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April 23, 2007

Mr. Benjamin Rung
New York State
Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, New York 12233

Re: Work Assignment #D004437-3
ISVWA- Marx Residence
Mt. Kisco, Westchester County, New York
Site ID No. 3-60-024

Dear Mr. Rung:

Camp Dresser & McKee (CDM) is pleased to present this letter report, outlining the procedures and sampling approach for an Immediate Soil Vapor Work Assignment (ISVWA) at the above referenced site. This letter report outlines tasks associated with the soil vapor intrusion investigation at the Marx Residence Site (the Site) located in the Town of New Castle, Village of Mount Kisco, Westchester County, New York. This project was part of the New York State Department of Environmental Conservation (NYSDEC) Work Assignment #D004437-3. The scope of work was prepared by NYSDEC in the work assignment dated August 12, 2006. CDM prepared a Health and Safety Plan (HASP) for the site, which was provided to NYSDEC on January 23, 2007. This work was conducted in accordance with the New York State Department of Health Final *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006.

Background

The Site is a 4-acre residential property on the west side of Route 128 (Armonk Rd.) in the Town of New Castle just north of the town line. The house is set back approximately 100 feet from the road with a low-lying area in front. The surface drainage at the southeast portion of the property flows towards Wampus Pond and that at the northeast portion flows north.

Sometime during the period of September 1987 to September 1989, tenants who were renting the house are alleged to have used the residence as a drug processing facility and to have discharged organic chemicals into the septic system of this residence. This resulted in the contamination of the homeowner's well, and an off-site private well to the immediate south.



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Initial monitoring was conducted by the Westchester County Health Department. NYS groundwater quality standards were contravened for trichloroethene (TCE), tetrachloroethene (PCE), cis-1,2-dichloroethene, acetone, methyl ethyl ketone (MEK) and toluene. Soil sampling found contaminated soil in the septic system and leach-field area on the Site.

A Division of Environmental Enforcement stipulation agreement for site access is in place. Private wells in the area are contaminated and are being monitored by the New York State Department of Health and the Westchester County Department of Health. Wells with contamination above standards are treated with carbon filtration systems. The state performed an Interim Remedial Measure (IRM) which included; replacement of the existing septic system, soil removal in the sewage disposal area and maintenance and testing of the granular activated carbon (GAC) treatment systems provided on the Site and adjoining property owner's private wells. Quarterly water sampling of wells with carbon filtration systems was conducted by the Department of Environmental Conservation (DEC) to monitor the system effectiveness. As of March 2002, all of the subject homes have been placed on municipal water.

Overview

The soil vapor intrusion investigation was conducted on January 29th and 30th, 2007 and included groundwater sampling, subsurface and indoor sub-slab soil vapor sampling and indoor and outdoor ambient air sampling. CDM subcontracted Zebra Environmental located in Lynbrook, New York for the direct push drilling services and Chemtech located in Mountainside, New Jersey for the analytical services.

The purpose of the investigation was to determine if soil vapors are present in the subsurface and indoor air at the Site that may be impacting the residents of the on-site structure or surrounding properties. Soil vapor samples were collected on the property to determine the concentrations of volatile organic compounds present in the unsaturated zone. Groundwater samples were co-located with the soil vapor samples to determine if groundwater at the sample locations was contaminated with volatile organic compounds (VOCs) and to determine if a correlation exists between VOC concentrations in groundwater and soil vapor. Sub-slab soil vapor and indoor air samples were collected inside the on-site structure to determine whether VOCs are impacting the air within the structure.

The investigation involved installing temporary soil vapor probes at five locations selected by NYSDEC, in consultation with NYSDOH. At each location, a boring was advanced to determine the depth of groundwater. Once the groundwater elevation had been established, a temporary well point was installed to collect a groundwater sample. The intent was to install a shallow soil vapor point at the depth of the building foundation (about 8 feet below



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ground surface) and a deeper one approximately two feet above the water table surface. Since groundwater at the site was relatively shallow, only shallow soil vapor points were installed at each location. An indoor sub-slab soil vapor point was installed through the basement slab of the house and indoor air samples were collected on the basement level, which is used as a living space, and on the first floor of the house. The sample locations are identified on Figure 1.

A summary of the sampling methodology is presented below. Photo-documentation is provided in Attachment A. Copies of the field notes are provided in Attachment B.

Temporary Groundwater Well Installation

At five locations, one-inch macro core samplers were used to collect continuous soil samples at 4-foot intervals to determine the depth of groundwater. Temporary groundwater wells were installed on January 29, 2007 by Zebra Environmental. Each temporary well was driven to its final depth using direct push technology.

Once saturated soil was observed in the macro core, a 1-inch PVC slotted screen and riser were installed four feet into the saturated zone. Sufficient time was allowed for groundwater to enter the well through the screened interval prior to sample collection. Groundwater was encountered between two and five feet below ground surface (bgs) across the Site.

Temporary Groundwater Well Sampling

Once the temporary PVC well was installed, an appropriate length of 3/8-inch Teflon polyethylene tubing with a stainless steel check-valve on the end was inserted into the well to purge and collect the groundwater sample. An attempt was made to purge the well until the groundwater flowed clear. Groundwater samples were collected from four locations (360024-GW-1, -GW-2, GW-4, and GW-5) on January 29, 2007. At the location of temporary well point GW-3 the subsurface soils were very fine-grained and did not allow the well to yield sufficient water for the collection of a sample, even after the well was allowed to sit for several hours. A duplicate groundwater sample was collected at location GW-2.

The groundwater samples were collected in three 40ml vials (preserved with hydrochloric acid) and submitted to Chemtech under chain-of-custody protocol for volatile organic compound (VOC) analysis by EPA Method OLC02.1. Upon completing the sampling, the tubing and PVC were removed from the borehole and the borehole was then backfilled with bentonite up to the ground surface. The sample identification and depth of groundwater in each well is summarized in Table 1. The groundwater sample results are provided in Table 2 and a complete analytical report is provided in Attachment E.



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Subsurface Soil Vapor Point Installation

Subsurface soil vapor (SV) points were installed at the Site on January 29, 2007 by Zebra Environmental, in accordance with New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. Five shallow soil vapor points (360024-SV-1S, -SV-2S, -SV-3S, -SV-4S, and -SV-5S) were installed at the locations shown on Figure 1. A duplicate soil vapor sample was collected at SV-4S. CDM personnel observed the installation of the sampling points. The sample identification and depth of each sampling point is summarized in Table 1.

The soil vapor points were installed to the desired sampling depth using direct push drilling methods. At each location, stainless steel rods equipped with detachable stainless steel drive points were driven to the desired depth. Once the probe was in place, the drive rod was retracted slightly to expose a 6-inch sampling screen and sampling port. Teflon-lined tubing was inserted through the rods and attached to the soil gas probe just above the tip. The borehole was then backfilled with sand to a minimum depth of 6 inches above the screen interval. A bentonite slurry was then placed from approximately 6 inches above the screen to the ground surface. The bentonite was allowed to set-up for a minimum of 24 hrs prior to sample collection.

Subsurface Soil Vapor Sampling and Analysis

Five shallow subsurface soil vapor points were sampled at the Site by CDM on January 30, 2007. Prior to sampling, sample probes were tested for potential surface air infiltration using helium tracer gas test. The procedure for helium tracer gas testing was conducted in accordance with the NYSDOH guidance document as follows:

- The soil vapor sampling tube is run through a hole in the bottom of a pre-prepared enclosure that is placed over the borehole. (See photo log)
- Helium gas is released through a sample port into the enclosure until a concentration of greater than 80 percent (%) is reached. The Helium enriched environment is monitored and confirmed with a Dielectric multi-gas detector inserted into a second sample port.
- After confirming 80% helium in the enclosure, the soil vapor sampling tube is purged using the low-flow air sample pump purging at a rate of not more than 0.2 liters per minute and discharging to a one-liter Tedlar bag. The Tedlar bag is removed when full, and screened for helium using a helium gas detector and for volatile organic compounds (VOCs) using a MiniRae photo ionization detector (PID). Tracer gas testing was performed at all sample locations. All helium detections observed during tracer tests were found to be below 10-percent, as required by the NYSDOH guidance.



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The subsurface soil vapor samples were collected using individual certified-clean 1.4-liter stainless steel SUMMA canisters equipped with laboratory-calibrated flow regulators set at approximately 1-hour. The flow rate at each location during sample collection was less than 0.2 liters per minute. The initial and final vacuum in the canister was recorded as well as the start and finish time of the sampling. Once the sample canister vacuum became less than 5 inches of mercury, the sample container was disconnected. Each SUMMA canister was labeled with sample identification, the start and end time of sample collection, date, project identification and required laboratory analysis. The same information was recorded in the field notes. The air samples were submitted to Chemtech under chain-of-custody protocol for VOC analysis using EPA Method TO-15. The results are summarized in Table 3 and a complete analytical report is provided in Attachment E.

Sub-Slab Soil Vapor Point Installation

One indoor sub-slab soil vapor sample point was installed by CDM on January 29, 2007 in the basement area of the on-site structure. Prior to installation of the sub-slab vapor probe, the building floor was inspected and any penetrations were noted and recorded. The sub-slab sample point was installed by using hammer drill with a 1.25-inch diameter bit to drill a hole to a depth of approximately three inches beneath the 2-inch concrete slab. When drilling was complete, the area around the borehole was cleaned. A probe constructed with 3/8-inch outer diameter, 1/4-inch inner diameter Teflon® tubing was extended about 2 inches into the sub-slab material. The annular space between the borehole and the sample tubing was filled and sealed with wax at the surface, to prevent ambient air infiltration during purging and sampling. Once the probe was installed, tracer testing was conducted as described above.

Sub-Slab Soil Vapor Point Sampling and Analysis

One sub-slab soil vapor sample (360024-SS-1) was collected in accordance with the NYSDOH guidance document. The sub-slab soil vapor sampler was setup on January 29, 2007 with a 6-liter Summa canister equipped with 24-hour laboratory-calibrated flow regulator. The flow rate during sample collection was less than 0.2 liters per minute. A duplicate sub-slab sample was not collected. The sample was collected on January 30, 2007. Sample collection was terminated before the canister vacuum reached zero inches of mercury. The canister vacuum levels at the beginning and end of sample collection was recorded on the sample label, in the field log book and on the sample chain of custody form. The SUMMA canister was labeled with the sample identification, the start and end time of sample collection, date, project identification and required laboratory analysis. The sub-slab soil vapor sample was submitted to Chemtech under chain-of-custody protocol for VOC analysis using EPA Method TO-15. The results are summarized in Table 3 and a complete analytical report is provided in Attachment E.



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Indoor and Outdoor Ambient Air Sampling and Analysis

Ambient air sample collection was conducted in accordance with the NYSDOH guidance document. As shown on Figure 1, two ambient air samples were collected on the basement level of the onsite structure (360024-BA-1 and -BA-2) and one indoor air sample was collected on the first floor of the onsite structure (360024-FF). Sample 360024-BA-2 was collected as a duplicate sample. One outdoor ambient air sample (360024-OA-1) was collected from the porch located on the east side of the residence. The indoor samplers were setup on January 29, 2007 with 6-liter Summa canisters equipped with 24-hour laboratory-calibrated flow regulators. The flow rate during sample collection was less than 0.2 liters per minute. These samples were collected on January 30, 2007. The outdoor ambient air sample was set-up on January 30, 2007 and collected on January 31, 2007. CDM also completed the NYSDOH *Indoor Air Quality Questionnaire and Building Inventory* form for the Site as part of the indoor air sampling. A copy of this form is provided in Attachment C.

Sample collection was terminated before the canister vacuum reached zero inches of mercury, with the exception of sample 360024-FF, which had reached zero at the time it was collected. The canister vacuum levels at the beginning and end of sample collection were recorded on the sample label, in the field log book and on the sample chain of custody form. Each SUMMA canister was labeled with sample identification, the start and end time of sample collection, date, project identification and required laboratory analysis. The air samples were submitted to Chemtech under chain-of-custody protocol for VOC analysis using EPA Method TO-15. The results are summarized in Table 3 and a complete analytical report is provided in Attachment E.

Data Validation

Data validation was completed by Ms. Nancy Potak of Greensboro, Vermont. A copy of the Data Usability Summary Report (DUSR) is provided in Attachment D.

In accordance with Immediate Soil Vapor Work Assignment #D004437, no conclusions or recommendations are provided. CDM is available to meet with you to review the report and address NYSDEC comments. If you have and questions, please call me at (732) 590-4609.

