Weston Solutions, Inc.
1400 Weston Way
P.O. Box 2653
West Chester, Pennsylvania 19380
610-701-3000 • Fax 610-701-3186
www.westonsolutions.com

May 22, 2008

James Scott, Esquire
Senior Counsel
Home Depot U.S.A., Inc.
3096 Hamilton Blvd.
South Plainfield, NJ 07932

RE: Vapor Intrusion Potential – Investigation Findings
Home Depot Facility, Valley Stream, NY

Dear Mr. Scott:

This letter presents the findings from the investigation of potential vapor intrusion performed by Weston Solutions, Inc. (WESTON®) at The Home Depot U.S.A., Inc. (Home Depot) facility located at 101 Green Acres Road, Valley Stream, New York (Site). This investigation was performed under a Short Form Order between the New York Department of Environmental Conservation (NYSDEC) and Respondent, Home Depot Store #1216 (Order, dated July 3, 2006). All activities were conducted in accordance with the NYSDEC-approved *Vapor Intrusion Investigation Plan* (Investigation Plan, WESTON, September 2007). Field activities associated with these investigations were conducted in February 2008 and March 2008.

OBJECTIVE

The objective of this vapor intrusion investigation was to identify the presence of Site-specific, or target, volatile organic compounds (VOCs) in the subsurface soil and sub-slab vapor zones and to determine the need for future action to evaluate the potential for a vapor intrusion pathway at this Site based on the investigative results. The target VOC list used for this investigation is comprised of six primary constituents of concern, identified in the *Record of Decision* (ROD, NYSDEC, March 2002) as tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), and Freon 113. Vapor sampling was conducted at the locations shown in Figure 1. Sample location rationale was provided as part of the Investigation Plan.

SAMPLING PREPARATION

Sampling preparation activities included a subsurface utility search and installation of a total of 25 semi-permanent subsurface soil and sub-slab vapor probes. Utility Survey Corp., a private underground utility location company, was subcontracted by WESTON to conduct a subsurface utility search in both the outdoor and interior areas identified for probe installations. The subsurface soil and sub-slab vapor probe locations were adjusted in the field from their proposed locations as warranted based on the results of the utility search. It was determined that one of the proposed sub-slab vapor probes, located in the back hallway adjacent to the office area (see Figure 1), could not be installed due to presence of subsurface utilities throughout the area.

On March 27 and 28, 2008, 13 subsurface soil vapor probes (SU-01 through SU-11, SL-01, and the probe in Area SA-4) and 12 sub-slab vapor probes (SL-02 through SL-13) were installed at the Site. Sample location SL-01 is in the Garden Center, which is an outdoor location. Since this location is outdoors, a subsurface soil probe was installed at location SL-01.

Subsurface soil vapor probes were installed at a depth of 4 to 5 feet below ground surface (bgs). Sub-slab vapor probes were installed at a depth of 1 to 2 inches below the bottom of the slab. All semi-permanent probes were installed in accordance with the approved Investigation Plan.

SAMPLE COLLECTION

Subsurface soil and sub-slab vapor sample collection at the Site was conducted on Sunday, March 30, 2008. Due to the nature of the Site (active retail store), sampling activities were conducted after store hours throughout the night of March 30, 2008 and completed prior to the store's reopening on Monday morning. Home Depot adjusted the facility's HVAC system so that the system operated under normal daytime operating conditions during the sample collection period.

Upon arriving at the Site, WESTON personnel discovered that one subsurface soil vapor probe (Area SA-4 – see Figure 1) had been removed. This location is in the asphalt customer parking lot, which is an unsecured area. A new probe could not be installed by hand, and therefore, no sample was collected at this location. In addition, some sub-slab probes had been damaged by the various restocking activities that occurred over the weekend. Damaged sub-slab vapor probes were reinstalled and resealed to allow for sample collection during this sampling event.

All samples were collected in accordance with the approved Investigation Plan, with the exception of duplicate samples. Several Summa canisters were received with no vacuum pressure remaining, leaving no canisters available for duplicate sample collection. All samples were submitted to Air Toxics LTD, an ELAP-certified laboratory, for analysis of the target VOC list via modified EPA Method TO-15 SIM and helium (tracer gas) via modified ASTM Method D-1946. The laboratory data packages are attached to this letter and the results are summarized in Table 1.

Tracer gas results presented in Table 1 indicate that a relatively tight seal was achieved at 22 of the 24 sample probes. Two locations (SL-04 and SL-07) had helium detections above 1 percent, indicative of some ambient air leakage during sample collection.

VAPOR VOC RESULTS

The VOC results from the subsurface soil and sub-slab vapor sampling conducted at the Home Depot facility are presented in Table 1. The results indicate the presence of multiple target VOCs at all 24 subsurface soil and sub-slab vapor sampling locations. The highest concentrations of 1,1,1-TCA, 1,1-DCE, Freon 113 and 1,1-DCA were found in the subsurface soil and sub-slab vapor samples collected from sampling locations in the southeastern portion of the Site. PCE was also found at higher levels in some of these same samples; however, the highest concentration of PCE (greater than 1,000 $\mu g/m^{3)}$ was detected in the subsurface soil vapor sample collected from the sampling location (SL-01) in the Garden Center. Higher TCE levels (i.e. above 50 $\mu g/m^3$) were found in vapor samples collected from three sub-slab locations (SL-02, SL-03, and SL-12) and six subsurface locations (SL-01, SU-02, SU-06, SU-08, SU-10, and SU-11).

New York State does not currently have any standards, criteria, or guidance values for concentrations of compounds in subsurface soil vapor (*Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (Guidance Document), New York State Department of Health (NYSDOH), October 2006). The sub-slab vapor concentrations at the Site were compared to the sub-slab vapor threshold concentrations presented in the decision matrices in Section 3.4 of the Guidance Document. These matrices are generic and actions recommended in the matrices are based on the relationship between sub-slab vapor concentrations and corresponding indoor air concentrations. Although no indoor air samples were collected during this investigation, the aforementioned comparison indicates that VOC levels in several of the sub-slab vapor samples are above the threshold for which the applicable matrix indicates that a response action may be appropriate. As such, additional action at the Site relative to the vapor intrusion pathway appears warranted. Follow-up action at the Site should be developed in consultation with NYSDEC and NYSDOH.

Should you have questions or comments, please do not hesitate to contact me at 610-701-7302.

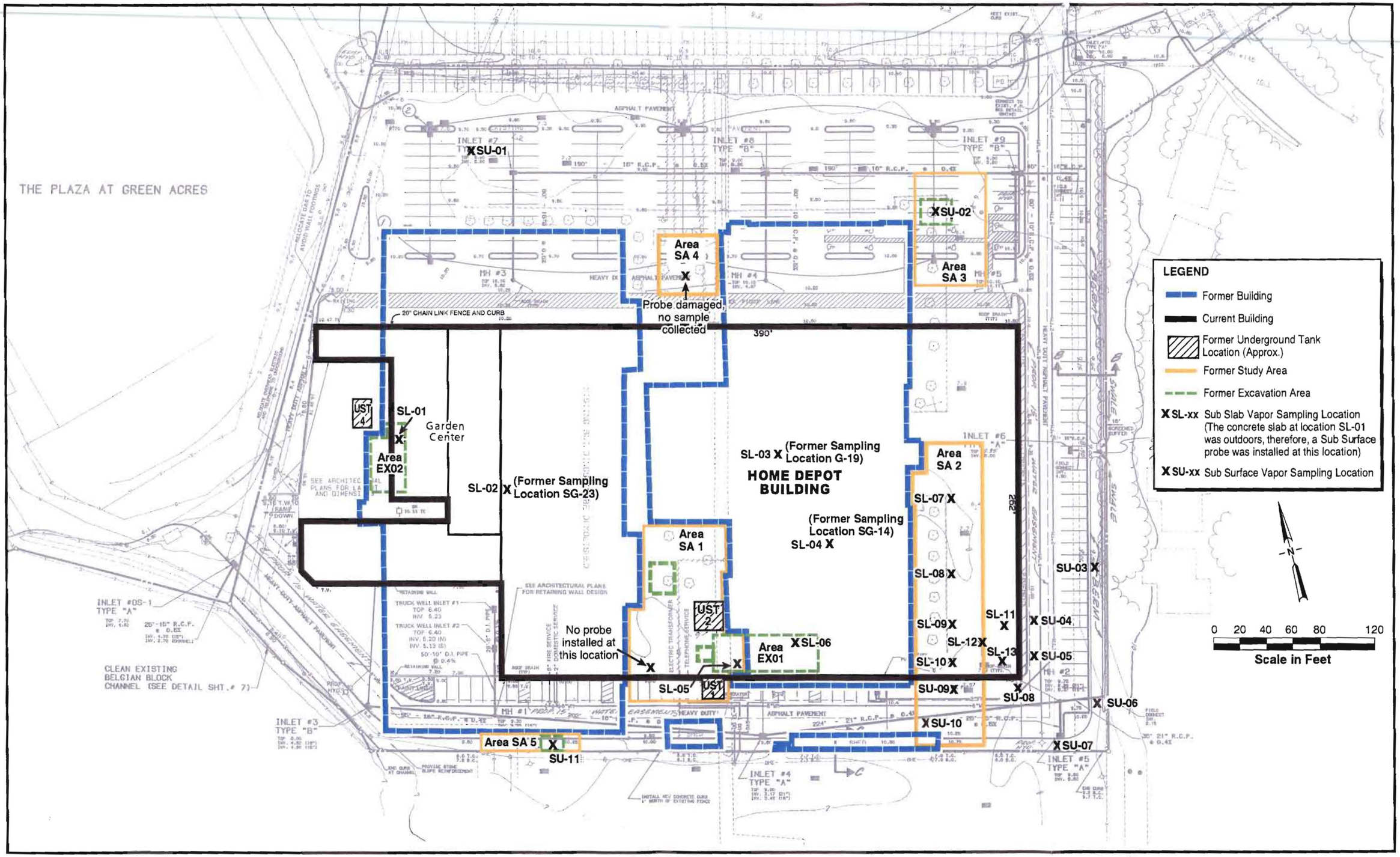
Very truly yours,

WESTON SOLUTIONS, INC.

