 P.M.
Signed By:	COLLINS
Location:	OFFICE
Delivered To:	EAST LONGMEADOW, MA, US
Type:	Package
Service:	NEXT DAY AIR SAVER


DWS IC
A308301784
ext Day Air Saver
ng Document
WEIGHT AND ZONE
WEIGHT
DIMENSIONAL WEIGHT
ZONE
UPS DRIVER
RECORD 6-DIGIT UPS SHIPPER NUMBER FROM BOX 1.
IF BOX 1 IS BLANK OR THE NUMBER IS MORE THAN 6 DIGITS, RECORD THE NUMBER FROM BOX 2.
SATURDAY PICKUP
SHIPMENT FROM
UPS SHIPPER NO.
1
2
REFERENCE NUMBER
TELEPHONE
Saver
BILL RECEIVER
DELIVERY TO
TELEPHONE
UPS Next Day Air Saver
EXTREMELY URGENT
1
A308 301 784 4
TRACKING NUMBER
192
193
194
195
020195254 2/97 W
United Parcel Service, Louisville, KY
Next Day Air Saver

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con-test ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: Ecology Env. RECEIVED BY: KO DATE: 8/28/09

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice [X] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [X]

Were the samples received in Temperature Compliance of (2-6°C)? Yes No

Temperature °C by Temp blank 4°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	36	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 36 # Methanol _____

Bisulfate _____ # DI Water _____ **Time and Date Frozen:** _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: Yes No N/A