Very truly yours,


Jessica R. Beattie, P.G.
Project Manager



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Attachments:

Figure 1 - Site and Sample Identification Plan

Table 1 - Sample Summary Table

Table 2 - Summary of Groundwater Sample Results

Table 3 - Summary of Soil Vapor/ Air Sample Results

Attachment A - Photo Log

Attachment B - Field Log Book Notes

Attachment C - NYSDOH Indoor Air Quality Questionnaire and Building Inventory

Attachment D - Data Usability Summary Report (DUSR)

Attachment E - Laboratory Report

Attachments

Figure



New York State
Department of Environmental Conservation
Division of Environmental Remediation

Map Details

Created in ArcGIS 9.1

Created by B. Rung

Date of Last Revision: 03/19/2007

UNAUTHORIZED DUPLICATION
IS A VIOLATION OF APPLICABLE LAWS

Soil-Gas & Structure Sample Locations

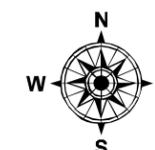
Marx Residence
Site No. 3-60-024

Westchester County
Town of New Castle
Village of Mount Kisco

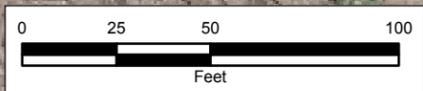
DEC Contact:
Rung

DOH Contact:
Crua

Spring 2004
Aerial Photography



North American Datum 1983
UTM Zone 18N



	Soil Vapor Point Locations
	Sub-Slab/Structure Samples

Tables

Table 1
 NYSDEC Work Assignment # D004437-3
 Marx Residence Site No. 3-60-024
 Sample Location Information Summary

Subsurface Soil Vapor Sampling					
Location	Sample ID	Depth of Sample (Ft BGS)	PID Reading (PPM)	Helium Tracer Test Reading	Can # / Reg #
SV-1S	360024-SV-1S	3.0	1.9	0 ppm	10684 / 10224
SV-2S	360024-SV-2S	1.8	2.3	2.70%	10742 / 10109
SV-3S	360024-SV-3S	3.5	1.6	1400 ppm	10650 / 10696
SV-4S	360024-SV-4S	3.5	0.6	75 ppm	10725 / 10501
SV-4S	360024-SV-44S*	3.5	0.6	75 ppm	10788 / 10185
SV-5S	360024-SV-5S	3.0	1.5	1850 ppm	10715 / 10508

Sub-slab Vapor, Indoor and Outdoor Ambient Air Sampling					
Location	Sample ID	Depth of Sample (Ft BGS)	PID Reading (PPM)	Helium Tracer Test Reading	Can # / Reg #
SS-1	360024-SS-1	NA	0	0 ppm	10677 / 10568
BA-1	360024-BA-1	NA	NA	NA	10021 / 10540
BA-2	360024-BA-2*	NA	NA	NA	10022 / 10190
FF	360024-FF	NA	NA	NA	10403 / 10546
OA	360024-OA	NA	NA	NA	10600 / 10555

Groundwater Sampling		
Location	Sample ID	Depth to GW (Ft BGS)
GW-1	360024-GW-1	5.0
GW-2	360024-GW-2	2.0
GW-2	360024-GW-22*	4.5
GW-3	No Sample	4.5
GW-4	360024-GW-4	5.0
GW-5	360024-GW-5	4.5

Legend

BA= Basement Air

BGS= Below Ground Surface

FF= First Floor Air

* - Duplicate Sample

GW= Groundwater

NA= Not Applicable

OA= Outdoor Air

S= Shallow

SS= Sub-slab

SV=Soil Vapor

**TABLE 2
GROUNDWATER DATA
MARX RESIDENCE
Mt. Kisco, NY**

Sample ID		360024-GW-1	360024-GW-2	360024-GW-22	360024-GW-4	360024-GW-5	360024-FB	VOA-TRIPBLANK
Lab Sample Number		Y1293-11	Y1293-13	Y1293-09	Y1293-08	Y1293-12	Y1293-10	Y1293-07
Sampling Date		01/29/07	01/29/07	01/29/07	01/29/07	01/29/07	01/29/07	01/25/07
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #							
1,1,1-Trichloroethane	71-55-6	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	79-34-5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	79-00-5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	75-34-3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	75-35-4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	120-82-1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane	96-12-8	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	106-93-4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	95-50-1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	107-06-2	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	78-87-5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	541-73-1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	106-46-7	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	78-93-3	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
2-Hexanone	591-78-6	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Methyl-2-pentanone	108-10-1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetone	67-64-1	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Benzene	71-43-2	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	75-27-4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	75-25-2	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	74-83-9	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon disulfide	75-15-0	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	56-23-5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	108-90-7	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	75-00-3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	67-66-3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane	74-87-3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	156-59-2	0.50 U	0.44 J	0.30 J	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	10061-01-5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	110-82-7	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	124-48-1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	75-71-8	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	100-41-4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Isopropylbenzene	98-82-8	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m&p-xylenes	126777-61-2	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methyl Acetate	79-20-9	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methyl tert-butyl Ether	1634-04-4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

**TABLE 2
GROUNDWATER DATA
MARX RESIDENCE
Mt. Kisco, NY**

Sample ID		360024-GW-1	360024-GW-2	360024-GW-22	360024-GW-4	360024-GW-5	360024-FB	VOA-TRIPBLANK
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Sampling Date		01/29/07	01/29/07	01/29/07	01/29/07	01/29/07	01/29/07	01/25/07
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #							
Methylcyclohexane	108-87-2	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	75-09-2	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.52	0.50 U
o-xylene	95-47-6	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	100-42-5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	127-18-4	0.50 U	0.62	1.5	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	108-88-3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	156-60-5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	10061-02-6	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trichloroethene	79-01-6	0.50 U	0.57	0.59	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	75-69-4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl chloride	75-01-4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Total Confident Conc. VOC		0	1.63	2.39	0	0	0.52	0.41
Total TICs		0	0	3.71	0	1.74	0	0

Qualifiers

- U - The compound was not detected at the indicated concentration.
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- NR - Not analyzed

TABLE 3
SOIL VAPOR/AIR DATA
MARX RESIDENCE
Mt. Kisco, NY

Sample ID		360024-SV-1S	360024-SV-2S	360024-SV-3S	360024-SV-4S	360024-SV-44S	360024-SV-5S	360024-SS-1	360024-OA-1	360024-BA-1	360024-BA-2	360024-FF
Lab Sample Number		Y1293-02	Y1293-06	Y1293-01	Y1293-04	Y1293-05	Y1293-03	Y1293-15	Y1293-14	Y1293-16	Y1293-17	Y1293-18
Sampling Date		01/30/07	01/30/07	01/30/07	01/30/07	01/30/07	01/30/07	01/29/07	01/31/07	01/29/07	01/29/07	01/29/07
Matrix		AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR
Units		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
COMPOUND	CAS #											
1,1,1-Trichloroethane	71-55-6	0.12 U	0.24 U	0.12 U	0.24 U	0.16 U	0.24 U	0.24 U	0.12 U	0.12 UJ	0.12 UJ	0.12 UJ
1,1,2,2-Tetrachloroethane	79-34-5	0.45 U	0.89 U	0.45 U	0.89 U	0.58 U	0.89 U	0.89 U	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ
1,1,2-Trichloroethane	79-00-5	0.29 U	0.6 U	0.29 U	0.6 U	0.38 U	0.6 U	0.6 U	0.29 U	0.29 UJ	0.29 UJ	0.29 U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.19 U	0.38 U	0.19 U	0.38 U	0.24 U	0.38 U	0.38 U	0.99	1.15 J	0.19 UJ	1.07 J
1,1-Dichloroethane	75-34-3	0.14 U	0.28 U	0.14 U	0.28 U	0.18 U	0.28 U	0.28 U	0.14 U	0.14 UJ	0.14 UJ	0.14 UJ
1,1-Dichloroethene	75-35-4	0.12 U	0.25 U	0.12 U	0.25 U	0.16 U	0.25 U	0.25 U	0.12 U	0.12 UJ	0.12 UJ	0.12 UJ
1,2,4-Trichlorobenzene	120-82-1	0.35 U	0.7 U	0.35 U	0.7 U	0.45 U	0.7 U	0.7 U	0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ
1,2,4-Trimethylbenzene	95-63-6	2.85	199 EJ	6.97	2.36	2.75	11.3	15.5 J	0.18 UJ	0.18 UJ	0.79 J	5.6 J
1,2-Dibromoethane	106-93-4	0.26 U	0.52 U	0.26 U	0.52 U	0.34 U	0.52 U	0.52 U	0.26 U	0.26 UJ	0.26 UJ	0.26 U
1,2-Dichlorobenzene	95-50-1	0.25 U	0.51 U	0.25 U	0.51 U	0.33 U	0.51 U	1.68 J	0.25 UJ	0.25 UJ	0.25 UJ	0.25 UJ
1,2-Dichloroethane	107-06-2	0.12 U	0.24 U	0.12 U	0.24 U	0.16 U	0.24 U	0.24 U	0.12 U	0.12 UJ	0.12 UJ	0.12 U
1,2-Dichloropropane	78-87-5	0.23 U	0.45 U	0.23 U	0.45 U	0.3 U	0.45 U	0.45 U	0.23 U	0.23 UJ	0.23 UJ	0.23 U
1,3,5-Trimethylbenzene	108-67-8	4.71	95.5	10.7	0.24 U	1.18	6.77	4.42 J	0.12 UJ	0.12 UJ	0.12 UJ	1.77 J
1,3-Butadiene	106-99-0	0.09 U	0.18 U	0.09 U	0.18 U	0.11 U	0.18 U	0.18 U	0.09 UJ	0.09 UJ	0.09 UJ	0.09 UJ
1,3-Dichlorobenzene	541-73-1	0.13 U	0.26 U	0.13 U	0.26 U	0.17 U	0.26 U	1.2 J	0.13 UJ	0.13 UJ	0.13 UJ	0.13 UJ
1,4-Dichlorobenzene	106-46-7	0.2 U	0.41 U	0.2 U	1.68 J	2.27 J	0.41 U	18.3 J	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
1,4-Dioxane	123-91-1	0.19 U	0.4 U	0.19 U	0.4 U	0.25 U	0.4 U	0.4 U	0.19 U	0.19 UJ	0.19 UJ	0.19 U
2,2,4-Trimethylpentane	540-84-1	2.05	5.04	1.21	0.93 J	0.79 J	2.05	0.29 U	0.14 U	0.14 UJ	0.14 UJ	0.14 U
2-Butanone	78-93-3	1.35	14.6	3.71	3.71	2.22 J	0.28 U	66.6 J	0.14 U	0.14 UJ	0.14 UJ	0.14 U
2-Hexanone	591-78-6	0.09 U	0.18 U	0.09 U	0.18 U	0.12 U	0.18 U	0.18 U	0.09 UJ	0.09 UJ	0.09 UJ	0.09 UJ
4-Ethyltoluene	622-96-8	2.75 J	40.9 J	7.17 J	0.15 U	0.09 J	3.93 J	3.93 J	0.07 UJ	0.07 UJ	0.49 J	1.77 J
4-Methyl-2-Pentanone	108-10-1	0.11 U	5.24	0.7 J	0.21 U	0.14 U	0.21 U	0.21 U	0.11 U	0.11 UJ	0.11 UJ	0.11 U
Acetone	67-64-1	15.8	97.1 EJ	31.5	27.6	18.8 J	18.7	387 D	5.79	11.9 J	10.4 J	41 J
Allyl Chloride	107-05-1	0.08 U	0.15 U	0.08 U	0.15 U	0.1 U	0.15 U	0.15 U	0.08 U	0.08 UJ	0.08 UJ	0.08 UJ
Benzene	71-43-2	2.04	6.44	2.36	2.04	1.74 J	3.57	2.87 J	1.63	3.19 J	4.34 J	6.8
Benzyl Chloride	100-44-7	0.14 U	0.29 UJ	0.14 UJ	0.29 UJ	0.18 UJ	0.29 UJ	0.29 UJ	0.14 UJ	0.14 UJ	0.14 UJ	0.14 UJ
Bromodichloromethane	75-27-4	0.27 U	0.54 U	0.27 U	0.54 U	0.35 U	0.54 U	0.54 U	0.27 UJ	0.27 UJ	0.27 UJ	0.27 U
Bromoethene	593-60-2	0.11 U	0.23 U	0.11 U	0.23 U	0.15 U	0.23 U	0.23 U	0.11 U	0.11 UJ	0.11 UJ	0.11 UJ
Bromoform	75-25-2	0.25 U	0.5 U	0.25 U	0.5 U	0.32 U	0.5 U	0.5 U	0.25 U	0.25 UJ	0.25 UJ	0.25 U
Bromomethane	74-83-9	0.13 U	0.26 U	0.13 U	0.26 U	0.17 U	0.26 U	0.26 U	0.13 UJ	0.13 UJ	0.13 UJ	0.13 UJ
Carbon Disulfide	75-15-0	0.62	1.8	3.98	5.35	3.43 J	2.3	2.05	0.07 U	0.07 UJ	0.07 UJ	0.34 J
Carbon Tetrachloride	56-23-5	0.19 U	0.38 U	0.19 U	0.38 U	0.25 U	0.38 U	0.38 U	0.19 U	0.19 UJ	0.19 UJ	0.19 U
Chlorobenzene	108-90-7	0.31 U	0.6 U	0.31 U	0.6 U	0.4 U	0.6 U	0.6 U	0.31 UJ	0.31 UJ	0.31 UJ	0.31 UJ
Chloroethane	75-00-3	0.1 U	0.2 U	0.1 U	0.2 U	0.13 U	0.2 U	0.2 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Chloroform	67-66-3	0.12 U	4.58	0.83 J	3.11	2.91 J	1.27	1.07	0.12 U	0.12 UJ	0.12 UJ	0.68 J
Chloromethane	74-87-3	0.2 J	0.15 U	0.07 U	0.15 U	0.1 U	0.15 U	0.15 U	0.98	1.06 J	1 J	1.15 J
cis-1,2-Dichloroethene	156-59-2	0.13 U	6.11	0.13 U	0.27 U	0.17 U	0.27 U	0.27 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
cis-1,3-Dichloropropene	10061-01-5	0.14 U	0.28 U	0.14 U	0.28 U	0.18 U	0.28 U	0.28 U	0.14 U	0.14 UJ	0.14 UJ	0.14 U
Cyclohexane	110-82-7	0.87	2.41	1.01 J	1.61	1.31 J	0.21 U	2.35	0.1 U	0.1 UJ	0.74 J	8.55 J
Dibromochloromethane	124-48-1	0.32 U	0.65 U	0.32 U	0.65 U	0.42 U	0.65 U	0.65 U	0.32 UJ	0.32 UJ	0.32 UJ	0.32 U
Dichlorodifluoromethane	75-71-8	1.83	2.08	1.98	2.28	1.42 J	2.08	1.88	2.67	2.18 J	2.52 J	2.33 J
Dichlorotetrafluoroethane	76-14-2	0.22 U	0.43 U	0.22 U	0.43 U	0.28 U	0.43 U	0.43 U	0.22 U	0.22 UJ	0.22 UJ	0.22 UJ
Ethyl Acetate	141-78-6	22.9	26.6	16.3	31	20.9 J	65.8	104	84.2 DJ	107 DJ	226 DJ	91.4 DJ
Ethyl Benzene	100-41-4	2.51	31.3	3.38	2.6	2.86	4.25	4.94 J	0.16 UJ	0.65 J	0.78 J	4.81 J
Heptane	142-82-5	2.9	11.5	2.7	2.7	2.39 J	4.83	12.3	0.16 U	1.1 J	1.19 J	13.7 J
Hexachloro-1,3-Butadiene	87-68-3	0.45 U	0.9 U	5.98 J	0.9 U	0.59 U	0.9 U	0.9 U	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ
Hexane	110-54-3	0.13 U	0.25 U	0.13 U	0.25 U	5.03 J	0.25 U	0.25 U	0.13 UJ	0.13 UJ	0.13 UJ	16.5 J
Isopropyl Alcohol	67-63-0	0.54	1.37	0.59 J	0.06 U	1.82 J	0.06 U	8.1	7.95	3.68 J	29.5 J	16.2 J
m/p-Xylene	126777-61-	4.68	129	6.59	6.59	7.54	14.9	18.5 J	0.87 J	1.65 J	1.99 J	14 J
Methyl tert-Butyl Ether	1634-04-4	0.72	48.4	0.47 J	0.17 U	0.56 J	1.01	0.17 U	0.09 U	0.09 UJ	0.09 UJ	1.73 J
Methylene Chloride	75-09-2	1.6	3.82	2.36	1.81	1.27 J	2.02	2.64	2.92 J	3.16 J	3.16 J	2.16 J
o-Xylene	95-47-6	3.47	50.7	6.85	2.69	3.12	4.94	5.55 J	0.17 UJ	0.65 J	0.69 J	5.29 J
Propene	115-07-1	4.38	13.3	5.46	11.1	6.39 J	7.52	0.17 U	1.6	0.09 UJ	1.56 J	6.24 J
Styrene	100-42-5	0.19 U	0.37 U	0.19 U	0.37 U	0.66 J	0.37 U	5.36 J	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ
t-1,3-Dichloropropene	10061-02-6	0.11 U	0.23 U	0.11 U	0.23 U	0.15 U	0.23 U	0.23 U	0.11 U	0.11 UJ	0.11 UJ	0.11 U