Thomas A. Drew, P.G.
Principal Project Manager

cc: Jamie Ascher - NYSDEC
Amy Gohres - Home Depot
Abraham Thomas - WESTON
Jeana Wolters - WESTON

Attachments



06P-1392-07

FIGURE 1 VAPOR SAMPLING LOCATIONS HOME DEPOT U.S.A., INC. VALLEY STREAM, NEW YORK

WESTON SOLUTIONS

Table 1: Sub Surface and Sub Slab Soil Vapor Results
Home Depot - Valley Stream, NY
March 2008

Sample Location	Canister #	TO-15 Compounds (µg/m^3)						Tracer Gas (%)
		1,1-DCE	1,1,1-TCA	TCE	PCE	Freon 113	1,1-DCA	Helium
Sub Surface								
SU-01	34255	4	0.84	30	58	1.4	7	< 0.08
SU-02	5554	0.17	13	66	37	18	6	< 0.079
SU-03	34472	0.19	2.8	2.5	5.5	0.86	< 0.13	< 0.08
SU-04	5729	0.6	30	20	12	36	< 0.27	< 0.084
SU-05	3889	140	630	24	45	240	140	< 0.082
SU-06	25304	8.4	16	240	46	2,500	16	< 0.13
SU-07	429	0.15	4.4	0.86	5.3	8.4	< 0.13	< 0.082
SU-08	34193 [2]	2,600	11,000	200	120	200	2,200	< 0.082
SU-09	1621	6.4	9.2	50	27	2.4	5.9	< 0.086
SU-10	34439	39	170	630	880	31	170	< 0.084
SU-11	35269	3.6	29	500	96	2.1	< 0.93	< 0.12
SL-01	932	5.3	66	180	2,000	130	10	< 0.08
Sub Slab								
SL-02	33989	1.2	80	380	74	420	3.3	< 0.076
SL-03	11879	0.097	2.5	120	47	50	<0.11	0.2
SL-04	14117	< 0.076	1.4	13	16	4.1	1.7	20
SL-05	33321 [1]	< 0.27	5.6	14	74	2.1	< 0.55	< 0.068
SL-06	4223	< 0.25	17	20	210	10	1.3	0.42
SL-07	33580	< 36	52	< 49	180	730	< 37	14
SL-08	22513 [1]	< 0.34	< 0.93	6	28	6.9	< 0.69	1
SL-09	924	0.099	7.2	26	150	12	2.8	0.16
SL-10	34483 [1]	< 0.25	6.8	5.4	53	3.4	1.6	0.12
SL-11	4341	10	640	5.7	110	530	2.5	< 0.068
SL-12	20938 [2]	240	880	99	170	120	3,700	0.19
SL-13	95680 [2]	620	6,100	24	69	150	920	0.65

Notes:

[1] - Dilution was performed due to the presence of high level non-target species.

[2] - Samples were transferred from SIM analysis to full scan TO-15 due to high levels of target compounds.

1,1-DCE - 1,1-Dichloroethene
1,1,1-TCA - 1,1,1-Trichloroethane
TCE - Trichloroethene
PCE - Tetrachloroethene
1,1-DCA - 1,1-Dichloroethane

ATTACHMENT
LABORATORY DATA PACKAGES

Air Toxics LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0804123A

Work Order Summary

CLIENT:	Ms. Jeana Wolters Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380	**BILL TO:**	Mr. Tom Drew Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380
PHONE:		**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	04/04/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	04/14/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
02A	HD-3889-033008	Modified TO-15 SIM	5.5 "Hg	5 psi
03A	HD-429-033008	Modified TO-15 SIM	5.5 "Hg	5 psi
04A	HD-25304-033108	Modified TO-15 SIM	15.0 "Hg	5 psi
05A	HD-1621-033008	Modified TO-15 SIM	6.5 "Hg	5 psi
06A	HD-34439-033008	Modified TO-15 SIM	6.0 "Hg	5 psi
07A	HD-35269-033108	Modified TO-15 SIM	12.5 "Hg	5 psi
08A	HD-5729-033008	Modified TO-15 SIM	6.0 "Hg	5 psi
08AA	HD-5729-033008 Lab Duplicate	Modified TO-15 SIM	6.0 "Hg	5 psi
09A	Lab Blank	Modified TO-15 SIM	NA	NA
09B	Lab Blank	Modified TO-15 SIM	NA	NA
10A	CCV	Modified TO-15 SIM	NA	NA
10B	CCV	Modified TO-15 SIM	NA	NA
11A	LCS	Modified TO-15 SIM	NA	NA
11B	LCS	Modified TO-15 SIM	NA	NA

CERTIFIED BY: Linda D. Truman DATE: 04/17/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 SIM
Weston Solutions, Inc.
Workorder# 0804123A

Seven 6 Liter Summa Canister (SIM Certified) samples were received on April 04, 2008. Seven 6 Liter Summa Canister (SIM Certified) samples were received on April 04, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: HD-3889-033008

Lab ID#: 0804123A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.12	37	0.46	140
1,1,1-Trichloroethane	0.23	120	1.3	630
Trichloroethene	0.23	4.6	1.2	24
Tetrachloroethene	0.23	6.6	1.6	45
Freon 113	0.23	31	1.8	240
1,1-Dichloroethane	0.23	35	0.95	140

Client Sample ID: HD-429-033008

Lab ID#: 0804123A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.016	0.038	0.065	0.15
1,1,1-Trichloroethane	0.033	0.80	0.18	4.4
Trichloroethene	0.033	0.16	0.18	0.86
Tetrachloroethene	0.033	0.78	0.22	5.3
Freon 113	0.033	1.1	0.25	8.4

Client Sample ID: HD-25304-033108

Lab ID#: 0804123A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.27	2.1	1.1	8.4
1,1,1-Trichloroethane	0.54	3.0	2.9	16
Trichloroethene	0.54	46	2.9	240
Tetrachloroethene	0.54	6.8	3.6	46
Freon 113	0.54	330	4.1	2500
1,1-Dichloroethane	0.54	4.0	2.2	16

Client Sample ID: HD-1621-033008

Lab ID#: 0804123A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.017	1.6	0.068	6.4
1,1,1-Trichloroethane	0.034	1.7	0.19	9.2
Trichloroethene	0.034	9.3	0.18	50

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: HD-1621-033008

Lab ID#: 0804123A-05A

Tetrachloroethene	0.034	4.0	0.23	27
Freon 113	0.034	0.31	0.26	2.4
1,1-Dichloroethane	0.034	1.5	0.14	5.9

Client Sample ID: HD-34439-033008

Lab ID#: 0804123A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.11	9.8	0.44	39
1,1,1-Trichloroethane	0.22	30	1.2	170
Trichloroethene	0.22	120	1.2	630
Tetrachloroethene	0.22	130	1.5	880
Freon 113	0.22	4.0	1.7	31
1,1-Dichloroethane	0.22	42	0.91	170

Client Sample ID: HD-35269-033108

Lab ID#: 0804123A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.12	0.90	0.46	3.6
1,1,1-Trichloroethane	0.23	5.2	1.2	29
Trichloroethene	0.23	93	1.2	500
Tetrachloroethene	0.23	14	1.6	96
Freon 113	0.23	0.28	1.8	2.1

Client Sample ID: HD-5729-033008

Lab ID#: 0804123A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.034	0.15	0.13	0.60
1,1,1-Trichloroethane	0.067	5.6	0.37	30
Trichloroethene	0.067	3.6	0.36	20
Tetrachloroethene	0.067	1.8	0.46	12
Freon 113	0.067	4.7	0.52	36

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: HD-5729-033008 Lab Duplicate

Lab ID#: 0804123A-08AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.034	0.14	0.13	0.55
1,1,1-Trichloroethane	0.067	5.2	0.37	28
Trichloroethene	0.067	3.7	0.36	20
Tetrachloroethene	0.067	1.9	0.46	13
Freon 113	0.067	4.9	0.52	38

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-3889-033008

Lab ID#: 0804123A-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040806	Date of Collection:	3/30/08
Dil. Factor:	11.7	Date of Analysis:	4/8/08 01:44 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.12	37	0.46	140
1,1,1-Trichloroethane	0.23	120	1.3	630
Trichloroethene	0.23	4.6	1.2	24
Tetrachloroethene	0.23	6.6	1.6	45
Freon 113	0.23	31	1.8	240
1,1-Dichloroethane	0.23	35	0.95	140

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	89	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-429-033008