**TABLE 3
SOIL VAPOR/AIR DATA
MARX RESIDENCE
Mt. Kisco, NY**

Sample ID		360024-SV-1S	360024-SV-2S	360024-SV-3S	360024-SV-4S	360024-SV-44S	360024-SV-5S	360024-SS-1	360024-OA-1	360024-BA-1	360024-BA-2	360024-FF
Lab Sample Number		Y1293-02	Y1293-06	Y1293-01	Y1293-04	Y1293-05	Y1293-03	Y1293-15	Y1293-14	Y1293-16	Y1293-17	Y1293-18
Sampling Date		01/30/07	01/30/07	01/30/07	01/30/07	01/30/07	01/30/07	01/29/07	01/31/07	01/29/07	01/29/07	01/29/07
Matrix		AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR
Units		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
COMPOUND	CAS #											
Tetrachloroethene	127-18-4	7.88	206	4.62	1.63	2.38 J	8.01	3749 D	2.17	1.36 J	25.5 J	1.36
Tetrahydrofuran	109-99-9	0.17 U	3.65	0.17 U	0.35 U	0.23 U	0.35 U	0.35 U	0.17 U	0.17 UJ	0.17 UJ	1.41
Toluene	108-88-3	9.03 J	61.3 J	7.3	19.3 J	15.9 J	13.3 J	1847 D	6.85	25.6 J	32.1 J	34.4
trans-1,2-Dichloroethene	156-60-5	0.13 U	0.27 U	0.13 U	0.27 U	0.17 U	0.27 U	0.27 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
Trichloroethene	79-01-6	0.19 U	21.6	0.19 U	0.39 U	0.25 U	0.39 U	41.6 J	0.12 U	0.12 UJ	0.12 UJ	0.12 U
Trichlorofluoromethane	75-69-4	1.12	1.23	0.95 J	1.12 J	0.87 J	0.31 U	2.02	2.3	2.19 J	2.69 J	2.52 J
Vinyl Acetate	108-05-4	0.14 U	0.28 U	0.14 U	0.28 U	0.18 U	0.28 U	0.28 U	1.9 J	2.39 J	5.8 J	0.14 UJ
Vinyl Chloride	75-01-4	0.08 U	0.15 U	0.08 U	0.15 U	0.1 U	0.15 U	0.15 U	0.08 U	0.08 UJ	0.08 UJ	0.08 UJ
Total Confident Conc. VOC		97.41	1090.57	116.8	131.21	110.95	178.55	3312.86	112.62	153.97	267.24	267.18
Total TICs		0	0	0	0	0	0	0	0	0	0	0

Qualifiers

- U - The compound was not detected at the indicated concentration.
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- D -
- * - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- NR - Not analyzed

Attachment A
Photo Log



Client: NYSDEC	Date: 1/30/07
Site: Marx Residence-360024	Technician: S. Loudis, M. Koberle
Address: 786 Armonk Road Mount Kisco, New York 10549	Page: 1 of 6



Description: Marx residence located at 786 Armonk Road.



Description: Marx residence driveway and neighboring property (on the left).



Client: NYSDEC	Date: 1/30/07
Site: Marx Residence-360024	Technician(s): S. Loudis, M. Koberle
Address: 786 Armonk Road Mount Kisco, New York 10549	Page: 2 of 6



Description: Residence directly across from 786 Armonk Road.
(View is from Marx driveway)



Description: Roadside of Marx Residence.



Client: NYSDEC	Date: 1/30/07
Site: Marx Residence-360024	Technician(s): S. Loudis, M. Koberle
Address: 786 Armonk Road Mount Kisco, New York 10549	Page: 3 of 6



Description: Sample location 360024-SV-1S. Soil vapor sample was taken from northern edge of driveway bordering the property at 786 Armonk Road.



Description: Sample location 360024-SV-3S. Soil vapor sample was taken at intersection of Armonk and Hollow Ridge Roads.



Client: NYSDEC	Date: 1/30/07
Site: Marx Residence-360024	Technician(s): S. Loudis, M. Koberle
Address: 786 Armonk Road Mount Kisco, New York 10549	Page: 4 of 6



Description: Sample locations 360024-SV-4S and 360024-SV-44S. Soil vapor samples were taken directly across from 786 Armonk Road. (Pictured facing north)



Description: Sample locations 360024-SV-4S and 360024-SV-44S. Soil vapor samples were taken directly across from 786 Armonk Road. (Pictured facing east)



Client: NYSDEC	Date: 1/30/07
Site: Marx Residence-360024	Technician(s): S. Loudis, M. Koberle
Address: 786 Armonk Road Mount Kisco, New York 10549	Page: 5 of 6



Description: Sample location 360024-SV-5S. Soil vapor sample was taken ~ 100' north of Marx Residence on the eastern edge of Armonk Road .



Description: Sample location 360024-OA. Sample was taken on the front porch of the Marx Residence.



Client: NYSDEC	Date: 1/30/07
Site: Marx Residence-360024	Technician(s): S. Loudis, M. Koberle
Address: 786 Armonk Road Mount Kisco, New York 10549	Page: 6 of 6



Description: Sample location 360024-SS-1. Soil Vapor sample was taken in the basement below the 2" concrete slab floor.



Description: Sample locations 360024-BA 1 and 360024-BA 2. Samples were taken in the basement area of 786 Armonk Road.

Attachment B
Field Log Book Notes

Complete REOP #2 markers @
11/5. Nevada gathering equipment
to mobilize @ proposed area #5.
E 3 of v/Name. marked/punt, smoke
flag. ~ 30 E of pond. See aerial for
exact location. Nevada gathering equipment
72 m.b. @ area #4 @ 1150. USE SMOKES
and marked off existing REOPs in case
of inclement weather conditions prior
to smoke installation. One week before
in about 4' W from. SMOKE WINDS,
icons are being used. scaffolding
and survey benchmarks (direction)
TRAFFIC showing from REAS. Some
first practices being followed. Heat
#4 in high utility area, i.e., electric.
All necessary SUBSURFACE UTILITIES
identified. Sample point marked of some
Nevada area (with @ 1310. Mark returned
1340. Finish collecting equipment from #4
and move to REOP #5. REOP 5 OK.
No interference from utilities in any
photodocument, subject to create
@ 1415. AREA #6 just south of
SONORS HATHAWAY'S TRANSFORMER LOCATED
10' N OF proposed area STICKER
ON TRANSFORMER MOUNTING

Notice call to Underwood facilities
practices organization. 1800-962
962. Overcast conditions some
precipitation. 1440 move to REOP
#7. REOP #7 OK. ~ 5' N of sidewalk
marked, photodocumented. mobilize
to final area #5 @ 1500.
- 8' marked just west of Chiff Seminars
~ 10' SE of GRUBER. Area deemed
OK. Nevada. pack up equipment. All
PERSONAL OFF SITE @ 1530. All
necessary paperwork completed.

1/29/07 220 CLEAR SKIES

JF 1/29/07

0900 - COM arrives on site, Zebra on site
MELISSA KATZKE will arrive shortly
0915 - Mobilize on site. TESS BEATHE
BUY KING NYSDEC. Strict determine
H₂O table at sample punt. 1. water
level indicator - 4' BGS also soil/sediment
TAKE H₂O SAMPLES @ AREA #1
SAMPLE 360024 - GW-1 FOR VOAS
SETUP AND REPORT SV outside. Sample number
360024 ^{outside} - in hand; Initial VACUUM @ 25 Hg.
marked @ 1000. Ambient located. on
MARK FRONT PORCH. will update Zebra

w/Koback @ collecting 1/29/07

1030 - mobilize for sample 360024-SS-1

Drill through 2 1/2" of concrete floor

Apply wax around 3/8" x 1/2" hole

Tube is set 2 1/2" below S/MH.

1150 - Set up 360024-BA1 and 360024-BA2

Initial vacuum on BA1 - 30 Hg. initial

vacuum on BA2 - 25 Hg. 360024-EF

is the first floor sample within

vacuum is 25 Hg. EF sample

on desk w/ of kitchen. BA1 and BA2

on shelf w/ HSC sample w/ 500 mg

* Sample 360024-SS prepared 1/4

using micro pipette and 1/2 liter

bag @ 1220 hrs. Helium Trace

kept PURCHASED TEBUAK Bag

indicators < 5% Helium to substrate

tube. NIS DEE Ben King ok's to

Attach Summit Conister. Zebra

Cont. nics installation w/ Tech

Melissa Koback. CITEMTECH Stealye

Sample 11293-11293-06 not

under sign with conf vacuum in us

not capable for sampling 23 Hg

A test of ground water sampled

were taken. Sample 10 wells

1/29/07

360024-GW-1 -

360024-GW-2 -

~~360024-GW-3 - Not taken~~

360024-GW-4 -

360024-GW-5 -

360024-GW-6 - Duplicate @ Max 2

360024-GW-1 @ 0950

- WT @ 5', install SV sample @ 3'

360024-GW-2 @ 1030

- WT @ 2', install SV sample @ 1.8'

- Duplicate 360024-GW-22 @ 1035

360024-GW-3 - Not taken because

of Dense Sulf clogging screen. 1st screen

SIT for 2 hrs still no H₂O. micro conc

showed moisture @ 4.5'. SV sample

@ 3.5'

360024-GW-4 1315

- 5' micro conc show moisture 4.25'

SV sample installed @ 3.5'

360024-GV-5 1345

- 5' MACRO CORE - Sampled midshaft
between 4' & 5'
- SV sampler installed @ 3'

360024 - FIELD BIVALVE @ 1445

360024-OH - located ON FRONT PORCH
~4' x 5' IN HEIGHT. STARTED ON 1/32 @ 10:00

360024 - BA1 - BASEMENT AIR'S

360024 - BA2 SAMPLE @ ~1300

360024 - FF - FIRST FLOOR SAMPLE
STARTED @ 1230

360024-SS-1

SUBSTR. IN BASEMENT

PURSED 1/2 PETITE TUBER GAS

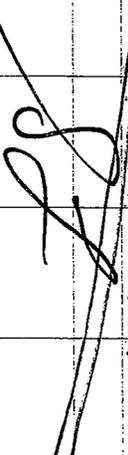
Helium 90% < 5%. NYSDEC OK'S.

500 - PACK MATERIALS OFF-SITE

Labels:

EVAN MORALES

LUKE CABELERO



1/30/07

0740 - ARRIVE ON SITE. HOLD BATTER
SAFETY MEETING. BANKING, MICROBE, SLOWLY
0800 - Mobilize @ Sample #

360024-SV-15

(CAN # 10684, meter 102244)

PARFORM TUBER GAS TEST. BUCKET
CONTAINS Steady 80% Helium
START PUMP AND fill the DIAPHR
BAG. START SAMPLE @ 833

APPRX 2 ppm on Helium detector

PTD READS 1.9 ppm. Original Intra 1

44.15 28. Picked up @ 1002

Final 15.5 Helium @ 933 Petrol @ 930

AND TO GET Helium @ 933 Petrol @ 930

360024-SV-2S (Cant 10742 meter 1044)

PARFORM TUBER GAS. 80% Helium stable

BURG INTO 1/2 Ted 1992. 2800

Helium meter. Test bag. Bag Round

257% Helium. Reseal and release

Label. Applied more Baltimore

1000 - 360024-SV-3S (CAN 10650)

(not 10696)

Perform TRACER GAS Test

Bucket Stalk @ 900 Helium Fill
Teflon Bag and test w/ Helium meter.

1400 ppm of Helium Attached canister
@ 1067 am DID exceeds 1.6 ppm

Tuled @ 1140 Final Hg = 5
1010 - Pull Sample 360024-SV-15
Closing Vacuum m is 5 Hg

1020 - Receive New PID card
calibrate w/ Scott's
cal reading - 102 ppm.

Receive cookies for VOA transport

1030 - 360024-SV-45 (can 10715 m10501)
perform TRACER TEST

360024-SV-44S - Dup Sample
Initial - 28 Hg (can 10788 m10185)

TRACER TEST - Passes Final Hg = 5
75 ppm. IN Teflon bag with
.6 ppm on PID

1040 Canisters on
1240 " off

1055 - 360024-SV-5S
Perform TRACER TEST Bucket

Steady @ 99%. Test Teflon
Stalk @ 11 Rick @ 1230
Helium detect 1850 ppm

PID 1.5 ppm

Can # 10677 meter 10568
Initial Hg = 28. Dud can
Retrieve new can

Can # 10715 meter 10508
Initial Hg = 2849 END - 5 Hg
Start @ 1100

1110 - Retey 360024-SV-2S
TRACER GAS IN Bucket Stalky
@ 859%

PID 2.3 ppm

Helium detect 3.7 ppm
Below NYS diff guidelines of

59.6 10%

CON # 10742 Refr 10109
Initial Hg = 26 Final - 5 Hg
Street @ 1/11/2 Pulled @ 1312

1200 - PACT Cooler in VOA
Preserved. on ice since
Sampled. EPA 8260 Analysis
Sent to Chemtech.