Lab ID#: 0804123A-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040821	Date of Collection:	3/30/08
Dil. Factor:	1.64	Date of Analysis:	4/9/08 02:13 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.016	0.038	0.065	0.15
1,1,1-Trichloroethane	0.033	0.80	0.18	4.4
Trichloroethene	0.033	0.16	0.18	0.86
Tetrachloroethene	0.033	0.78	0.22	5.3
Freon 113	0.033	1.1	0.25	8.4
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	108	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-25304-033108

Lab ID#: 0804123A-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040820	Date of Collection:	3/31/08
Dil. Factor:	26.8	Date of Analysis:	4/9/08 01:32 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.27	2.1	1.1	8.4
1,1,1-Trichloroethane	0.54	3.0	2.9	16
Trichloroethene	0.54	46	2.9	240
Tetrachloroethene	0.54	6.8	3.6	46
Freon 113	0.54	330	4.1	2500
1,1-Dichloroethane	0.54	4.0	2.2	16

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	90	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-1621-033008

Lab ID#: 0804123A-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040822	Date of Collection:	3/30/08
Dil. Factor:	1.71	Date of Analysis:	4/9/08 02:55 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.017	1.6	0.068	6.4
1,1,1-Trichloroethane	0.034	1.7	0.19	9.2
Trichloroethene	0.034	9.3	0.18	50
Tetrachloroethene	0.034	4.0	0.23	27
Freon 113	0.034	0.31	0.26	2.4
1,1-Dichloroethane	0.034	1.5	0.14	5.9

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	101	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34439-033008

Lab ID#: 0804123A-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040813	Date of Collection:	3/30/08
Dil. Factor:	11.2	Date of Analysis:	4/8/08 07:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.11	9.8	0.44	39
1,1,1-Trichloroethane	0.22	30	1.2	170
Trichloroethene	0.22	120	1.2	630
Tetrachloroethene	0.22	130	1.5	880
Freon 113	0.22	4.0	1.7	31
1,1-Dichloroethane	0.22	42	0.91	170

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	93	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-35269-033108

Lab ID#: 0804123A-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040814	Date of Collection:	3/31/08
Dil. Factor:	11.5	Date of Analysis:	4/8/08 08:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.12	0.90	0.46	3.6
1,1,1-Trichloroethane	0.23	5.2	1.2	29
Trichloroethene	0.23	93	1.2	500
Tetrachloroethene	0.23	14	1.6	96
Freon 113	0.23	0.28	1.8	2.1
1,1-Dichloroethane	0.23	Not Detected	0.93	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-5729-033008

Lab ID#: 0804123A-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040906	Date of Collection:	3/30/08
Dil. Factor:	3.36	Date of Analysis:	4/9/08 01:59 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.034	0.15	0.13	0.60
1,1,1-Trichloroethane	0.067	5.6	0.37	30
Trichloroethene	0.067	3.6	0.36	20
Tetrachloroethene	0.067	1.8	0.46	12
Freon 113	0.067	4.7	0.52	36
1,1-Dichloroethane	0.067	Not Detected	0.27	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	103	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-5729-033008 Lab Duplicate

Lab ID#: 0804123A-08AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040907	Date of Collection:	3/30/08
Dil. Factor:	3.36	Date of Analysis:	4/9/08 02:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.034	0.14	0.13	0.55
1,1,1-Trichloroethane	0.067	5.2	0.37	28
Trichloroethene	0.067	3.7	0.36	20
Tetrachloroethene	0.067	1.9	0.46	13
Freon 113	0.067	4.9	0.52	38
1,1-Dichloroethane	0.067	Not Detected	0.27	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804123A-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040805	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/8/08 12:54 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	120	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	90	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804123A-09B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040905	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/9/08 01:09 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	91	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804123A-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040802	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/8/08 10:03 AM	

Compound	%Recovery
1,1-Dichloroethene	106
1,1,1-Trichloroethane	87
Trichloroethene	84
Tetrachloroethene	86
Freon 113	83
1,1-Dichloroethane	107

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	99	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804123A-10B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040902	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/9/08 10:54 AM	

Compound	%Recovery
1,1-Dichloroethene	94
1,1,1-Trichloroethane	91
Trichloroethene	85
Tetrachloroethene	90
Freon 113	88
1,1-Dichloroethane	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	97	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804123A-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040803	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/8/08 11:02 AM	

Compound	%Recovery
1,1-Dichloroethene	115
1,1,1-Trichloroethane	82
Trichloroethene	82
Tetrachloroethene	86
Freon 113	89
1,1-Dichloroethane	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	94	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804123A-11B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a040903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/9/08 11:34 AM**	

Compound	%Recovery
1,1-Dichloroethene	107
1,1,1-Trichloroethane	83
Trichloroethene	82
Tetrachloroethene	88
Freon 113	92
1,1-Dichloroethane	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Jeana Wolters
Collected by: (Print and Sign) Dayna Pelc Dayna Pelc
Company Weston Solutions Email J.Wolters@westonsolutions.com
Address 1400 Weston Way City West Chester State PA Zip 19380
Phone 610.701.3517 Fax

Project Info:
P.O. #
Project #
Project Name

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	HD-34193-033008	34193	3.30.08	3.30.08	PCE, TCE, 111-TCA, 11-DCE, 11-DCA, Freon 113 → TO-15, Helium - ASTM D1946	30	-12	1hr	
02A	HD-3889-033008	3889		3.30.08		28	7.5	1hr	
03A	HD-429-033008	429		3.30.08		30	9	1hr	
04A	HD-25304-033108	25304		3.31.08		30	12	3hr 18min	
05A	HD-1621-033008	1621		3.30.08		30	10	1hr	
06A	HD-34439-033008	34439		3.30.08		29	8	1hr	
07A	HD-35269-033108	35269		3.31.08		28	16	4hr	
08A	HD-5729-033008	5729		3.30.08		30	9.5	1hr	
09A	HD-33580-033008	33580		3.30.08		30	9	1hr	
10A	HD-20938-033108	20938		3.31.08		30	10	1hr	

TNE

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Dayna Pelc	4/3/08 500pm	Monica [illegible]	4/4/08 940
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		MA	Good	Yes No None	080423

Form 1288 rev.11

Pelc, Dayna

From: Wolters, Jeana
Sent: Wednesday, April 02, 2008 3:42 PM
To: Pelc, Dayna
Cc: Drew, Thomas A.
Subject: Air Toxics Info

Okay -

PCE, TCE, 111-TCA, 11-DCE, 11-DCA, Freon 113 by method TO-15.
Helium by method ASTM D1946.
Standard TAT - 10 business days.

Please list me on the COC to receive the data package and emailed results. I'll distribute them as soon as I receive them.

J.Wolters @ Westonsolutions.com

Thanks - Jeana

J. M. Wolters
(610) 701-3517 - office
(610) 701-7401 - fax
(302) 420-8263 - mobile

24 canisters for above methods.

Bad canisters: 34495, 4249, 2250

Not used: 33563

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

Air Toxics LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0804123B

Work Order Summary

CLIENT:	Ms. Jeana Wolters Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380	**BILL TO:**	Mr. Tom Drew Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380
PHONE:		**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	04/04/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:			

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
12A	HD-34483-033108	Modified TO-15 SIM	8.5 "Hg	5 psi
13A	HD-4341-033108	Modified TO-15 SIM	0.5 "Hg	5 psi
14A	HD-22513-033108	Modified TO-15 SIM	6.5 "Hg	5 psi
15A	HD-924-033108	Modified TO-15 SIM	9.0 "Hg	5 psi
16A	HD-14117-033108	Modified TO-15 SIM	9.0 "Hg	5 psi
17A	HD-33321-033108	Modified TO-15 SIM	0.5 "Hg	5 psi
18A	HD-11879-033108	Modified TO-15 SIM	0.0 "Hg	5 psi
19A	HD-33989-033108	Modified TO-15 SIM	3.5 "Hg	5 psi
20A	HD-4223-033108	Modified TO-15 SIM	9.0 "Hg	5 psi
21A	HD-932-033108	Modified TO-15 SIM	5.0 "Hg	5 psi
22A	HD-34472-033108	Modified TO-15 SIM	5.0 "Hg	5 psi
22AA	HD-34472-033108 Lab Duplicate	Modified TO-15 SIM	5.0 "Hg	5 psi
23A	HD-5554-033108	Modified TO-15 SIM	4.5" Hg	5 psi
24A	HD-34255-033108	Modified TO-15 SIM	5.0 "Hg	5 psi
25A	Lab Blank	Modified TO-15 SIM	NA	NA
25B	Lab Blank	Modified TO-15 SIM	NA	NA
26A	CCV	Modified TO-15 SIM	NA	NA

Continued on next page

WORK ORDER #: 0804123B

Work Order Summary

CLIENT:	Ms. Jeana Wolters Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380	**BILL TO:**	Mr. Tom Drew Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380
PHONE:		**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	04/04/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:			

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
26B	CCV	Modified TO-15 SIM	NA	NA
27A	LCS	Modified TO-15 SIM	NA	NA
27B	LCS	Modified TO-15 SIM	NA	NA

CERTIFIED BY: Linda J. Fruman DATE: 04/17/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 SIM
Weston Solutions, Inc.
Workorder# 0804123B

Thirteen 6 Liter Summa Canister (SIM Certified) samples were received on April 04, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Sample identification for samples HD-5554-033108, HD-924-033108, HD-11879-033108 and HD-33989-033108 were not provided on the sample tags. Therefore the information on the Chain of Custody was used to process and report the samples.

The Chain of Custody (COC) information for sample HD-5554-033108 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

Dilution was performed on samples HD-34483-033108, HD-22513-033108 and HD-33321-033108 due to the presence of high level non-target species.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: HD-34483-033108

Lab ID#: 0804123B-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,1-Trichloroethane	0.12	1.2	0.68	6.8
Trichloroethene	0.12	1.0	0.67	5.4
Tetrachloroethene	0.12	7.9	0.84	53
Freon 113	0.12	0.44	0.95	3.4
1,1-Dichloroethane	0.12	0.40	0.50	1.6

Client Sample ID: HD-4341-033108

Lab ID#: 0804123B-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.068	2.5	0.27	10
1,1,1-Trichloroethane	0.14	120	0.74	640
Trichloroethene	0.14	1.0	0.73	5.7
Tetrachloroethene	0.14	16	0.92	110
Freon 113	0.14	70	1.0	530
1,1-Dichloroethane	0.14	0.62	0.55	2.5

Client Sample ID: HD-22513-033108

Lab ID#: 0804123B-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.17	1.1	0.92	6.0
Tetrachloroethene	0.17	4.2	1.2	28
Freon 113	0.17	0.90	1.3	6.9

Client Sample ID: HD-924-033108

Lab ID#: 0804123B-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.019	0.025	0.076	0.099
1,1,1-Trichloroethane	0.038	1.3	0.21	7.2
Trichloroethene	0.038	4.9	0.20	26
Tetrachloroethene	0.038	22	0.26	150
Freon 113	0.038	1.6	0.29	12
1,1-Dichloroethane	0.038	0.70	0.15	2.8

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: HD-14117-033108

Lab ID#: 0804123B-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,1-Trichloroethane	0.038	0.27	0.21	1.4
Trichloroethene	0.038	2.5	0.20	13
Tetrachloroethene	0.038	2.4	0.26	16
Freon 113	0.038	0.53	0.29	4.1
1,1-Dichloroethane	0.038	0.41	0.15	1.7

Client Sample ID: HD-33321-033108

Lab ID#: 0804123B-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,1-Trichloroethane	0.14	1.0	0.74	5.6
Trichloroethene	0.14	2.6	0.73	14
Tetrachloroethene	0.14	11	0.92	74
Freon 113	0.14	0.28	1.0	2.1

Client Sample ID: HD-11879-033108

Lab ID#: 0804123B-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.013	0.024	0.053	0.097
1,1,1-Trichloroethane	0.027	0.46	0.15	2.5
Trichloroethene	0.027	23	0.14	120
Tetrachloroethene	0.027	7.0	0.18	47
Freon 113	0.027	6.5	0.20	50

Client Sample ID: HD-33989-033108

Lab ID#: 0804123B-19A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.076	0.29	0.30	1.2
1,1,1-Trichloroethane	0.15	15	0.83	80
Trichloroethene	0.15	71	0.82	380
Tetrachloroethene	0.15	11	1.0	74
Freon 113	0.15	55	1.2	420
1,1-Dichloroethane	0.15	0.82	0.62	3.3

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: HD-4223-033108

Lab ID#: 0804123B-20A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,1-Trichloroethane	0.13	3.1	0.70	17
Trichloroethene	0.13	3.6	0.68	20
Tetrachloroethene	0.13	31	0.86	210
Freon 113	0.13	1.3	0.98	10
1,1-Dichloroethane	0.13	0.33	0.52	1.3

Client Sample ID: HD-932-033108

Lab ID#: 0804123B-21A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.23	1.3	0.91	5.3
1,1,1-Trichloroethane	0.46	12	2.5	66
Trichloroethene	0.46	33	2.5	180
Tetrachloroethene	0.46	290	3.1	2000
Freon 113	0.46	16	3.5	130
1,1-Dichloroethane	0.46	2.6	1.9	10

Client Sample ID: HD-34472-033108

Lab ID#: 0804123B-22A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.016	0.047	0.064	0.19
1,1,1-Trichloroethane	0.032	0.52	0.18	2.8
Trichloroethene	0.032	0.46	0.17	2.5
Tetrachloroethene	0.032	0.82	0.22	5.5
Freon 113	0.032	0.11	0.25	0.86

Client Sample ID: HD-34472-033108 Lab Duplicate

Lab ID#: 0804123B-22AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.016	0.063	0.064	0.25
1,1,1-Trichloroethane	0.032	0.52	0.18	2.8
Trichloroethene	0.032	0.46	0.17	2.5
Tetrachloroethene	0.032	0.82	0.22	5.5

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: HD-34472-033108 Lab Duplicate

Lab ID#: 0804123B-22AA

Freon 113	0.032	0.12	0.25	0.89

Client Sample ID: HD-5554-033108

Lab ID#: 0804123B-23A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.016	0.044	0.063	0.17
1,1,1-Trichloroethane	0.032	2.4	0.17	13
Trichloroethene	0.032	12	0.17	66
Tetrachloroethene	0.032	5.5	0.21	37
Freon 113	0.032	2.3	0.24	18
1,1-Dichloroethane	0.032	1.5	0.13	6.0

Client Sample ID: HD-34255-033108

Lab ID#: 0804123B-24A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.016	1.0	0.064	4.0
1,1,1-Trichloroethane	0.032	0.15	0.18	0.84
Trichloroethene	0.032	5.5	0.17	30
Tetrachloroethene	0.032	8.5	0.22	58
Freon 113	0.032	0.18	0.25	1.4
1,1-Dichloroethane	0.032	1.7	0.13	7.0

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34483-033108

Lab ID#: 0804123B-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a040909**	**Date of Collection:**	**3/31/08**
Dil. Factor:	**6.23**	**Date of Analysis:**	**4/9/08 04:05 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.062	Not Detected	0.25	Not Detected
1,1,1-Trichloroethane	0.12	1.2	0.68	6.8
Trichloroethene	0.12	1.0	0.67	5.4
Tetrachloroethene	0.12	7.9	0.84	53
Freon 113	0.12	0.44	0.95	3.4
1,1-Dichloroethane	0.12	0.40	0.50	1.6

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-4341-033108

Lab ID#: 0804123B-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040910	Date of Collection:	3/31/08
Dil. Factor:	6.80	Date of Analysis:	4/9/08 04:51 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.068	2.5	0.27	10
1,1,1-Trichloroethane	0.14	120	0.74	640
Trichloroethene	0.14	1.0	0.73	5.7
Tetrachloroethene	0.14	16	0.92	110
Freon 113	0.14	70	1.0	530
1,1-Dichloroethane	0.14	0.62	0.55	2.5

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	94	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-22513-033108

Lab ID#: 0804123B-14A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040911	Date of Collection:	3/31/08
Dil. Factor:	8.55	Date of Analysis:	4/9/08 05:41 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.086	Not Detected	0.34	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Trichloroethene	0.17	1.1	0.92	6.0
Tetrachloroethene	0.17	4.2	1.2	28
Freon 113	0.17	0.90	1.3	6.9
1,1-Dichloroethane	0.17	Not Detected	0.69	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	93	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-924-033108

Lab ID#: 0804123B-15A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040912	Date of Collection:	3/31/08
Dil. Factor:	1.91	Date of Analysis:	4/9/08 06:41 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.019	0.025	0.076	0.099
1,1,1-Trichloroethane	0.038	1.3	0.21	7.2
Trichloroethene	0.038	4.9	0.20	26
Tetrachloroethene	0.038	22	0.26	150
Freon 113	0.038	1.6	0.29	12
1,1-Dichloroethane	0.038	0.70	0.15	2.8

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-14117-033108

Lab ID#: 0804123B-16A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040913	Date of Collection:	3/31/08
Dil. Factor:	1.91	Date of Analysis:	4/9/08 07:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.019	Not Detected	0.076	Not Detected
1,1,1-Trichloroethane	0.038	0.27	0.21	1.4
Trichloroethene	0.038	2.5	0.20	13
Tetrachloroethene	0.038	2.4	0.26	16
Freon 113	0.038	0.53	0.29	4.1
1,1-Dichloroethane	0.038	0.41	0.15	1.7

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	95	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-33321-033108

Lab ID#: 0804123B-17A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040914	Date of Collection:	3/31/08
Dil. Factor:	6.80	Date of Analysis:	4/9/08 08:13 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.068	Not Detected	0.27	Not Detected
1,1,1-Trichloroethane	0.14	1.0	0.74	5.6
Trichloroethene	0.14	2.6	0.73	14
Tetrachloroethene	0.14	11	0.92	74
Freon 113	0.14	0.28	1.0	2.1
1,1-Dichloroethane	0.14	Not Detected	0.55	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-11879-033108

Lab ID#: 0804123B-18A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040916	Date of Collection:	3/31/08
Dil. Factor:	1.34	Date of Analysis:	4/9/08 09:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.013	0.024	0.053	0.097
1,1,1-Trichloroethane	0.027	0.46	0.15	2.5
Trichloroethene	0.027	23	0.14	120
Tetrachloroethene	0.027	7.0	0.18	47
Freon 113	0.027	6.5	0.20	50
1,1-Dichloroethane	0.027	Not Detected	0.11	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	97	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-33989-033108