1300 - Collect Buckets Remove
dedicated 3/8" TEFLOW Tubing
Photo Docs all areas near
Flag.

NYSDEC - Ben Run's notes OK
Sample not running @ 0902.
Prof Counter @ 0925 on 1/30
EDW will retrieve on 1/31
360024 - outdoor ambient
CON # 10600 Refr 10555

1336 - Package complete FOR
OUTDOOR SVI Samples

Contact Lab. FOR 1500 pickup,
APFD Collection of indoor
Samples.

Ref 10190
360024 - BA 2 - (on 10022
Street @ 1330 on 1/29
Hg - 25 Stop on 1/30 @ 1330
Hg - 5

360024 - BA 1 - (on 10021) net 10540
Street @ 1332 on 1/29
Hg - 30 Stop @ 1330 on 1/30
Hg - 5

360024 - SS - 1 - E
Street @ 1330 Hg - 31
Stop @ 1330 on 1/30
Hg - 4

360024 - FF Con - 10403 net 10544
Street @ 1330 Hg 28
Stop @ 1330 on 1/30 Hg 5

1400 - Clean SS Sample Prep and
Patch concrete. Consult homeowner

1415 - Ben Runy Det, Mel Koebelc CM
OFF SITE.
All samples and chains filed out
accordingly. What for: VPS
JF

Attachment C
NYSDOH Indoor Air Quality
Questionnaire and Building Inventory

**NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing

Preparer's Name Scott Loudis Date/Time Prepared 1-29-07

Preparer's Affiliation CDM Field Tech. Phone No. 518-792-4500

Purpose of Investigation ISVWA

1. OCCUPANT:

Interviewed: Y N

Last Name: Marx First Name: Liza

Address: 786 Armonk Road

County: Westchester

Home Phone: 914-666-6571 Office Phone: _____

Number of Occupants/persons at this location 4 Age of Occupants 53, 52, 21, 16

2. OWNER OR LANDLORD: (Check if same as occupant X)

Interviewed: Y/N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

<input checked="" type="radio"/> Residential	<input type="radio"/> School	<input type="radio"/> Commercial/Multi-use
<input type="radio"/> Industrial	<input type="radio"/> Church	Other _____

If the property is residential, type? (Circle appropriate response)

- | | | |
|---------------------|-----------------|-------------------|
| Ranch | 2-Family | 3-Family |
| <u>Raised Ranch</u> | Split Level | Colonial |
| Cape Cod | Contemporary | Mobil Home |
| Duplex | Apartment House | Townhouses/Condos |
| Modular | Log Home | Other: _____ |

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 2 Building age Built in 1933

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above ground construction: wood frame concrete stone brick (cinder)
- b. Basement type: full crawlspace slab other _____
- c. Basement floor: concrete dirt stone other _____
- d. Basement floor: uncovered covered paint; tile in entry/laundry area
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with Paint
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished
- j. Sump present? Y / N
- k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: 7@ E° Even on W°

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Laundry room, bathroom with stall shower (plumbing cut-outs)

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply - note primary)

- | | | | |
|---------------------|------------------|---------------------|-------------|
| Hot air circulation | Heat pump | Hot water baseboard | |
| Space heaters | Stream radiation | Radiant floor | |
| Electric baseboard | Wood stove | Outdoor wood boiler | Other _____ |

The primary type of fuel used is:

- | | | |
|-------------|----------|----------|
| Natural gas | Fuel oil | Kerosene |
| Electric | Propane | Solar |
| Wood | Coal | |

Domestic hot water tank fueled by: Propane

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central air Window units Open Windows None

Are there air distribution ducts present?

Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the location on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage)

Basement Bedroom, living space, bathroom, laundry

1st Floor 2 bedrooms, kitchen, bath

2nd Floor _____

3rd Floor _____

4th Floor _____

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?

Y / N

b. Does the garage have a separate heating unit?

Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, ATV, car)

Y / N / NA
Please specify Car _____

d. Has the building ever had a fire?

Y / N When? _____

e. Is the kerosene or unvented gas space heater present?

Y / N Where? _____

f. Is there a workshop or hobby/craft area?

Y / N Where & Type? Basement - main room is set up as a work area, observed over 100 Sharpie markers and other art supplies.

g. Is there smoking in the building?

Y / N How frequently? _____

h. Have cleaning products been used recently?

Y / N When & Type? _____

i. Have cosmetic products been used recently?

Y / N When & Type? _____

- j. Has painting/staining been done in the last 6 months? Y / N Where & When? Upstairs 12/06
- k. Is there new carpet, drapes or other textiles? Y / N Where & When? Carpet 12/06
- l. Have air fresheners been used recently? Y / N When & Type? _____
- m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y / N If yes, where vented? Outside
- o. Is there a clothes dryer? Y / N Is yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N

If yes, please describe: On the day of sampling, a plumber was on-site to address an odor Mrs. Marx had been noticing

Do any of the building occupants use solvents at work? Y / N
 (e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

- Yes, use dry-cleaning regularly (weekly) No
- Yes, use dry-cleaning infrequently (monthly or less) Unknown
- Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation _____
 Is the system active or passive? Active / Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____
 Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

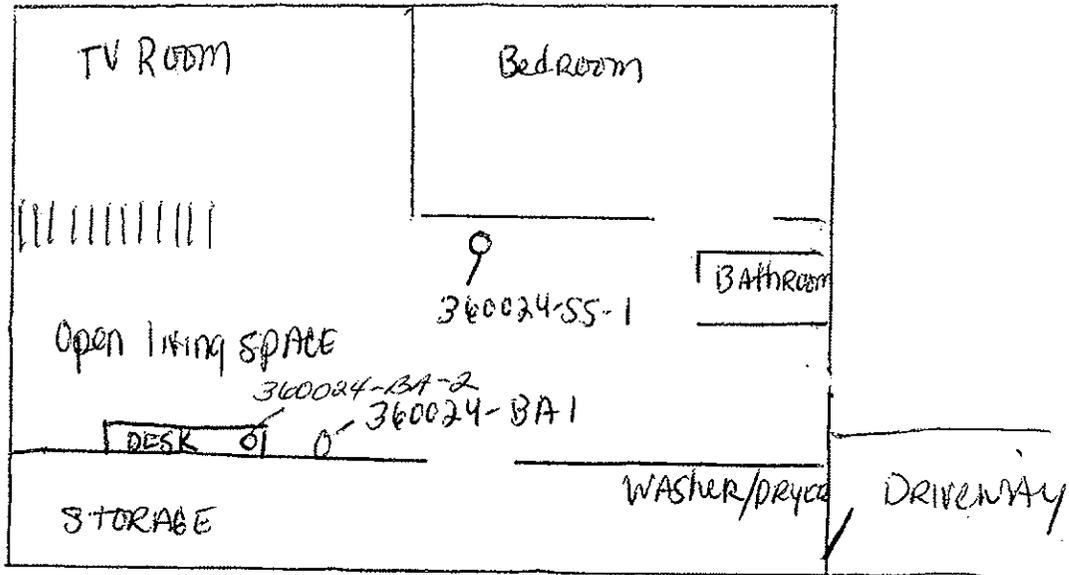
10. RELOCATION INFORMATION (for oil spill residential emergency)

- a. Provide reasons why relocation is recommended: _____
- b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel
- c. Responsibility for costs associated with reimbursement explained? Y / N
- d. Relocation package provided and explained to residents? Y / N

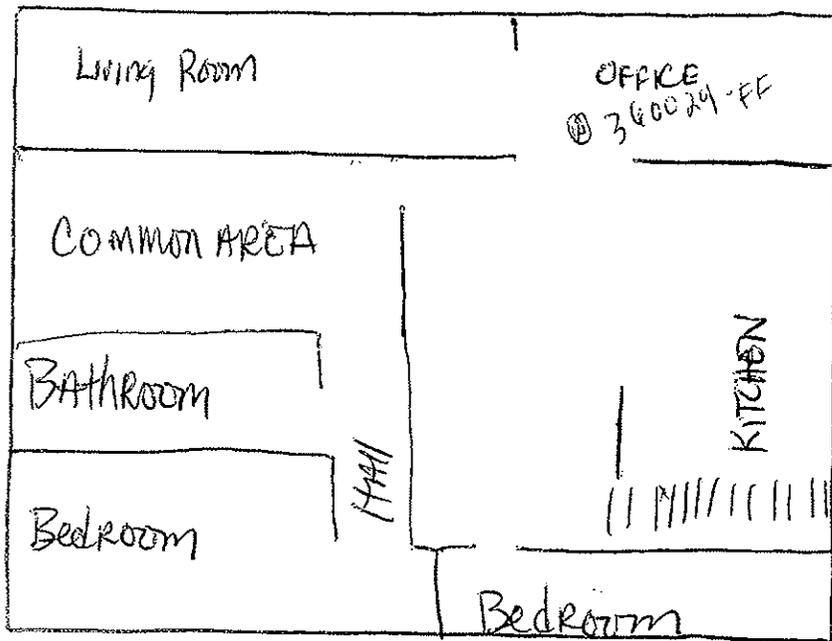
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



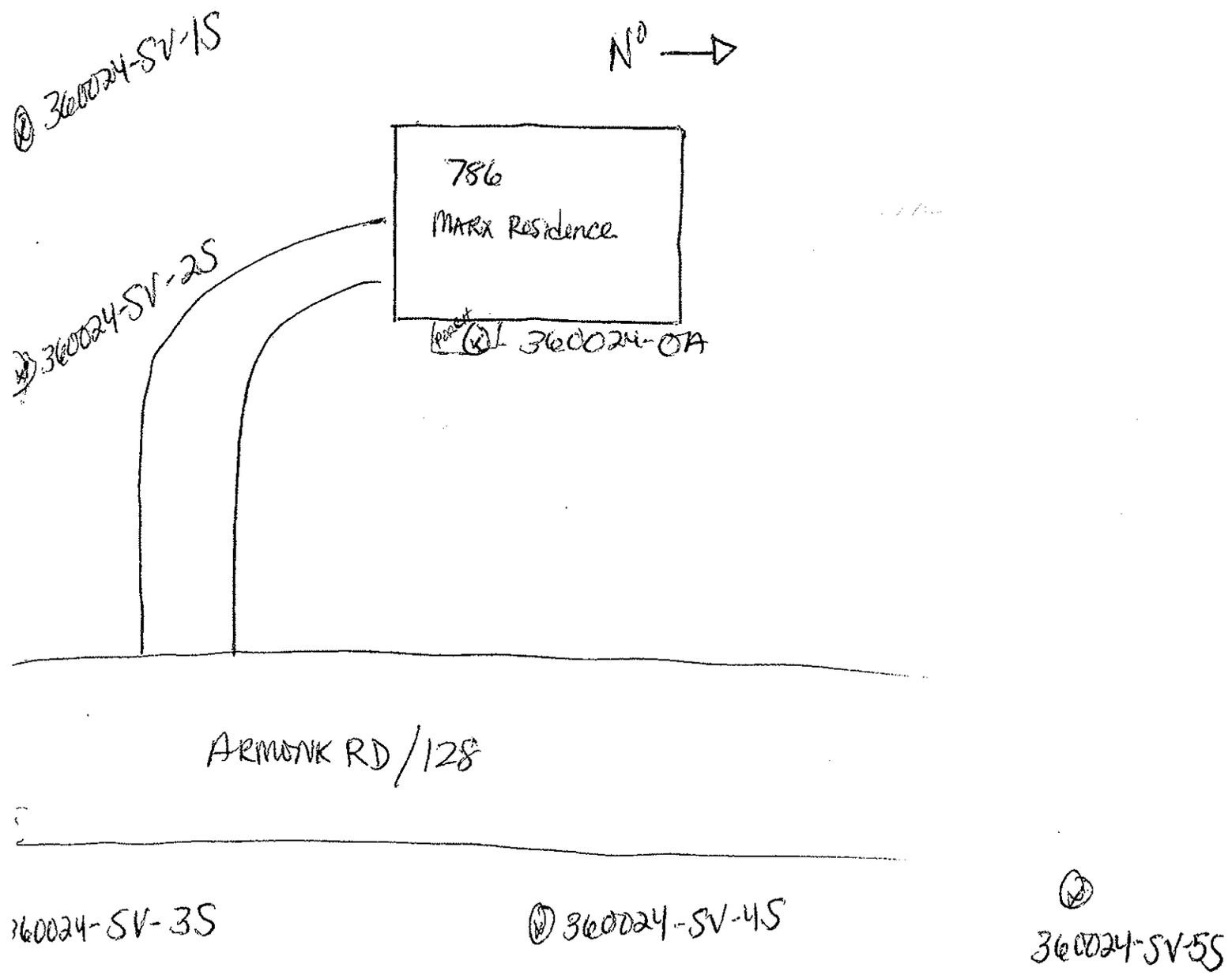
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: OVM PID

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition *	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y/N
KITCHEN	Windex	10oz	U	NO AMMONIA	0	N
	Mop + Glo		U		0	N
	CASCADE	45oz	U		0	N
	Bon Ami	14oz	U		~4ppm	N
	Pure Wax	27	U			
GARAGE CONTAINS		multiple gallons of floor, wall				N
AND EXTERIOR PAINT.		MAJORITY IS LATEX.				
GARAGE ENTRANCE IS EXTERIOR.		GARAGE LOCATED BELOW				
1ST FLOOR LIVING ROOM.		U				
BASMENT	SPRAY PAINT	11oz	U		1.1ppm	N
	BRASS POLISH	10oz	U		0	N
	DRIED FLOWER SPRAY	2oz	U		0	N
	Metal polish	8oz	U		0	N
	DUST	8oz	U		0	N
	Jewelry Cleaner	6oz	U		0	N
	Laundry Detergent	64	U		0	N

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Attachment D
Data Usability Summary Report (DUSR)

**SUMMARY OF THE ANALYTICAL DATA USABILITY
ISVWA-Marx Residence**

Water Volatile Organic Analyses
Samples Collected January 30, 2007
Samples Received January 31, 2007
Sample Delivery Group: Y1293
Laboratory Reference Numbers:

VOA-TRIP BLANK	Y1293-07
360024-GW-4	Y1293-08
360024-GW-22	Y1293-09
360024-FB	Y1293-10
360024-GW-1	Y1293-11
360024-GW-5	Y1293-12
360024-GW-2	Y1293-13
360024-OA-1	Y1293-14

Water samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

- * - Data Completeness
- * - GC/MS Tuning
- * - Holding Times
 - Calibrations
 - Laboratory Blanks
 - Trip Blanks
 - Field Blanks
 - Storage Blank
 - Equipment Blank
 - Surrogate Compound Recoveries
- * - Internal Standard Recoveries
 - Matrix Spike / Matrix Spike Duplicate
 - Instrument Detection Limits
 - Laboratory Control Sample
- * - Compound Identification
- * - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

Instrument detection limits were not found in this sample delivery group.