Lab ID#: 0804123B-19A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040917	Date of Collection:	3/31/08
Dil. Factor:	7.60	Date of Analysis:	4/9/08 10:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.076	0.29	0.30	1.2
1,1,1-Trichloroethane	0.15	15	0.83	80
Trichloroethene	0.15	71	0.82	380
Tetrachloroethene	0.15	11	1.0	74
Freon 113	0.15	55	1.2	420
1,1-Dichloroethane	0.15	0.82	0.62	3.3

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-4223-033108

Lab ID#: 0804123B-20A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040918	Date of Collection:	3/31/08
Dil. Factor:	6.37	Date of Analysis:	4/9/08 10:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.064	Not Detected	0.25	Not Detected
1,1,1-Trichloroethane	0.13	3.1	0.70	17
Trichloroethene	0.13	3.6	0.68	20
Tetrachloroethene	0.13	31	0.86	210
Freon 113	0.13	1.3	0.98	10
1,1-Dichloroethane	0.13	0.33	0.52	1.3

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	91	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-932-033108

Lab ID#: 0804123B-21A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a041106	Date of Collection:	3/31/08
Dil. Factor:	23.0	Date of Analysis:	4/11/08 03:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.23	1.3	0.91	5.3
1,1,1-Trichloroethane	0.46	12	2.5	66
Trichloroethene	0.46	33	2.5	180
Tetrachloroethene	0.46	290	3.1	2000
Freon 113	0.46	16	3.5	130
1,1-Dichloroethane	0.46	2.6	1.9	10

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	88	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34472-033108

Lab ID#: 0804123B-22A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a041107	Date of Collection:	3/31/08
Dil. Factor:	1.61	Date of Analysis:	4/11/08 04:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.016	0.047	0.064	0.19
1,1,1-Trichloroethane	0.032	0.52	0.18	2.8
Trichloroethene	0.032	0.46	0.17	2.5
Tetrachloroethene	0.032	0.82	0.22	5.5
Freon 113	0.032	0.11	0.25	0.86
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	95	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34472-033108 Lab Duplicate

Lab ID#: 0804123B-22AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a041108	Date of Collection:	3/31/08
Dil. Factor:	1.61	Date of Analysis:	4/11/08 05:14 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.016	0.063	0.064	0.25
1,1,1-Trichloroethane	0.032	0.52	0.18	2.8
Trichloroethene	0.032	0.46	0.17	2.5
Tetrachloroethene	0.032	0.82	0.22	5.5
Freon 113	0.032	0.12	0.25	0.89
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	96	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-5554-033108

Lab ID#: 0804123B-23A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a041112	Date of Collection:	3/31/08
Dil. Factor:	1.58	Date of Analysis:	4/11/08 08:40 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.016	0.044	0.063	0.17
1,1,1-Trichloroethane	0.032	2.4	0.17	13
Trichloroethene	0.032	12	0.17	66
Tetrachloroethene	0.032	5.5	0.21	37
Freon 113	0.032	2.3	0.24	18
1,1-Dichloroethane	0.032	1.5	0.13	6.0

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34255-033108

Lab ID#: 0804123B-24A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a041111	Date of Collection:	3/31/08
Dil. Factor:	1.61	Date of Analysis:	4/11/08 08:01 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.016	1.0	0.064	4.0
1,1,1-Trichloroethane	0.032	0.15	0.18	0.84
Trichloroethene	0.032	5.5	0.17	30
Tetrachloroethene	0.032	8.5	0.22	58
Freon 113	0.032	0.18	0.25	1.4
1,1-Dichloroethane	0.032	1.7	0.13	7.0

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: Lab Blank

Lab ID#: 0804123B-25A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040905	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/9/08 01:09 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	91	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804123B-25B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a041105	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/11/08 02:34 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	90	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804123B-26A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a040902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/9/08 10:54 AM**	

Compound	%Recovery
1,1-Dichloroethene	94
1,1,1-Trichloroethane	91
Trichloroethene	85
Tetrachloroethene	90
Freon 113	88
1,1-Dichloroethane	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	97	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804123B-26B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a041102	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/11/08 10:38 AM	

Compound	%Recovery
1,1-Dichloroethene	102
1,1,1-Trichloroethane	79
Trichloroethene	80
Tetrachloroethene	84
Freon 113	82
1,1-Dichloroethane	97

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804123B-27A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a040903	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/9/08 11:34 AM	

Compound	%Recovery
1,1-Dichloroethene	107
1,1,1-Trichloroethane	83
Trichloroethene	82
Tetrachloroethene	88
Freon 113	92
1,1-Dichloroethane	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	95	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804123B-27B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a041103	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/11/08 11:43 AM	

Compound	%Recovery
1,1-Dichloroethene	112
1,1,1-Trichloroethane	81
Trichloroethene	82
Tetrachloroethene	87
Freon 113	91
1,1-Dichloroethane	103

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager
Collected by: (Print and Sign) Sam
Company ______ Email ______
Address ______ City ______ State ______ Zip ______
Phone ______ Fax ______

Project Info:
P.O. # ______
Project # ______
Project Name ______

Turn Around Time:
☒ Normal
☐ Rush
______ specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
11A	HD-95680-033008	95680	3/30/08	~~3/30/08~~ 1hr	S8	30	8		
12A	HD-34483-033108	34483	3/31/08	1hr		30	10		
13A	HD-4341-0331408	4341	3/31/08	57min		30	8.25		
14A	HD-22513-033108	22513		59min		30	9		
15A	HD-924-033108	924		1hr		30	10		
16A	HD-14117-033108	14117		1hr		29.5	8.5		
17A	HD-33321-033108	33321		1hr		30	9		
18A	HD-11879-033108	11879		1hr		30	3.5		
19A	HD-33989-033108	33989		54min		26.5	2		
20A	HD-4223-033108	4223		1hr		30	9.5		

Relinquished by: (signature) Date/Time: [signature] 4/2/08 5PM
Received by: (signature) Date/Time: Monica Greeen ATL 4/4/08 940
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		NA	Good	Yes No (None)	0804123

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager _____

Collected by: (Print and Sign) _____

Company Same Email _____

Address _____ City _____ State ____ Zip ____

Phone _____ Fax _____

Project Info:

P.O. # _____

Project # _____

Project Name _____

Turn Around Time:

☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
21A	HD-932-033108	932	3.31.08	1hr		30	7.5		
22A	HD-34472-033108	34472		59min		29	10.5		
23A	HD-5554-033108	5554		1hr		30	8		
24A	HD-34255-033108	34255		1hr		30	9		

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	Notes:
Dayna Dek 4.2.08 5pm	Monica Gregen AIL 4/4/08 940	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		NA	Good	Yes No (None)	0804123

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

Air Toxics LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0804123C

Work Order Summary

CLIENT:	Ms. Jeana Wolters Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380	**BILL TO:**	Mr. Tom Drew Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380
PHONE:		**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	04/04/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	04/16/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	HD-34193-033008	Modified ASTM D-1946	5.5 "Hg	5 psi
01AA	HD-34193-033008 Lab Duplicate	Modified ASTM D-1946	5.5 "Hg	5 psi
02A	HD-3889-033008	Modified ASTM D-1946	5.5 "Hg	5 psi
03A	HD-429-033008	Modified ASTM D-1946	5.5 "Hg	5 psi
04A	HD-25304-033108	Modified ASTM D-1946	15.0 "Hg	5 psi
05A	HD-1621-033008	Modified ASTM D-1946	6.5 "Hg	5 psi
06A	HD-34439-033008	Modified ASTM D-1946	6.0 "Hg	5 psi
07A	HD-35269-033108	Modified ASTM D-1946	12.5 "Hg	5 psi
08A	HD-5729-033008	Modified ASTM D-1946	6.0 "Hg	5 psi
09A	HD-33580-033008	Modified ASTM D-1946	8.0 "Hg	5 psi
10A	HD-20938-033108	Modified ASTM D-1946	8.0 "Hg	5 psi
11A	Lab Blank	Modified ASTM D-1946	NA	NA
12A	LCS	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Linda A. Truman DATE: 04/16/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Weston Solutions, Inc.
Workorder# 0804123C

Ten 6 Liter Summa Canister (SIM Certified) samples were received on April 04, 2008. The laboratory performed analysis via Modified ASTM Method D-1946 for Helium in air using GC/TCD. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*ASTM D-1946*	*ATL Modifications*
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: HD-34193-033008

Lab ID#: 0804123C-01A
No Detections Were Found.

Client Sample ID: HD-34193-033008 Lab Duplicate

Lab ID#: 0804123C-01AA
No Detections Were Found.

Client Sample ID: HD-3889-033008

Lab ID#: 0804123C-02A
No Detections Were Found.

Client Sample ID: HD-429-033008

Lab ID#: 0804123C-03A
No Detections Were Found.

Client Sample ID: HD-25304-033108

Lab ID#: 0804123C-04A
No Detections Were Found.

Client Sample ID: HD-1621-033008

Lab ID#: 0804123C-05A
No Detections Were Found.

Client Sample ID: HD-34439-033008

Lab ID#: 0804123C-06A
No Detections Were Found.

Client Sample ID: HD-35269-033108

Lab ID#: 0804123C-07A
No Detections Were Found.

Client Sample ID: HD-5729-033008

Lab ID#: 0804123C-08A
No Detections Were Found.