The minor problems with the low relative response factor for acetone, calibrations and laboratory control samples should be noted. These are discussed in detail below.

No other significant problems were found with this sample delivery group which would affect the usability of the data.

Holding Times

All samples were preserved and analyzed within 14 days of collection.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

Surrogate Compound Recoveries

All surrogate compound recoveries were within the compound specific quality assurance limits with the one exception of the trans-1,3-dichloropropene-d4 surrogate (129%) in method blank VBLK01. The recovery was just above the 128% quality assurance limit.

There should not be a problems with the recovery of a surrogate in a method blank. The high recovery did not affect the end use of the data.

Calibrations

All of the percent RSDs were within the required 30% limit in the one initial calibration with the exception of chloroethane (32%).

This compound was not detected in any of the samples and the data were not qualified since the percent difference was less than 60%.

All of the relative response factors were above 0.050 with the exceptions of acetone (0.020) and 4-butanone. All of the acetone and 2-butanone data were flagged with the "J" qualifier. These compounds were not detected in any of the samples and it is possible that low concentrations were overlooked.

All of the percent differences in the 2/6 continuing calibration were less than 25% with the exceptions of dichlorodifluoromethane (25.7%), chloromethane (27%) and acetone (29%). This continuing calibration was associated with the analysis of the trip blank.

Acetone was already flagged with the "J" qualifier due to the low relative response factors. Neither of the two other compounds were detected in the sample and the data were not qualified since the percent differences were less than 50%.

All of the percent differences in the 2/7 continuing calibration were less than 25% with the exception of acetone (30%). This continuing calibration was associated with the analysis of samples -10, -08, -11, -13, -09 and -12.

Acetone was not detected in any of these samples and the data were not qualified since the percent difference was less than 50%.

Matrix Spike and Matrix Spike Duplicate

A matrix spike and matrix spike duplicate were not associated with this sample delivery group.

Laboratory Control Sample

All laboratory control sample recoveries were within the 70% - 130% quality assurance limits with the one exception of acetone (64%) in LCS02. This LCS was associated with the analyses of the trip blank.

Acetone was already flagged with the "J" qualifier due to the low relative response factors.

Method Blanks

A low concentration of methylene chloride was detected in method blank VBLK01 associated with the analysis of the trip blank.

The methylene chloride data for the this sample was reported as 0.5U ug/l.

Trip Blank

Methylene chloride was detected in the trip blank at a concentration of 0.41 JB ug/l.

A low concentration of methylene chloride was detected in method blank VBLK01 associated with the analysis of the trip blank. The methylene chloride data for the this sample was reported as 0.5U ug/l.

With the one exception of the field blank, methylene chloride was not detected in any of the samples and the trip blank contamination did not affect the end use of the data.

Field Blank

Methylene chloride was detected in the field blank at a concentration of 0.52 JB ug/l.

With the one exception of the trip blank, methylene chloride was not detected in any of the samples and the field blank contamination did not affect the end use of the data.

Internal Standard Areas and Retention Times

The recoveries and retention times of all internal standards were within the required quality control limits.

Instrument Detection limits

Instrument detection limits were not found in this sample delivery group.

Sample Results

No problems were found with the reported results of any of the samples of this delivery group.

**SUMMARY OF THE ANALYTICAL DATA USABILITY
ISVWA-Marx Residence**

Water Volatile Organic Analyses

Samples Collected January 30, 2007

Samples Received January 31, 2007

Sample Delivery Group: Y1293

Laboratory Reference Numbers:

VOA-TRIP BLANK	Y1293-07
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360024-GW-22	Y1293-09
360024-FB	Y1293-10
360024-GW-1	Y1293-11
360024-GW-5	Y1293-12
360024-GW-2	Y1293-13
360024-OA-1	Y1293-14

**VOLATILE ORGANICS
INITIAL CALIBRATION**

Instrument ID: MSVOAF

Level: Low

Tune File ID: VF005942.D

Acceptable: Yes

Time Requirements Met: Yes

Initial Calibration File ID: VF005946.D

Date: 2/5/2007

Page: 98

Associated Samples: VLCS01, VLCS02, Trip Blank, VLCS03, VICS04, -10, -08, -11, -13, -09, -12

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		>0.050	
Chloromethane	<30		>0.050		Benzene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30	32%	>0.050		4-Methyl-2-Pentanone	<30		>0.010	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.010	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.010	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050	0.02	Ethyl Benzene	<30		>0.010	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.010	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30		>0.050	
2-Butanone	<30		>0.050	0.04	1,3-Dichlorobenzene	<30		>0.010	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.010	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30		>0.010	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.010	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.010	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30		>0.010	
Benzene	<30		>0.050						

All TCL Compounds Average RRF > 0.050: No

All TCL Compounds %D < QC Limit: No

TCL Compounds %D between 30% and 60% (J - qualify)

Only if detected in a sample

TCL Compounds %D between 60% and 90% (J - qualify)

N/A

TCL Compounds %D > 90% (R - reject undetected / J - detected)

N/A

CALIBRATION VERIFICATION:

Compound	Trichloroethene				1,3-Dichlorobenzene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
0.5	69,703	953,627	0.731	0.731	90,364	541,741	1.668	1.668
1	142,764	1,107,381	0.645	0.645	208,971	659,774	1.584	1.584
5	670,576	991,219	0.677	0.677	1,114,185	707,121	1.576	1.576
10	1,797,891	1,420,789	0.633	0.633	2,839,243	818,057	1.735	1.735
25	5,105,958	1,691,963	0.604	0.604	7,487,623	923,004	1.622	1.622
Average			0.658	0.658			1.637	1.637
%RSD			7.39%	7.40%			4.04%	4.00%

**VOLATILE ORGANICS
CONTINUING CALIBRATION**

Instrument ID: MSVOAF

Level: Low

Tune File ID: VF005952.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VF005953.D

Date: 2/6/2007

Page: 202

Initial Calibration File ID: VF005946.D

Date: 2/5/2007

Page: 98

Associated Samples: VLCS01, VLCS02, Trip Blank

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Dichlorodifluoromethane	<25	25.7%	>0.050		2,2,4-Trimethylpentane	<25		>0.050	
Chloromethane	<25	27.1%	>0.050		Benzene	<25		>0.050	
Vinyl Chloride	<25		>0.050		1,2-Dichloropropane	<25		>0.050	
Bromomethane	<25		>0.050		Bromodichloromethane	<25		>0.050	
Chloroethane	<25		>0.050		4-Methyl-2-Pentanone	<25		>0.050	
Trichlorofluoromethane	<25		>0.050		Toluene	<25		>0.050	
Isopropyl Alcohol	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Dichlorotetrafluoroethane	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,1,2-Trichloroethene	<25		>0.050		1,1,2-Trichloroethene	<25		>0.050	
Bromoethene	<25		>0.050		2-Hexanone	<25		>0.050	
Propene	<25		>0.050		Dibromochloromethane	<25		>0.050	
Heptane	<25		>0.050		1,2-Dibromoethane	<25		>0.050	
1,1-Dichloroethene	<25		>0.050		Tetrachloroethene	<25		>0.050	
Ethyl Acetate	<25		>0.050		Chlorobenzene	<25		>0.050	
Acetone	<25	30%	>0.050	0.02	Ethyl Benzene	<25		>0.050	
Carbon Disulfide	<25		>0.050		m/p-Xylene	<25		>0.050	
Methyl tert butyl Ether	<25		>0.050		o-Xylene	<25		>0.050	
Methylene Chloride	<25		>0.050		Styrene	<25		>0.050	
Allyl Chloride	<25		>0.050		Bromoform	<25		>0.050	
trans-1,2-Dichloroethene	<25		>0.050		1,1,2,2-Tetrachloroethane	<25		>0.050	
Vinyl Acetate	<25		>0.050		1,3,5-Trimethylbenzene	<25		>0.050	
1,1-Dichloroethane	<25		>0.050		1,2,4-Trimethylbenzene	<25		>0.050	
Cyclohexane	<25		>0.050		4-Ethyltoluene	<25		>0.050	
2-Butanone	<25		>0.050	0.04	1,3-Dichlorobenzene	<25		>0.050	
Carbon Tetrachloride	<25		>0.050		1,4-Dichlorobenzene	<25		>0.050	
cis-1,2-Dichloroethene	<25		>0.050		1,2-Dichlorobenzene	<25		>0.050	
Chloroform	<25		>0.050		1,2,4-Trichlorobenzene	<25		>0.050	
1,4-Dioxane	<25		>0.050		Hexachloro-1,3-Butadiene	<25		>0.050	
1,1,1-Trichloroethane	<25		>0.050		1,3-Butadiene	<25		>0.050	
Tetrahydrofuran	<25		>0.050		Hexane	<25		>0.050	
2,2,4-Trimethylpentane	<25		>0.050		Benzyl Chloride	<25		>0.050	
Benzene	<25		>0.050						

	QC %RSD	STD %RSD	QC RRF	STD RRF
Dibromofluoromethane	<25%		>0.050	
Toluene-d8	<25%		>0.050	
4-Bromofluorobenzene	<25%		>0.050	

All TCL Compounds Average RRF > 0.050: No

All TCL Compounds %D < QC Limit: No

TCL Compounds %D between 25% and 50% (J - qualify)

Only if detected in a sample

TCL Compounds %D between 50% and 90% (J - qualify)

N/A

TCL Compounds %D > 90% (R - reject undetected / J - detected)

N/A

CALIBRATION VERIFICATION:

Compound	Chloroform				1,2,4-Trichlorobenzene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
5	1,502,732	2,078,972	0.723	0.723	815,545	744,709	1.095	1.095
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		0.764	Calc	Reported		1.018	Calc	Reported
			-5.39	5.40			7.58	7.60

**VOLATILE ORGANICS
CONTINUING CALIBRATION**

Instrument ID: MSVOAF

Level: Low

Tune File ID: VF005970.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VF005971.D

Date: 2/7/2007

Page: 213

Initial Calibration File ID: VF005946.D

Date: 2/5/2007

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Associated Samples: VLCS03, VICS04, -10, -08, -11, -13, -09, -12

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Dichlorodifluoromethane	<25		>0.050		2,2,4-Trimethylpentane	<25		>0.050	
Chloromethane	<25		>0.050		Benzene	<25		>0.050	
Vinyl Chloride	<25		>0.050		1,2-Dichloropropane	<25		>0.050	
Bromomethane	<25		>0.050		Bromodichloromethane	<25		>0.050	
Chloroethane	<25		>0.050		4-Methyl-2-Pentanone	<25		>0.050	
Trichlorofluoromethane	<25		>0.050		Toluene	<25		>0.050	
Isopropyl Alcohol	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Dichlorotetrafluoroethane	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,1,2-Trichloroethene	<25		>0.050		1,1,2-Trichloroethene	<25		>0.050	
Bromoethene	<25		>0.050		2-Hexanone	<25		>0.050	
Propene	<25		>0.050		Dibromochloromethane	<25		>0.050	
Heptane	<25		>0.050		1,2-Dibromoethane	<25		>0.050	
1,1-Dichloroethene	<25		>0.050		Tetrachloroethene	<25		>0.050	
Ethyl Acetate	<25		>0.050		Chlorobenzene	<25		>0.050	
Acetone	<25		>0.050	0.02	Ethyl Benzene	<25		>0.050	
Carbon Disulfide	<25		>0.050		m/p-Xylene	<25		>0.050	
Methyl tert butyl Ether	<25		>0.050		o-Xylene	<25		>0.050	
Methylene Chloride	<25		>0.050		Styrene	<25		>0.050	
Allyl Chloride	<25		>0.050		Bromoform	<25		>0.050	
trans-1,2-Dichloroethene	<25		>0.050		1,1,2,2-Tetrachloroethane	<25		>0.050	
Vinyl Acetate	<25		>0.050		1,3,5-Trimethylbenzene	<25		>0.050	
1,1-Dichloroethane	<25		>0.050		1,2,4-Trimethylbenzene	<25		>0.050	
Cyclohexane	<25		>0.050		4-Ethyltoluene	<25		>0.050	
2-Butanone	<25		>0.050	0.04	1,3-Dichlorobenzene	<25		>0.050	
Carbon Tetrachloride	<25		>0.050		1,4-Dichlorobenzene	<25		>0.050	
cis-1,2-Dichloroethene	<25		>0.050		1,2-Dichlorobenzene	<25		>0.050	
Chloroform	<25		>0.050		1,2,4-Trichlorobenzene	<25		>0.050	
1,4-Dioxane	<25		>0.050		Hexachloro-1,3-Butadiene	<25		>0.050	
1,1,1-Trichloroethane	<25		>0.050		1,3-Butadiene	<25		>0.050	
Tetrahydrofuran	<25		>0.050		Hexane	<25		>0.050	
2,2,4-Trimethylpentane	<25		>0.050		Benzyl Chloride	<25		>0.050	
Benzene	<25		>0.050						

	QC %RSD	STD %RSD	QC RRF	STD RRF
Dibromofluoromethane	<25%		>0.050	
Toluene-d8	<25%		>0.050	
4-Bromofluorobenzene	<25%		>0.050	

All TCL Compounds Average RRF > 0.050: No

All TCL Compounds %D < QC Limit: No

TCL Compounds %D between 25% and 50% (J - qualify)

Only if detected in a sample

TCL Compounds %D between 50% and 90% (J - qualify)

N/A

TCL Compounds %D > 90% (R - reject undetected / J - detected)

N/A

CALIBRATION VERIFICATION:

Compound	Benzene					Bromoform				
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf		
PPB										
5	2,110,821	1,383,949	1.525	1.525	215,655	744,289	0.290	0.290		
% D		Avg RRF	% D	% D		Avg RRF	% D	% D		
		1.314	Calc	Reported		0.263	Calc	Reported		
			16.07	16.10			10.17	10.30		

**SUMMARY OF THE ANALYTICAL DATA USABILITY
ISVWA-Marx Residence**

Air Volatile Organic Analyses – TO-15

Samples Collected January 29th through 31st, 2007

Samples Received January 31 & February 1st, 2007

Sample Delivery Group: Y1293

Laboratory Reference Numbers:

Collected 1/30

360024-SV-3S	Y1293-01
360024-SV-3S RE	Y1293-01 RE (2X)
360024-SV-1S	Y1293-02
360024-SV-1S RE	Y1293-02 RE (2X)
360024-SV-5S	Y1293-03 (2X)
360024-SV-4S	Y1293-04 (2X)
360024-SV-44S	Y1293-05 (1.3X)
360024-SV-44S RE	Y1293-05 RE (2X)
360024-SV-2S	Y1293-06

Collected 1/31

360024-OA-1	Y1293-14
360024-OA-1 DL	Y1293-14 DL (20X)

Collected 1/29

360024-SS-1	Y1293-15
360024-SS-1 DL	Y1293-15 DL
360024-BA-1	Y1293-16
360024-BA-1 DL	Y1293-16 DL
360024-BA-2	Y1293-17
360024-BA-2 DL	Y1293-17 DL
360024-FF	Y1293-18
360024-FF DL	Y1293-18 DL
360024-FF MS	Y1293-18 MS
360024-FF MSD	Y1293-18 MSD

Water samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

- Data Completeness
- * - GC/MS Tuning
- * - Holding Times
- Calibrations
- Laboratory Blanks
- Trip Blanks
- Field Blanks
- Storage Blank
- Equipment Blank
- * - Surrogate Compound Recoveries
- Internal Standard Recoveries
- Matrix Spike / Matrix Spike Duplicate
- Instrument Detection Limits
- Laboratory Control Sample
- * - Compound Identification
- Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The extensive problems with the internal standards, holding times, matrix spike, calibrations and laboratory control samples should be noted. These are discussed in detail below.