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: HD-33580-033008

Lab ID#: 0804123C-09A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.092	14

Client Sample ID: HD-20938-033108

Lab ID#: 0804123C-10A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.092	0.19

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34193-033008

Lab ID#: 0804123C-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040711b	Date of Collection:	3/30/08
Dil. Factor:	1.64	Date of Analysis:	4/7/08 01:02 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.082	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34193-033008 Lab Duplicate

Lab ID#: 0804123C-01AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040706b	Date of Collection:	3/30/08
Dil. Factor:	1.64	Date of Analysis:	4/7/08 10:02 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.082	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-3889-033008

Lab ID#: 0804123C-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9040707b**	**Date of Collection:**	**3/30/08**
Dil. Factor:	**1.64**	**Date of Analysis:**	**4/7/08 10:39 AM**

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.082	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-429-033008

Lab ID#: 0804123C-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040708b	Date of Collection:	3/30/08
Dil. Factor:	1.64	Date of Analysis:	4/7/08 11:12 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.082	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-25304-033108

Lab ID#: 0804123C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040709b	Date of Collection:	3/31/08
Dil. Factor:	2.68	Date of Analysis:	4/7/08 11:59 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.13	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-1621-033008

Lab ID#: 0804123C-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040710b	Date of Collection:	3/30/08
Dil. Factor:	1.71	Date of Analysis:	4/7/08 12:35 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.086	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34439-033008

Lab ID#: 0804123C-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040712b	Date of Collection:	3/30/08
Dil. Factor:	1.68	Date of Analysis:	4/7/08 01:49 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.084	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-35269-033108

Lab ID#: 0804123C-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040713b	Date of Collection:	3/31/08
Dil. Factor:	2.30	Date of Analysis:	4/7/08 02:23 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.12	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-5729-033008

Lab ID#: 0804123C-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040716b	Date of Collection:	3/30/08
Dil. Factor:	1.68	Date of Analysis:	4/7/08 03:58 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.084	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-33580-033008

Lab ID#: 0804123C-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040715b	Date of Collection:	3/30/08
Dil. Factor:	1.83	Date of Analysis:	4/7/08 03:28 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.092	14

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-20938-033108

Lab ID#: 0804123C-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040717b	Date of Collection:	3/31/08
Dil. Factor:	1.83	Date of Analysis:	4/7/08 04:23 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.092	0.19

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804123C-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9040703b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/08 12:48 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804123C-12A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040719	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/7/08 05:39 PM	

Compound	%Recovery
Helium	107

Container Type: NA - Not Applicable

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager: Jeana Wolters
Collected by: (Print and Sign) Dayna Pelc Dayna Pelc
Company: Weston Solutions Email: J.Wolters@westonsolutions.com
Address: 1400 Weston Way City: West Chester State: PA Zip: 19380
Phone: 610.701.3517 Fax:

Project Info:
P.O. #
Project #
Project Name

Turn Around Time: [X] Normal [ ] Rush ____ specify

Lab Use Only: Pressurized by: Date: Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	HD-34193-033008	34193	3.30.08	3.30.08	PCE, TCE, 111-TCA, 11-DCE, 11-DCA, Freon 113, TO-15; Helium - ASTM D1946	30	-12	1hr	
02A	HD-3889-033008	3889		3.30.08		28	7.5	1hr	
03A	HD-429-033008	429		3.30.08		30	9	1hr	
04A	HD-25304-033108	25304		3.31.08		30	12	3hr 18min	
05A	HD-1621-033008	1621		3.30.08		30	10	1hr	
06A	HD-34439-033008	34439		3.30.08		29	8	1hr	
07A	HD-35269-033108	35269		3.31.08		28	16	4hr	
08A	HD-5729-033008	5729		3.30.08		30	9.5	1hr	
09A	HD-33580-033008	33580		3.30.08		30	9	1hr	
10A	HD-20938-033108	20938		3.31.08		30	10	1hr	

Time

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	Notes:
Dayna Pelc 4/2/08 500pm	Monica Gregson AT 4/4/08 940	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		NA	Good	Yes No (None)	0804123

Pelc, Dayna

From: Wolters, Jeana
Sent: Wednesday, April 02, 2008 3:42 PM
To: Pelc, Dayna
Cc: Drew, Thomas A.
Subject: Air Toxics Info

Okay -

PCE, TCE, 111-TCA, 11-DCE, 11-DCA, Freon 113 by method TO-15.
Helium by method ASTM D1946.
Standard TAT - 10 business days.

Please list me on the COC to receive the data package and emailed results. I'll distribute them as soon as I receive them.

J.Wolters @ Westonsolutions.com

Thanks - Jeana

J. M. Wolters
(610) 701-3517 - office
(610) 701-7401 - fax
(302) 420-8763 - mobile

24 canisters for above methods.

Bad canisters: 34495, 4249, 2250

Not used: 33563

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0804123D

Work Order Summary

CLIENT:	Ms. Jeana Wolters Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380	**BILL TO:**	Mr. Tom Drew Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380
PHONE:		**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	04/04/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	04/17/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
11A	HD-95680-033008	Modified ASTM D-1946	8.5 "Hg	5 psi
12A	HD-34483-033108	Modified ASTM D-1946	8.5 "Hg	5 psi
12AA	HD-34483-033108 Lab Duplicate	Modified ASTM D-1946	8.5 "Hg	5 psi
13A	HD-4341-033108	Modified ASTM D-1946	0.5 "Hg	5 psi
14A	HD-22513-033108	Modified ASTM D-1946	6.5 "Hg	5 psi
15A	HD-924-033108	Modified ASTM D-1946	9.0 "Hg	5 psi
16A	HD-14117-033108	Modified ASTM D-1946	9.0 "Hg	5 psi
17A	HD-33321-033108	Modified ASTM D-1946	0.5 "Hg	5 psi
18A	HD-11879-033108	Modified ASTM D-1946	0.0 "Hg	5 psi
19A	HD-33989-033108	Modified ASTM D-1946	3.5 "Hg	5 psi
20A	HD-4223-033108	Modified ASTM D-1946	9.0 "Hg	5 psi
21A	HD-932-033108	Modified ASTM D-1946	5.0 "Hg	5 psi
22A	HD-34472-033108	Modified ASTM D-1946	5.0 "Hg	5 psi
23A	HD-5554-033108	Modified ASTM D-1946	4.5 "Hg	5 psi
24A	HD-34255-033108	Modified ASTM D-1946	5.0 "Hg	5 psi
25A	Lab Blank	Modified ASTM D-1946	NA	NA
26A	LCS	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Linda A. Truman DATE: 04/17/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Weston Solutions, Inc.
Workorder# 0804123D

Fourteen 6 Liter Summa Canister (SIM Certified) samples were received on April 04, 2008. The laboratory performed analysis via Modified ASTM Method D-1946 for Helium in air using GC/TCD. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*ASTM D-1946*	*ATL Modifications*
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

Sample identification for samples HD-924-033108, HD-11879-033108 and HD-33989-033108 were not provided on the sample tags. Therefore the information on the Chain of Custody was used to process and report the samples.

There was a significant difference (greater than 7.0" Hg) between the measured canister receipt vacuum and that which was reported on the Chain of Custody (COC) for samples HD-4341-033108 and HD-33321-033108. Therefore the vacuum measured in the laboratory was used to calculate results.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: HD-95680-033008

Lab ID#: 0804123D-11A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.094	0.65

Client Sample ID: HD-34483-033108

Lab ID#: 0804123D-12A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.094	0.12

Client Sample ID: HD-34483-033108 Lab Duplicate

Lab ID#: 0804123D-12AA

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.094	0.12

Client Sample ID: HD-4341-033108

Lab ID#: 0804123D-13A

No Detections Were Found.

Client Sample ID: HD-22513-033108

Lab ID#: 0804123D-14A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.086	1.0

Client Sample ID: HD-924-033108

Lab ID#: 0804123D-15A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.096	0.16

Client Sample ID: HD-14117-033108

Lab ID#: 0804123D-16A

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: HD-14117-033108

Lab ID#: 0804123D-16A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.096	20

Client Sample ID: HD-33321-033108

Lab ID#: 0804123D-17A

No Detections Were Found.

Client Sample ID: HD-11879-033108

Lab ID#: 0804123D-18A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.067	0.20

Client Sample ID: HD-33989-033108

Lab ID#: 0804123D-19A

No Detections Were Found.

Client Sample ID: HD-4223-033108

Lab ID#: 0804123D-20A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.096	0.42

Client Sample ID: HD-932-033108

Lab ID#: 0804123D-21A

No Detections Were Found.

Client Sample ID: HD-34472-033108

Lab ID#: 0804123D-22A

No Detections Were Found.

Client Sample ID: HD-5554-033108

Lab ID#: 0804123D-23A

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: HD-5554-033108

Lab ID#: 0804123D-23A
No Detections Were Found.