Some samples were diluted by fractional dilutions such as 1.3, but a dilution factor of 1 was reported on the summary form. These dilution factors were obtained from the CDM Excel spreadsheets.

The raw data for the 2 ppbv initial calibration standard for the 2/5 initial calibration was not found in the copy of the report submitted for validation.

Instrument detection limits were not found in this sample delivery group.

Holding Times

All samples were analyzed within 30 days of collection.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

Surrogate Compound Recoveries

All surrogate compound recoveries were within the 65% - 135% quality assurance limits.

Calibrations

All of the percent RSDs were within the required 30% limit in the 2/5 initial calibration associated with the analyses of samples -01RE, -02RE, -03, -05RE, -06, -15, -04, BSL0207A1, -05, -02, -01, -15DL with the exceptions of benzyl chloride (59%) and hexachloro-1,3-butadiene (52%).

Neither of these compounds were detected in any of the samples and the data were not qualified since the %RSD was less than 60%.

The raw data for the 2 ppbv initial calibration standard for the 2/5 initial calibration was not found in the copy of the report submitted for validation.

All of the percent RSDs were within the required 30% limit in the 2/17 initial calibration associated with the analyses of samples -14, -14DL, -16, -16DL, -17, -17DL, -18, -18DL, -18MS and -18MSD with the exceptions of benzyl chloride (40%), 1,3-dichlorobenzene (33%) and hexachloro-1,3-butadiene (34%).

None of these compounds were detected in any of the samples and the data were not qualified since the %RSD was less than 60%.

All of the percent differences in the 2/6 continuing calibration were less than 30% with the exceptions of bromoform (33%), 2-hexanone (42%), benzyl chloride (73%), 4-ethyltoluene (41%) and 1,4-dichlorobenzene (33%). This continuing calibration is associated with the analysis of samples -01RE, -02RE, -03, -05RE, -06, -15 and -04

All of the percent differences in the 2/7 continuing calibration were less than 30% with the exceptions of benzyl chloride (69%), 4-ethyltoluene (34%) and hexachloro-1,3-butadiene (33%). This continuing calibration is associated with the analysis of samples -05, -02, -01 and -15DL.

The data for benzyl chloride were flagged with the "J" qualifier since the percent difference was great than 50%.

The data for the other compounds were only qualified when they were detected in a sample since the percent difference was less than 50%.

All RRF's were greater than 0.05.

Matrix Spike and Matrix Spike Duplicate

Sample 360024-FF (Y1293-18) was used as the matrix spike and matrix spike duplicate. All recoveries and RPDs that could be accurately calculated were within the required quality assurance limits with the following exceptions:.

Compound	MS %Rec.	MSD %Rec.	QC Limits	RPD	Limits
Toluene	138%		65 - 135		35
1,3-Dichlorobenzene	152%	144%	65 - 135		35
1,4-Dichlorobenzene	150%	144%	65 - 135		35
1,2-Dichlorobenzene	146%	136%	65 - 135		35
1,2,4-Trichlorobenzene	200%	194%	65 - 135		35

The data for these compounds were only qualified when they were detected in a sample. High recoveries do not affect the end use of undetected data.

Laboratory Control Sample

All BSL0217A2 LCS recoveries were within the required quality assurance limits with the following exceptions:

Compound	MS %Rec.	QC Limits
Vinyl Acetate	50%	65 – 135%
2-Hexanone	62%	65 – 135%
1,2,4-Trichlorobenzene	186%	65 – 135%
Hexachloro-1,3-Butadiene	140%	65 – 135%

This LCS was associated with the analyses of samples -14, -14DL, -16, -16DL, -17, -17DL, -18 and -18DL.

The data for vinyl acetate and 2-hexanone were flagged with the “J” qualifier in these samples. It is possible that low concentrations were overlooked and reported concentrations underestimated.

The data for 1,2,4-trichlorobenzene and hexachloro-1,3-butadiene were only qualified when they were detected in a sample since high recoveries do not affect the end use of undetected data.

All BSL0206A1 LCS recoveries were within the required quality assurance limits with the following exceptions:

Compound	MS %Rec.	QC Limits
1,4-Dichlorobenzene	138%	65 – 135%
Hexachloro-1,3-Butadiene	146%	63 – 135%

This laboratory control sample was associated with the analyses of samples -01RE, -02RE, -03, -05RE, -06, -15 and -04.

The data for 1,4-dichlorobenzene and hexachloro-1,3-butadiene were only qualified when they were detected in a sample since high recoveries do not affect the end use of undetected data.

All BSL0407A1 LCS recoveries were within the required quality assurance limits with the following exceptions:

Compound	MS %Rec	QC Limits
1,3-Dichlorobenzene	138%	65 - 135
1,4-Dichlorobenzene	148%	65 - 135
Hexachloro-1,3-Butadiene	156%	63 – 135%

This laboratory control sample was associated with the analyses of samples -05, -02, -01 and -15DL.

The data for 1,3-dichlorobenzene, 1,4-dichlorobenzene and hexachloro-1,3-butadiene were only qualified when they were detected in a sample since high recoveries do not affect the end use of the undetected data.

Method Blanks

A low concentration of trichloroethene (0.037 ppbv) was detected in method blank VB0217A2. This was not reported in the ug/M3 report. This method blank was associated with the analyses of samples -14, -14DL, -16, -16DL, -17, -17DL, -18 and-18DL.

When this compound was detected in a sample, the concentration was too high to be affect by the low concentration in the method blank.

No compounds were detected in the other two method blanks.

Trip Blank

A trip blank was not analyzed with this sample delivery group.

Field Blank

A field blank was not analyzed with this sample delivery group.

Internal Standard Areas and Retention Times

he recoveries and retention times of all internal standards were within the required quality control limits (60% - 140%) with the following exceptions:

Sample 360024-SV-3S (Y1293-01)

The recoveries of all three internal standards were above the 140% quality control limit in the original undiluted analysis of this sample (143%, 164% & 156%). When the sample was analyzed at a 2X dilution all of the recoveries were within the required limits.

It is recommended that the data for the undetected compounds be reported from the undiluted analysis and that detected compounds be reported from the 2X dilution.

Compounds that were detected in the undiluted analysis, but undetected in the diluted analysis were reported from the undiluted analysis and flagged with a "J" qualifier. These should be considered estimated values.

Sample 360024-SV-1S (Y1293-02)

The recoveries of the last two internal standards were above the 140% quality control limit in the original undiluted analysis of this sample (146% & 154%). When the sample was analyzed at a 2X dilution all of the recoveries were within the required limits.

It is recommended that the data for the undetected compounds be reported from the undiluted analysis and that detected compounds be reported from the 2X dilution.

Sample 360024-SV-44S (Y1293-05)

The recoveries of all three internal standards were above the 140% quality control limit in the original 1.3x diluted analysis of this sample (153%, 187% & 171%). When the sample was analyzed at a 2X dilution the recoveries of the first and second internal standards were above the required limits (145% & 154%).

It is recommended that the compounds that were quantitated against the first and second internal standards be reported from the original 1.3X dilution of this sample.

It is recommended that the data for the undetected compounds be quantitated against the third internal standard be reported from the 1.3X analysis and that detected compounds be reported from the 5X dilution.

Compounds that were quantitated against the third internal standard and detected in the undiluted analysis, but undetected in the diluted analysis were reported from the undiluted analysis and flagged with a "J" qualifier. These should be considered estimated values.

Sample 360024-OA-1 (Y1293-14)

This sample was reanalyzed at a 20X dilution due to a high concentration of ethyl acetate. In the original analysis the recovery of the third internal standard was less than the 60% quality assurance limit (57%).

The compounds that were quantitated against this internal standard were flagged with the "J" qualifier since the recovery was less than the required limit. The data for these compounds should be considered estimated values.

When this sample was reanalyzed at a 20X dilution, the recoveries of all of the internal standards (58%, 53% & 51%) were less than the quality assurance limit.

Ethyl acetate was reported with the "J" qualifier and should be considered an estimated value. All of the other data should be reported from the original analysis.

Sample 360024-BA-1 (Y1293-16)

The recoveries of all of the internal standards were less than the 60% quality assurance limit in the original (57%, 50% & 36%) and in the diluted analysis (55%, 50% & 44%).

This sample was reanalyzed with a 20X dilution due to a high concentration of ethyl acetate. The ethyl acetate should be reported as estimated from the 20X due to the low recovery of the internal standard.

Sample 360024-BA-2 (Y1293-17)

The recoveries of all of the internal standards were less than the 60% quality assurance limit in the original (56%, 56% & 55%) and in the diluted analysis (57%, 54% & 49%).

This sample was reanalyzed with a 20X dilution due to a high concentration of ethyl acetate. The ethyl acetate should be reported as estimated from the 20X due to the low recovery of the internal standard.

Sample 360024-FF (Y1293-18)

The recoveries of the first and third internal standards (58% & 56%) were less than the 60% quality assurance limit in the original analysis of this sample. All of the recoveries were less than 60% in the 20X dilution (57%, 49% & 47%).

All of the data should be reported from the original analysis with the one exception of ethyl acetate. The compounds that were quantitated against the first and third internal standards were flagged with the "J" qualifier and should be considered estimated values.

This sample was reanalyzed with a 20X dilution due to a high concentration of ethyl acetate. The ethyl acetate should be reported as estimated from the 20X due to the low recovery of the internal standard.

Instrument Detection limits

Instrument detection limits were not found in this sample delivery group.

Sample Results**Sample 360024-SV-2S (Y1293-06)**

Acetone (97.1 E ug/M3) and 1,2,4-trimethylbenzene 199 E ug/M3) were above the linear range of this analysis but the sample was not reanalyzed with a dilution.

The acetone and 1,2,4-trimethylbenzene concentrations should be considered to be slightly estimated since these concentrations were just above the linear range of the analysis. The data for these compounds were flagged with the "J" qualifier and should be considered estimated values.

No other problems were found with the reported results of any of the samples of this delivery group.

**SUMMARY OF THE ANALYTICAL DATA USABILITY
ISVWA-Marx Residence**

Air Volatile Organic Analyses – Method TO-15

Samples Collected January 29th through 31st, 2007

Samples Received January 31 & February 1st, 2007

Sample Delivery Group: Y1293

Laboratory Reference Numbers:

360024-SV-3S	Y1293-01
360024-SV-3S RE	Y1293-01 RE
360024-SV-1S	Y1293-02
360024-SV-1S RE	Y1293-02 RE
360024-SV-5S	Y1293-03
360024-SV-4S	Y1293-04
360024-SV-44S	Y1293-05
360024-SV-44S RE	Y1293-05 RE
360024-SV-2S	Y1293-06
VOA-TRIP BLANK	Y1293-07
360024-GW-4	Y1293-08
360024-GW-22	Y1293-09
360024-FB	Y1293-10
360024-GW-1	Y1293-11
360024-GW-5	Y1293-12
360024-GW-2	Y1293-13
360024-OA-1	Y1293-14
360024-OA-1 DL	Y1293-14 DL
360024-SS-1	Y1293-15
360024-SS-1 DL	Y1293-15 DL
360024-BA-1	Y1293-16
360024-BA-1 DL	Y1293-16 DL
360024-BA-2	Y1293-17
360024-BA-2 DL	Y1293-17 DL
360024-FF	Y1293-18
360024-FF DL	Y1293-18 DL
360024-FF MS	Y1293-18 MS
360024-FF MSD	Y1293-18 MSD

**VOLATILE ORGANICS
INITIAL CALIBRATION**

Instrument ID: MSVOAL

Level: Low

Tune File ID: VL020508.D

Acceptable: Yes

Time Requirements Met: Yes

Initial Calibration File ID: VL020508.D

Date: 2/5/2007

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Associated Samples: BSL0206A1, -01RE, -02RE, -03, -05RE, -06, -15, -04, BSL0207A1, -05, -02, -01, -15DL

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		p	
Chloromethane	<30		>0.050		Benzene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.010	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.010	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.010	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050		Ethyl Benzene	<30		>0.010	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.010	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30		>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30		>0.010	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.010	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30	51%	>0.010	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.010	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.010	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30	59%	>0.010	
Benzene	<30		>0.050						

Surrogate Recovery	QC %RSD	STD %RSD	QC RRF	STD RRF
	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: No

TCL Compounds %D between 30% and 60% (J - qualify)

Only if detected in a sample.

TCL Compounds %D between 60% and 90% (J - qualify)

N/A

TCL Compounds %D > 90% (R - reject undetected / J - detected)

N/A

CALIBRATION VERIFICATION:

Compound	Heptane				Tetrachloroethene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPBV								
0.1	16,233	160,242	2.533	2.533	11,899	444,978	0.669	0.669
0.2	23,984	158,898	1.887	1.887	19,922	439,984	0.566	0.566
0.5	55,936	152,237	1.837	1.837	44,820	395,831	0.566	0.566
1	136,465	169,564	2.012	2.012	97,848	442,566	0.553	0.553
2			#DIV/0!	2.490			#DIV/0!	0.662
5	886,355	178,008	2.490	2.075	647,909	489,624	0.662	0.624
10	1,587,095	191,213	2.075	NR	1,228,213	491,794	0.624	NR
20	3,368,493	202,586	2.078	NR	2,873,998	575,031	0.625	NR
Average			#DIV/0!	2.130			#DIV/0!	0.609
%RSD			#DIV/0!	12.94%			#DIV/0!	7.29%

**VOLATILE ORGANICS
CONTINUING CALIBRATION**

Instrument ID: MSVOAL

Level: Low

Tune File ID: VL020601.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VL020602.D

Date: 2/5/2007

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Initial Calibration File ID: VL020508.D

Date: 2/5/2007

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Associated Samples: BSL0206A1, -01RE, -02RE, -03, -05RE, -06, -15, -04

COMPOUND LIST

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		>0.050	
Chloromethane	<30		>0.050		Benzene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.050	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.050	
Bromoethene	<30		>0.050		2-Hexanone	<30	42%	>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.050	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050		Ethyl Benzene	<30		>0.050	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30	33%	>0.050	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30	41%	>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30		>0.050	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30	33%	>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.050	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.050	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30		>0.050	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.050	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.050	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30	73%	>0.050	
Benzene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogate:				
1-Bromo-4-Fluorobenzene	<30%		>0.050	
All TCL Compounds Average RRF > 0.050:			Yes	
All TCL Compounds %D < QC Limit:			No	
TCL Compounds %D between 30% and 50% (J - qualify)				Only if detected in a sample
TCL Compounds %D between 50% and 90% (J - qualify)				Benzyl Chloride - J
TCL Compounds %D > 90% (R - reject undetected / J - detected)				N/A

CALIBRATION VERIFICATION:

Compound	Chloroform	1,2,4-Trichlorobenzene						
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
5	640,525	151,814	2.110	2.110	513,611	463,792	0.554	0.554
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		2.253	Calc	Reported		0.568	Calc	Reported
			-6.37	6.30			-2.52	2.50

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Acetone 0.71 ug/M3 / 0.3 ppbv

**VOLATILE ORGANICS
CONTINUING CALIBRATION**

Instrument ID: MSVOAL

Level: Low

Tune File ID: VL020601.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VL020602.D

Date: 2/5/2007

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Initial Calibration File ID: VL020508.D

Date: 2/5/2007

Page: 360

Associated Samples: BSL0207A1, -05, -02, -01, -15DL

COMPOUND LIST

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		p	
Chloromethane	<30		>0.050		Benzene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.010	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.010	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.010	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050		Ethyl Benzene	<30		>0.010	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.010	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30	35%	>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30		>0.010	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.010	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30	33%	>0.010	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.010	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.010	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30	69%	>0.010	
Benzene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogate:				
1-Bromo-4-Fluorobenzene	<30%		>0.050	
All TCL Compounds Average RRF > 0.050:			Yes	
All TCL Compounds %D < QC Limit:			No	
TCL Compounds %D between 25% and 50% (J - qualify)				Only if detected in a sample
TCL Compounds %D between 50% and 90% (J - qualify)				N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected)				N/A

CALIBRATION VERIFICATION:

Compound	Carbon Tetrachloride				1,4-Dichlorobenzene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
5	961,667	426,319	1.128	1.128	884,634	375,183	1.179	1.179
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		0.912	Calc	Reported		0.921	Calc	Reported
			23.67	23.70			28.01	28.00

**VOLATILE ORGANICS
INITIAL CALIBRATION**

Instrument ID: MSVOAL

Level: Low

Tune File ID: VL021701A.D

Acceptable: Yes

Time Requirements Met: Yes

Initial Calibration File ID: VL020508.D

Date: 2/17/2007

Page:

Associated Samples: BSL0217A2, -14, -14DL, -16, -16DL, -17, -17DL, -18, -18DL, -18MS, -18MSD

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		p	
Chloromethane	<30		>0.050		Benzene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.010	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.010	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.010	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050		Ethyl Benzene	<30		>0.010	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.010	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30		>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30	33%	>0.010	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30	34%	>0.010	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30		>0.010	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.010	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.010	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30	40%	>0.010	
Benzene	<30		>0.050						

Surrogate Recovery	QC %RSD	STD %RSD	QC RRF	STD RRF
	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: No

TCL Compounds %D between 30% and 60% (J - qualify)

Only if detected in a sample.

TCL Compounds %D between 60% and 90% (J - qualify)

N/A

TCL Compounds %D > 90% (R - reject undetected / J - detected)

N/A

CALIBRATION VERIFICATION:

Compound	Ethyl Acetate				Styrene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
0.1	130,546	1,104,721	2.954	2.954	92,988	3,225,254	0.721	0.721
0.2	217,551	1,168,821	2.327	2.327	183,459	3,583,737	0.640	0.640
0.5	816,725	1,096,478	3.724	3.724	911,627	3,786,124	1.204	1.204
1	1,368,269	1,112,129	3.076	3.076	1,474,251	3,799,000	0.970	0.970
2	2,194,680	1,128,918	2.430	2.430	2,302,910	3,705,922	0.777	0.777
5	5,135,195	1,139,185	2.254	2.254	6,374,449	3,798,163	0.839	0.839
10	9,472,705	1,067,327	2.219	2.219	11,903,069	3,546,596	0.839	0.839
20	17,154,990	916,990	2.338	2.338	22,069,059	3,396,635	0.812	0.812
Average			2.665	2.665			0.850	0.850
%RSD			20.15%	20.15%			20.25%	20.25%

INTERNAL STANDARD RECOVERY SUMMARY

		IS1			IS2			IS3		
		Sample	Sample Area	Standard Area	% Rec.	Sample Area	Standard Area	% Rec.	Sample Area	Standard Area
360024-SV-44S	Y1293-05		252,498	165,465	153	795,108	426,319	187	640,204	375,183
360024-SV-44S RE	Y1293-05 RE		220,645	151,814	145	667,843	433,491	154		
360024-SS-1	Y1293-15				693,491	433,491	160	692,292	463,792	
360024-SS-1 DL	Y1293-15 DL					(OK)			(OK)	
360024-SV-1S	Y1293-02				622,017	426,319	146	577,160	375,183	
360024-SV-1S RE	Y1293-02 RE					(OK)			(OK)	
360024-SV-3S	Y1293-01		235,893	165,465	143	700,603	426,319	164	585,374	375,183
360024-SV-3S RE	Y1293-01 RE			(OK)		(OK)			(OK)	
360024-OA-1	Y1293-14							2,172,388	3,798,163	
360024-OA-1 DL	Y1293-14 DL	663,416	1,139,185	58	2,333,956	4,436,380	53	1,945,108	3,798,163	
360024-BA-1	Y1293-16		650,464	1,139,185	57	2,211,615	4,436,380	50	1,363,773	3,798,163
360024-BA-1 DL	Y1293-16 DL		629,957	1,139,185	55	2,200,355	4,436,380	50	1,670,561	3,798,163
360024-BA-2	Y1293-17		633,502	1,139,185	56	2,499,958	4,436,380	56	2,101,204	3,798,163
360024-BA-2 DL	Y1293-17 DL		649,955	1,139,185	57	2,386,967	4,436,380	54	1,854,206	3,798,163
360024-FF	Y1293-18		657,960	1,139,185	58		(OK)	2,116,484	3,798,163	
360024-FF DL	Y1293-18 DL		649,813	1,139,185	57	2,165,774	4,436,380	49	1,798,096	3,798,163
360024-FF MS	Y1293-18 MS		631,554	1,139,185	55	2,455,286	4,436,380	55	2,127,740	3,798,163
360024-FF MSD	Y1293-18 MSD		609,103	1,139,185	53	2,417,247	4,436,380	54	2,234,786	3,798,163

Sample: 360024-SV-3S Y1293-01

		DV	MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	1.73	j						High
Chloromethane	0.07 U							High
Vinyl Chloride	0.08 U							High
Bromomethane	0.13 U							High
Chloroethane	0.1 U							High
Trichlorofluoromethane	0.95	J						High
Isopropyl Alcohol	0.59	J						High
Dichlorotetrafluoroethane	0.22 U							High
1,1,2-Trichloroethene	0.19 U							High
Bromoethene	0.11 U							High
Propene	4	J						High
Heptane	2.82	J						High
1,1-Dichloroethene	0.12 U							High
Ethyl Acetate	12.9	J						High
Acetone	26.3	J						High
Carbon Disulfide	3.11	J						High
Methyl tert butyl Ether	0.47	J						High
Methylene Chloride	1.91	J						High
Allyl Chloride	0.08 U							High
trans-1,2-Dichloroethene	0.13 U							High
Vinyl Acetate	0.14 U							High
1,1-Dichloroethane	0.14 U							High
Cyclohexane	1.01	J						High
2-Butanone	2.74	J						High
Carbon Tetrachloride	0.19 U							High
cis-1,2-Dichloroethene	0.13 U							High
Chloroform	0.83	J						High
1,4-Dioxane	0.19 U							High
1,1,1-Trichloroethane	0.12 U							High
Tetrahydrofuran	0.17 U							High
2,2,4-Trimethylpentane	1.07	J						High
Benzene	2.14	J						High
1,2-Dichlorobenzene	0.12 U							High
Trichloroethene	0.19 U		0.037					High
1,2-Dichloropropane	0.23 U							High
Bromodichloromethane	0.27 U							High
4-Methyl-2-Pentanone	0.7 J	J						High
Toluene	6.62	J				138%/ok		High
t-1,3-Dichloropropene	0.11 U							High
cis-1,3-Dichloropropene	0.14 U							High
1,1,2-Trichloroethene	0.29 U							High
2-Hexanone	0.09 U							High
Dibromochloromethane	0.32 U							High
1,2-Dibromoethane	0.26 U							High
Tetrachloroethene	4.01	J						High
Chlorobenzene	0.31 U							High
Ethyl Benzene	3.47	J						High
m/p-Xylene	6.37	J						High
o-Xylene	6.37	J						High
Styrene	0.19 U							High
Bromoform	0.25 U							High
1,1,2,2-Tetrachloroethane	0.45 U							High
1,3,5-Trimethylbenzene	9.47	J						High
1,2,4-Trimethylbenzene	6.23	J						High
4-Ethyltoluene	6.72	J			35%			High
1,3-Dichlorobenzene	0.13 U					152%/144%	138%	High
1,4-Dichlorobenzene	0.2 U					150%/144%	148%	High
1,2-Dichlorobenzene	0.25 U					146%/136%		High
1,2,4-Trichlorobenzene	0.35 U					200%/194%		High
Hexachloro-1,3-Butadiene	4.27	J		51%		146%/142%	156%	High
1,3-Butadiene	0.09 U							High
Hexane	0.13 U							High
Benzyl Chloride	0.14 U	J		59%	69%			High

Sample: 360024-SV-3S RE Y1293-01 RE (2X)

	DV	MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane							OK
Chloromethane							OK
Vinyl Chloride							OK
Bromomethane							OK
Chloroethane							OK
Trichlorofluoromethane							OK
Isopropyl Alcohol							OK
Dichlorotetrafluoroethane							OK
1,1,2-Trichloroethene							OK
Bromoethene							OK
Propene							OK
Heptane							OK
1,1-Dichloroethene							OK
Ethyl Acetate							OK
Acetone							OK
Carbon Disulfide							OK
Methyl tert butyl Ether							OK
Methylene Chloride							OK
Allyl Chloride							OK
trans-1,2-Dichloroethene							OK
Vinyl Acetate							OK
1,1-Dichloroethane							OK
Cyclohexane							OK
2-Butanone							OK
Carbon Tetrachloride							OK
cis-1,2-Dichloroethene							OK
Chloroform							OK
1,4-Dioxane							OK
1,1,1-Trichloroethane							OK
Tetrahydrofuran							OK
2,2,4-Trimethylpentane							OK
Benzene							OK
1,2-Dichlorobenzene							OK
Trichloroethene							OK
1,2-Dichloropropane							OK
Bromodichloromethane							OK
4-Methyl-2-Pentanone							OK
Toluene					138%/ok		OK
t-1,3-Dichloropropene							OK
cis-1,3-Dichloropropene							OK
1,1,2-Trichloroethene							OK
2-Hexanone				42%			OK
Dibromochloromethane							OK
1,2-Dibromoethane							OK
Tetrachloroethene							OK
Chlorobenzene							OK
Ethyl Benzene							OK
m/p-Xylene							OK
o-Xylene							OK
Styrene							OK
Bromoform				33%			OK
1,1,2,2-Tetrachloroethane							OK
1,3,5-Trimethylbenzene							OK
1,2,4-Trimethylbenzene							OK
4-Ethyltoluene	J			41%			OK
1,3-Dichlorobenzene					152%/144%		OK
1,4-Dichlorobenzene				33%	150%/144%	138%	OK
1,2-Dichlorobenzene					146%/136%		OK
1,2,4-Trichlorobenzene					200%/194%		OK
Hexachloro-1,3-Butadiene	J		51%		146%/142%	146%	OK
1,3-Butadiene							OK
Hexane							OK
Benzyl Chloride	J		59%	73%			OK