Client Sample ID: HD-34255-033108

Lab ID#: 0804123D-24A
No Detections Were Found.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-95680-033008

Lab ID#: 0804123D-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040812b	Date of Collection:	3/30/08
Dil. Factor:	1.87	Date of Analysis:	4/8/08 03:00 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.094	0.65

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34483-033108

Lab ID#: 0804123D-12A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040813b	Date of Collection:	3/31/08
Dil. Factor:	1.87	Date of Analysis:	4/8/08 03:25 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.094	0.12

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34483-033108 Lab Duplicate

Lab ID#: 0804123D-12AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9040814b**	**Date of Collection: 3/31/08**	
Dil. Factor:	**1.87**	**Date of Analysis: 4/8/08 04:08 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.094	0.12

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-4341-033108

Lab ID#: 0804123D-13A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	90408156	Date of Collection:	3/31/08
Dil. Factor:	1.36	Date of Analysis:	4/8/08 04:39 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.068	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-22513-033108

Lab ID#: 0804123D-14A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040816b	Date of Collection:	3/31/08
Dil. Factor:	1.71	Date of Analysis:	4/8/08 05:13 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.086	1.0

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-924-033108

Lab ID#: 0804123D-15A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040817b	Date of Collection:	3/31/08
Dil. Factor:	1.91	Date of Analysis:	4/8/08 05:35 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.096	0.16

Container Type: 6 Liter Summa Canister (SIM Certified)

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-14117-033108

Lab ID#: 0804123D-16A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040819b	Date of Collection:	3/31/08
Dil. Factor:	1.91	Date of Analysis:	4/8/08 06:46 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.096	20

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-33321-033108

Lab ID#: 0804123D-17A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9040820b**	**Date of Collection:**	**3/31/08**
Dil. Factor:	**1.36**	**Date of Analysis:**	**4/8/08 07:08 PM**

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.068	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-11879-033108

Lab ID#: 0804123D-18A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040818b	Date of Collection:	3/31/08
Dil. Factor:	1.34	Date of Analysis:	4/8/08 06:20 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.067	0.20

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-33989-033108

Lab ID#: 0804123D-19A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040821b	Date of Collection:	3/31/08
Dil. Factor:	1.52	Date of Analysis:	4/8/08 07:32 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.076	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-4223-033108

Lab ID#: 0804123D-20A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9040822b**	**Date of Collection: 3/31/08**	
Dil. Factor:	**1.91**	**Date of Analysis: 4/8/08 07:54 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.096	0.42

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-932-033108

Lab ID#: 0804123D-21A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040823b	Date of Collection:	3/31/08
Dil. Factor:	1.61	Date of Analysis:	4/8/08 08:21 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.080	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34472-033108

Lab ID#: 0804123D-22A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040825b	Date of Collection:	3/31/08
Dil. Factor:	1.61	Date of Analysis:	4/8/08 09:25 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.080	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-5554-033108

Lab ID#: 0804123D-23A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040824b	Date of Collection:	3/31/08
Dil. Factor:	1.58	Date of Analysis:	4/8/08 09:03 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.079	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34255-033108

Lab ID#: 0804123D-24A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040826b	Date of Collection:	3/31/08
Dil. Factor:	1.61	Date of Analysis:	4/8/08 09:47 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.080	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804123D-25A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9040803b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/8/08 09:41 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804123D-26A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9040827	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/8/08 10:15 PM	

Compound	%Recovery
Helium	107

Container Type: NA - Not Applicable

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager _____

Collected by: (Print and Sign) Sam

Company _____ Email _____

Address _____ City _____ State ____ Zip _____

Phone _____ Fax _____

Project Info:
P.O. # _____
Project # _____
Project Name _____

Turn Around Time:
☒ Normal
☐ Rush
_____ specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
11A	HD-95680-033008	95680	3/30/08	~~3:30:08~~ 1hr	Sam	30	8		
12A	HD-34483-033108	34483	3/31/08	1hr		30	10		
13A	HD-4341-033108	4341	3/31/08	57min		30	8.25		
14A	HD-22513-033108	22513		59min		30	9		
15A	HD-924-033108	924		1hr		30	10		
16A	HD-14117-033108	14117		1hr		29.5	8.5		
17A	HD-33321-033108	33321		1hr		30	9		
18A	HD-11879-033108	11879		1hr		30	3.5		
19A	HD-33989-033108	33989		54min		26.5	2		
20A	HD-4223-033108	4223		1hr		30	9.5		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Dayna Dek	4/2/08 5PM	Monica Green ATL	4/4/08 9AM
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		MA	Good	Yes No (None)	0804123

Form 1288 rev. 1

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager _____

Collected by: (Print and Sign) _____

Company Same Email _____

Address _____ City _____ State ___ Zip ___

Phone _____ Fax _____

Project Info:
P.O. # _____
Project # _____
Project Name _____

Turn Around Time:
[X] Normal
[ ] Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
21A	HD-932-033108	932	3.31.08	1hr		30	7.5		
22A	HD-34472-033108	34472		59min		29	10.5		
23A	HD-5554-033108	5554		1hr		30	8		
24A	HD-34255-033108	34255		1hr		30	9		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Dayna Dale	4.2.08 5pm	Monica Gregen ATL	4/4/08 940
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		MA	Good	Yes No (None)	0804123

Form 1293 rev.11

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0804123E

Work Order Summary

CLIENT:	Ms. Jeana Wolters Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380	**BILL TO:**	Mr. Tom Drew Weston Solutions, Inc. 1400 Weston Way P.O. Box 2653 West Chester, PA 19380
PHONE:		**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	04/04/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	04/18/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	HD-34193-033008	Modified TO-15	5.5 "Hg	5 psi
01AA	HD-34193-033008 Lab Duplicate	Modified TO-15	5.5 "Hg	5 psi
09A	HD-33580-033008	Modified TO-15	8.0 "Hg	5 psi
10A	HD-20938-033108	Modified TO-15	8.0 "Hg	5 psi
11A	HD-95680-033008	Modified TO-15	8.5 "Hg	5 psi
12A	Lab Blank	Modified TO-15	NA	NA
12B	Lab Blank	Modified TO-15	NA	NA
13A	CCV	Modified TO-15	NA	NA
13B	CCV	Modified TO-15	NA	NA
14A	LCS	Modified TO-15	NA	NA
14B	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda A. Freeman DATE: 04/18/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Weston Solutions, Inc.
Workorder# 0804123E

Four 6 Liter Summa Canister (SIM Certified) samples were received on April 04, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Samples were transferred from SIM analysis to full scan TO-15 due to high levels of target compounds.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: HD-34193-033008

Lab ID#: 0804123E-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	8.2	25	63	200
1,1-Dichloroethene	8.2	650	32	2600
1,1-Dichloroethane	8.2	540	33	2200
1,1,1-Trichloroethane	8.2	2100	45	11000
Trichloroethene	8.2	38	44	200
Tetrachloroethene	8.2	18	56	120

Client Sample ID: HD-34193-033008 Lab Duplicate

Lab ID#: 0804123E-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	14	27	100	200
1,1-Dichloroethene	14	790	54	3100
1,1-Dichloroethane	14	540	55	2200
1,1,1-Trichloroethane	14	1900	74	10000
Trichloroethene	14	40	73	220
Tetrachloroethene	14	41	92	280

Client Sample ID: HD-33580-033008

Lab ID#: 0804123E-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	9.2	95	70	730
1,1,1-Trichloroethane	9.2	9.5	50	52
Tetrachloroethene	9.2	27	62	180

Client Sample ID: HD-20938-033108

Lab ID#: 0804123E-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	3.7	16	28	120
1,1-Dichloroethene	3.7	60	14	240
1,1-Dichloroethane	3.7	910	15	3700
1,1,1-Trichloroethane	3.7	160	20	880
Trichloroethene	3.7	18	20	99

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: HD-20938-033108

Lab ID#: 0804123E-10A

Tetrachloroethene	3.7	25	25	170

Client Sample ID: HD-95680-033008

Lab ID#: 0804123E-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	3.7	20	29	150
1,1-Dichloroethene	3.7	160	15	620
1,1-Dichloroethane	3.7	230	15	920
1,1,1-Trichloroethane	3.7	1100	20	6100
Trichloroethene	3.7	4.5	20	24
Tetrachloroethene	3.7	10	25	69

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34193-033008

Lab ID#: 0804123E-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1040930	Date of Collection:	3/30/08
Dil. Factor:	16.4	Date of Analysis:	4/10/08 04:20 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	8.2	25	63	200
1,1-Dichloroethene	8.2	650	32	2600
1,1-Dichloroethane	8.2	540	33	2200
1,1,1-Trichloroethane	8.2	2100	45	11000
Trichloroethene	8.2	38	44	200
Tetrachloroethene	8.2	18	56	120

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	95	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-34193-033008 Lab Duplicate

Lab ID#: 0804123E-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1040928	**Date of Collection:**	3/30/08
Dil. Factor:	27.3	**Date of Analysis:**	4/10/08 03:00 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	14	27	100	200
1,1-Dichloroethene	14	790	54	3100
1,1-Dichloroethane	14	540	55	2200
1,1,1-Trichloroethane	14	1900	74	10000
Trichloroethene	14	40	73	220
Tetrachloroethene	14	41	92	280

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	97	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-33580-033008

Lab ID#: 0804123E-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1040929	Date of Collection:	3/30/08
Dil. Factor:	18.3	Date of Analysis:	4/10/08 03:35 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	9.2	95	70	730
1,1-Dichloroethene	9.2	Not Detected	36	Not Detected
1,1-Dichloroethane	9.2	Not Detected	37	Not Detected
1,1,1-Trichloroethane	9.2	9.5	50	52
Trichloroethene	9.2	Not Detected	49	Not Detected
Tetrachloroethene	9.2	27	62	180

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	94	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-20938-033108

Lab ID#: 0804123E-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1040926	Date of Collection:	3/31/08
Dil. Factor:	7.32	Date of Analysis:	4/10/08 01:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	3.7	16	28	120
1,1-Dichloroethene	3.7	60	14	240
1,1-Dichloroethane	3.7	910	15	3700
1,1,1-Trichloroethane	3.7	160	20	880
Trichloroethene	3.7	18	20	99
Tetrachloroethene	3.7	25	25	170

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	94	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: HD-95680-033008

Lab ID#: 0804123E-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1041714	Date of Collection:	3/30/08
Dil. Factor:	7.48	Date of Analysis:	4/17/08 07:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	3.7	20	29	150
1,1-Dichloroethene	3.7	160	15	620
1,1-Dichloroethane	3.7	230	15	920
1,1,1-Trichloroethane	3.7	1100	20	6100
Trichloroethene	3.7	4.5	20	24
Tetrachloroethene	3.7	10	25	69

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804123E-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1040904	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/9/08 10:51 AM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	95	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804123E-12B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1041711	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/17/08 05:18 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804123E-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1040902	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/9/08 09:07 AM	

Compound	%Recovery
Freon 113	96
1,1-Dichloroethene	92
1,1-Dichloroethane	110
1,1,1-Trichloroethane	110
Trichloroethene	103
Tetrachloroethene	109

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	99	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804123E-13B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1041708	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/17/08 03:10 PM	

Compound	%Recovery
Freon 113	93
1,1-Dichloroethene	89
1,1-Dichloroethane	106
1,1,1-Trichloroethane	111
Trichloroethene	102
Tetrachloroethene	103

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	101	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804123E-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1040903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/9/08 09:59 AM**	

Compound	%Recovery
Freon 113	103
1,1-Dichloroethene	97
1,1-Dichloroethane	108
1,1,1-Trichloroethane	107
Trichloroethene	101
Tetrachloroethene	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	99	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804123E-14B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	1041709	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/17/08 04:00 PM	

Compound	%Recovery
Freon 113	97
1,1-Dichloroethene	93
1,1-Dichloroethane	106
1,1,1-Trichloroethane	106
Trichloroethene	97
Tetrachloroethene	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Jana Wolters
Collected by: (Print and Sign) Dayna Pelc Dayna Pelc
Company Weston Solutions Email J.Wolters@WestonSolutions.com
Address 1400 Weston Way City West Chester State PA Zip 19380
Phone 610.701.3517 Fax

Project Info:
P.O. #
Project #
Project Name

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only:
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final
01A	HD-34193-033008	34193	3.30.08	3.30.08	PCE, TCE, 111-TCA, 11-DCE, 11-DCA, Freon 113, TO-15 Helium - ASTM D1946	30	-12	1hr	
02A	HD-3889-033008	3889		3.30.08		28	7.5	1hr	
03A	HD-429-033008	429		3.30.08		30	9	1hr	
04A	HD-25304-033108	25304		3.31.08		30	12	5hr 10min	
05A	HD-1621-033008	1621		3.30.08		30	10	1hr	
06A	HD-34439-033008	34439		3.30.08		29	8	1hr	
07A	HD-35269-033108	35269		3.31.08		28	16	1hr	
08A	HD-5729-033008	5729		3.30.08		30	9.5	1hr	
09A	HD-33580-033008	33580		3.30.08		30	9	1hr	
10A	HD-20938-033108	20938		3.31.08		30	10	1hr	

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes:
Dayna Pelc	4/2/08 500pm	Monica Griffin AIT	4/4/08 940	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp. (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		NA	Good	Yes No None	0804123

Form 1028 rev.01

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager ______

Collected by: (Print and Sign) Sam

Company ______ Email ______

Address ______ City ______ State ______ Zip ______

Phone ______ Fax ______

Project Info:

P.O. # ______

Project # ______

Project Name ______

Turn Around Time:

☒ Normal

☐ Rush

______ specify

Lab Use Only

Pressurized by:

Date:

Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
11A	HD-95680-033008	95680	3/30/08	~~3/30/08~~ 1hr	Same	30	8		
12A	HD-34483-033108	34483	3/31/08	1hr		30	10		
13A	HD-4341-033108	4341	3/31/08	57min		30	8.25		
14A	HD-22513-033108	22513		59min		30	9		
15A	HD-924-033108	924		1hr		30	10		
16A	HD-14117-033108	14117		1hr		29.5	8.5		
17A	HD-33321-033108	33321		1hr		30	9		
18A	HD-11879-033108	11879		1hr		30	3.5		
19A	HD-33989-033108	33989		54min		26.5	2		
20A	HD-4223-033108	4223		1hr		30	9.5		

hw 4/2/08

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	Notes:
[signature] 4/2/08 5PM	Monica Greben ATL 4/4/08 9:40	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		NA	Good	Yes No (None)	0804123

Pelc, Dayna

From: Wolters, Jeana
Sent: Wednesday, April 02, 2008 3:42 PM
To: Pelc, Dayna
Cc: Drew, Thomas A.
Subject: Air Toxics Info

Okay -

PCE, TCE, 111-TCA, 11-DCE, 12-DCA, Freon 113 by method TO-15.
Helium by method ASTM D1946.
Standard TAT - 10 business days.

Please list me on the COC to receive the data package and emailed results. I'll distribute them as soon as I receive them.

J. Wolters @ Westonsolutions.com

Thanks - Jeana

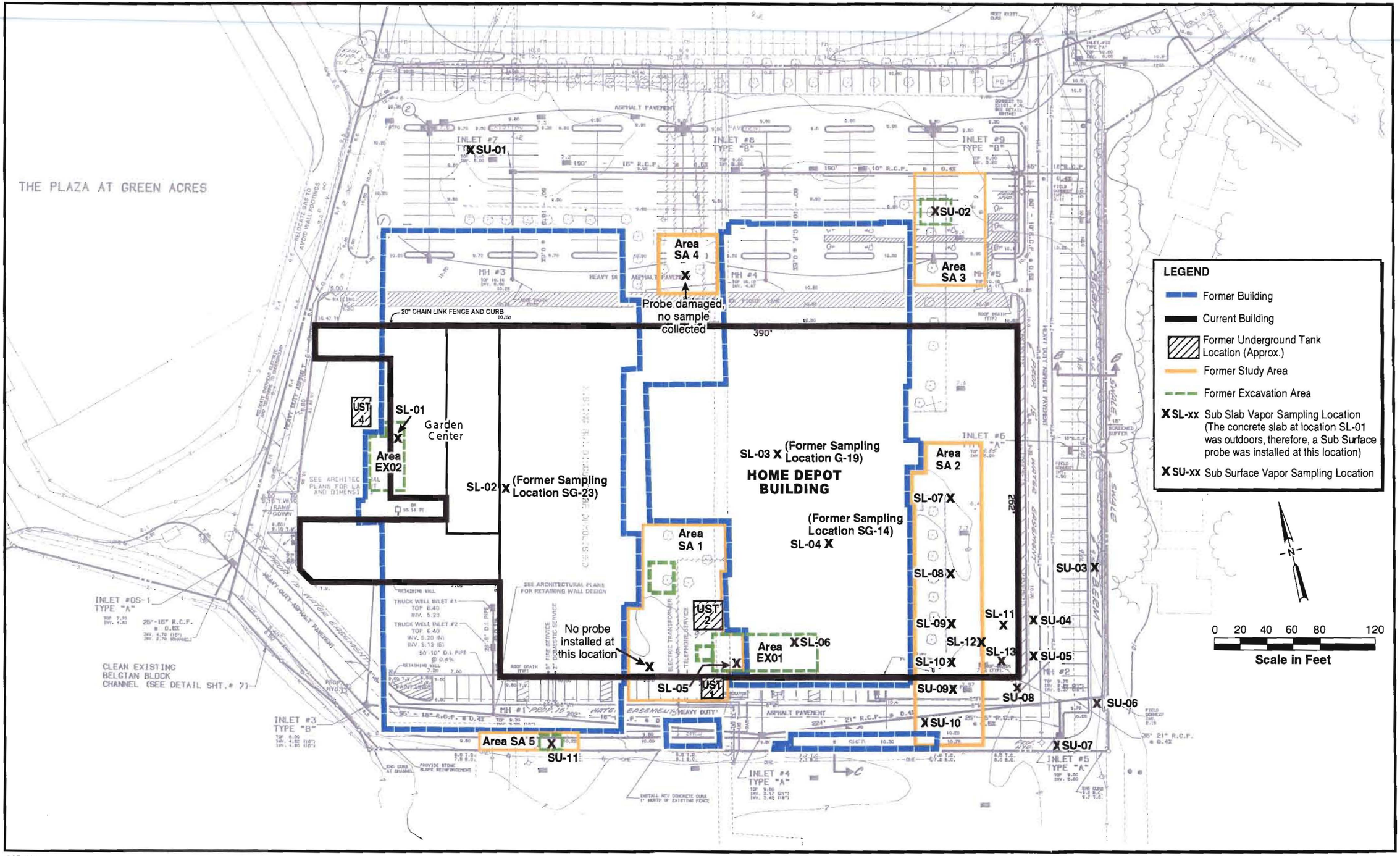
J. M. Wolters
(610) 701-3517 - office
(610) 701-7601 - fax
(302) 420-9763 - mobile

24 canisters for above methods.

Bad canisters: 34495, 4249, 2250

Not used: 33563

4/2/2008



06P-1392-07

FIGURE 1 VAPOR SAMPLING LOCATIONS HOME DEPOT U.S.A., INC. VALLEY STREAM, NEW YORK