Sample: 360024-SV-1S Y1293-02

			MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	1.83							1
Chloromethane	0.2 J							1
Vinyl Chloride	0.08 U							1
Bromomethane	0.13 U							1
Chloroethane	0.1 U							1
Trichlorofluoromethane	1.12							1
Isopropyl Alcohol	0.54							1
Dichlorotetrafluoroethane	0.22 U							1
1,1,2-Trichloroethene	0.19 U							1
Bromoethene	0.11 U							1
Propene	4.38							1
Heptane	2.9							1
1,1-Dichloroethene	0.12 U							1
Ethyl Acetate	22.9							1
Acetone	15.8							1
Carbon Disulfide	0.62							1
Methyl tert butyl Ether	0.72							1
Methylene Chloride	1.6							1
Allyl Chloride	0.08 U							1
trans-1,2-Dichloroethene	0.13 U							1
Vinyl Acetate	0.14 U							1
1,1-Dichloroethane	0.14 U							1
Cyclohexane	0.87							1
2-Butanone	1.21	J						146%
Carbon Tetrachloride	0.19 U							146%
cis-1,2-Dichloroethene	0.13 U							1
Chloroform	0.12 U							1
1,4-Dioxane	0.19 U							146%
1,1,1-Trichloroethane	0.12 U							1
Tetrahydrofuran	0.17 U							146%
2,2,4-Trimethylpentane	1.73	J						146%
Benzene	1.82	J						146%
1,2-Dichlorobenzene	0.12 U							146%
Trichloroethene	0.19 U		0.037					146%
1,2-Dichloropropane	0.23 U							146%
Bromodichloromethane	0.27 U							146%
4-Methyl-2-Pentanone	0.11 U							146%
Toluene	8.92	J				138%/ok		146%
t-1,3-Dichloropropene	0.11 U							146%
cis-1,3-Dichloropropene	0.14 U							146%
1,1,2-Trichloroethene	0.29 U							146%
2-Hexanone	0.09 U							146%
Dibromochloromethane	0.32 U							146%
1,2-Dibromoethane	0.26 U							146%
Tetrachloroethene	7.54	J						146%
Chlorobenzene	0.31 U							154%
Ethyl Benzene	2.77	J						154%
m/p-Xylene	5.38	J						154%
o-Xylene	3.77	J						154%
Styrene	0.19 U							154%
Bromoform	0.25 U							146%
1,1,2,2-Tetrachloroethane	0.45 U							154%
1,3,5-Trimethylbenzene	4.71	J						154%
1,2,4-Trimethylbenzene	3.09	J						154%
4-Ethyltoluene	2.99	J				35%		154%
1,3-Dichlorobenzene	0.13 U					152%/144%	138%	154%
1,4-Dichlorobenzene	0.2 U					150%/144%	148%	154%
1,2-Dichlorobenzene	0.25 U					146%/136%		154%
1,2,4-Trichlorobenzene	0.35 U					200%/194%		154%
Hexachloro-1,3-Butadiene	0.45 U			51%		146%/142%	156%	154%
1,3-Butadiene	0.09 U							1
Hexane	0.13 U							1
Benzyl Chloride	0.14 U	J		59%	69%			154%

Sample: 360024-SV-1S RE Y1293-02 RE (2X)

		MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	2.08						
Chloromethane	0.15 U						
Vinyl Chloride	0.15 U						
Bromomethane	0.26 U						
Chloroethane	0.2 U						
Trichlorofluoromethane	1.23						
Isopropyl Alcohol	0.06 U						
Dichlorotetrafluoroethane	0.43 U						
1,1,2-Trichloroethene	0.38 U						
Bromoethene	0.23 U						
Propene	5.57						
Heptane	3.27						
1,1-Dichloroethene	0.25 U						
Ethyl Acetate	24.5						
Acetone	15.5						
Carbon Disulfide	0.68						
Methyl tert butyl Ether	0.79						
Methylene Chloride	1.81						
Allyl Chloride	0.15 U						
trans-1,2-Dichloroethene	0.27 U						
Vinyl Acetate	0.28 U						
1,1-Dichloroethane	0.28 U						
Cyclohexane	0.21 U						
2-Butanone	1.35						
Carbon Tetrachloride	0.38 U						
cis-1,2-Dichloroethene	0.27 U						
Chloroform	0.23 U						
1,4-Dioxane	0.4 U						
1,1,1-Trichloroethane	0.24 U						
Tetrahydrofuran	0.35 U						
2,2,4-Trimethylpentane	2.05						
Benzene	2.04						
1,2-Dichlorobenzene	0.24 U						
Trichloroethene	0.39 U						
1,2-Dichloropropane	0.45 U						
Bromodichloromethane	0.54 U						
4-Methyl-2-Pentanone	0.21 U						
Toluene	9.03	J			138%/ok		
t-1,3-Dichloropropene	0.23 U						
cis-1,3-Dichloropropene	0.28 U						
1,1,2-Trichloroethene	0.6 U						
2-Hexanone	0.18 U			42%			
Dibromochloromethane	0.65 U						
1,2-Dibromoethane	0.52 U						
Tetrachloroethene	7.88						
Chlorobenzene	0.6 U						
Ethyl Benzene	2.51						
m/p-Xylene	4.68						
o-Xylene	3.47						
Styrene	0.37 U						
Bromoform	0.5 U			33%			
1,1,2,2-Tetrachloroethane	0.89 U						
1,3,5-Trimethylbenzene	4.71						
1,2,4-Trimethylbenzene	2.85						
4-Ethyltoluene	2.75	J		41%			
1,3-Dichlorobenzene	0.26 U				152%/144%		
1,4-Dichlorobenzene	0.41 U			33%	150%/144%	138%	
1,2-Dichlorobenzene	0.51 U				146%/136%		
1,2,4-Trichlorobenzene	0.7 U				200%/194%		
Hexachloro-1,3-Butadiene	0.9 U		51%		146%/142%	146%	
1,3-Butadiene	0.18 U						
Hexane	0.25 U						
Benzyl Chloride	0.29 U	J	59%	73%			

Sample: 360024-SV-5S Y1293-03 (2X)

		MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	2.08						
Chloromethane	0.15 U						
Vinyl Chloride	0.15 U						
Bromomethane	0.26 U						
Chloroethane	0.2 U						
Trichlorofluoromethane	0.31 U						
Isopropyl Alcohol	0.06 U						
Dichlorotetrafluoroethane	0.43 U						
1,1,2-Trichloroethene	0.38 U						
Bromoethene	0.23 U						
Propene	7.52						
Heptane	4.83						
1,1-Dichloroethene	0.25 U						
Ethyl Acetate	65.8						
Acetone	18.7						
Carbon Disulfide	2.3						
Methyl tert butyl Ether	1.01						
Methylene Chloride	2.02						
Allyl Chloride	0.15 U						
trans-1,2-Dichloroethene	0.27 U						
Vinyl Acetate	0.28 U						
1,1-Dichloroethane	0.28 U						
Cyclohexane	0.21 U						
2-Butanone	0.28 U						
Carbon Tetrachloride	0.38 U						
cis-1,2-Dichloroethene	0.27 U						
Chloroform	1.27						
1,4-Dioxane	0.4 U						
1,1,1-Trichloroethane	0.24 U						
Tetrahydrofuran	0.35 U						
2,2,4-Trimethylpentane	2.05						
Benzene	3.57						
1,2-Dichlorobenzene	0.24 U						
Trichloroethene	0.39 U						
1,2-Dichloropropane	0.45 U						
Bromodichloromethane	0.54 U						
4-Methyl-2-Pentanone	0.21 U						
Toluene	13.3	J			138%/ok		
t-1,3-Dichloropropene	0.23 U						
cis-1,3-Dichloropropene	0.28 U						
1,1,2-Trichloroethene	0.6 U						
2-Hexanone	0.18 U			42%			
Dibromochloromethane	0.65 U						
1,2-Dibromoethane	0.52 U						
Tetrachloroethene	8.01						
Chlorobenzene	0.6 U						
Ethyl Benzene	4.25						
m/p-Xylene	14.9						
o-Xylene	4.94						
Styrene	0.37 U						
Bromoform	0.5 U			33%			
1,1,2,2-Tetrachloroethane	0.89 U						
1,3,5-Trimethylbenzene	6.77						
1,2,4-Trimethylbenzene	11.3						
4-Ethyltoluene	3.93	J		41%			
1,3-Dichlorobenzene	0.26 U				152%/144%		
1,4-Dichlorobenzene	0.41 U			33%	150%/144%	138%	
1,2-Dichlorobenzene	0.51 U				146%/136%		
1,2,4-Trichlorobenzene	0.7 U				200%/194%		
Hexachloro-1,3-Butadiene	0.9 U		51%		146%/142%	146%	
1,3-Butadiene	0.18 U						
Hexane	0.25 U						
Benzyl Chloride	0.29 U	J	59%	73%			

Sample: 360024-SV-4S Y1293-04 (2X)

	MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane						
Chloromethane						
Vinyl Chloride						
Bromomethane						
Chloroethane						
Trichlorofluoromethane						
Isopropyl Alcohol						
Dichlorotetrafluoroethane						
1,1,2-Trichloroethene						
Bromoethene						
Propene						
Heptane						
1,1-Dichloroethene						
Ethyl Acetate						
Acetone						
Carbon Disulfide						
Methyl tert butyl Ether						
Methylene Chloride						
Allyl Chloride						
trans-1,2-Dichloroethene						
Vinyl Acetate						
1,1-Dichloroethane						
Cyclohexane						
2-Butanone						
Carbon Tetrachloride						
cis-1,2-Dichloroethene						
Chloroform						
1,4-Dioxane						
1,1,1-Trichloroethane						
Tetrahydrofuran						
2,2,4-Trimethylpentane						
Benzene						
1,2-Dichlorobenzene						
Trichloroethene						
1,2-Dichloropropane						
Bromodichloromethane						
4-Methyl-2-Pentanone						
Toluene	J			138%/ok		
t-1,3-Dichloropropene						
cis-1,3-Dichloropropene						
1,1,2-Trichloroethene						
2-Hexanone			42%			
Dibromochloromethane						
1,2-Dibromoethane						
Tetrachloroethene						
Chlorobenzene						
Ethyl Benzene						
m/p-Xylene						
o-Xylene						
Styrene						
Bromoform			33%			
1,1,2,2-Tetrachloroethane						
1,3,5-Trimethylbenzene						
1,2,4-Trimethylbenzene						
4-Ethyltoluene			41%			
1,3-Dichlorobenzene				152%/144%		
1,4-Dichlorobenzene	J		33%	150%/144%	138%	
1,2-Dichlorobenzene				146%/136%		
1,2,4-Trichlorobenzene				200%/194%		
Hexachloro-1,3-Butadiene		51%		146%/142%	146%	
1,3-Butadiene						
Hexane						
Benzyl Chloride	J	59%	73%			

Sample: 360024-SV-44S Y1293-05

			MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	1.42	J						High
Chloromethane	0.1	U						High
Vinyl Chloride	0.1	U						High
Bromomethane	0.17	U						High
Chloroethane	0.13	U						High
Trichlorofluoromethane	0.87	J						High
Isopropyl Alcohol	1.82	J						High
Dichlorotetrafluoroethane	0.28	U						High
1,1,2-Trichloroethene	0.24	U						High
Bromoethene	0.15	U						High
Propene	6.39	J						High
Heptane	2.39	J						High
1,1-Dichloroethene	0.16	U						High
Ethyl Acetate	20.9	J						High
Acetone	18.8	J						High
Carbon Disulfide	3.43	J						High
Methyl tert butyl Ether	0.56	J						High
Methylene Chloride	1.27	J						High
Allyl Chloride	0.1	U						High
trans-1,2-Dichloroethene	0.17	U						High
Vinyl Acetate	0.18	U						High
1,1-Dichloroethane	0.18	U						High
Cyclohexane	1.31	J						High
2-Butanone	2.22	J						High
Carbon Tetrachloride	0.25	U						High
cis-1,2-Dichloroethene	0.17	U						High
Chloroform	2.91	J						High
1,4-Dioxane	0.25	U						High
1,1,1-Trichloroethane	0.16	U						High
Tetrahydrofuran	0.23	U						High
2,2,4-Trimethylpentane	0.79	J						High
Benzene	1.74	J						High
1,2-Dichlorobenzene	0.16	U						High
Trichloroethene	0.25	U	0.037					High
1,2-Dichloropropane	0.3	U						High
Bromodichloromethane	0.35	U						High
4-Methyl-2-Pentanone	0.14	U						High
Toluene	15.9	J				138%/ok		High
t-1,3-Dichloropropene	0.15	U						High
cis-1,3-Dichloropropene	0.18	U						High
1,1,2-Trichloroethene	0.38	U						High
2-Hexanone	0.12	U						High
Dibromochloromethane	0.42	U						High
1,2-Dibromoethane	0.34	U						High
Tetrachloroethene	2.38	J						High
Chlorobenzene	0.4	U						High
Ethyl Benzene	2.87	J						High
m/p-Xylene	7.5	J						High
o-Xylene	2.99	J						High
Styrene	0.66	J						High
Bromoform	0.32	U						High
1,1,2,2-Tetrachloroethane	0.58	U						High
1,3,5-Trimethylbenzene	1.02	J						High
1,2,4-Trimethylbenzene	2.55	J						High
4-Ethyltoluene	0.96	J				35%		High
1,3-Dichlorobenzene	0.17	U				152%/144%	138%	High
1,4-Dichlorobenzene	2.27	J				150%/144%	148%	High
1,2-Dichlorobenzene	0.33	U				146%/136%		High
1,2,4-Trichlorobenzene	0.45	U				200%/194%		High
Hexachloro-1,3-Butadiene	0.59	U		51%		146%/142%	156%	High
1,3-Butadiene	0.11	U						High
Hexane	5.03	J						High
Benzyl Chloride	0.18	U	J	59%	69%			High

Sample: 360024-SV-44S RE Y1293-05 RE (5X)

			MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	2.08	J						145%
Chloromethane	0.15	U						145%
Vinyl Chloride	0.15	U						145%
Bromomethane	0.26	U						145%
Chloroethane	0.2	U						145%
Trichlorofluoromethane	1.23	J						145%
Isopropyl Alcohol	0.06	U						145%
Dichlorotetrafluoroethane	0.43	U						145%
1,1,2-Trichloroethene	0.38	U						145%
Bromoethene	0.23	U						145%
Propene	9.52	J						145%
Heptane	2.86	J						145%
1,1-Dichloroethene	0.25	U						145%
Ethyl Acetate	23.6	J						145%
Acetone	19.8	J						145%
Carbon Disulfide	5.1	J						145%
Methyl tert butyl Ether	0.17	U						145%
Methylene Chloride	1.95	J						145%
Allyl Chloride	0.15	U						145%
trans-1,2-Dichloroethene	0.27	U						145%
Vinyl Acetate	0.28	U						145%
1,1-Dichloroethane	0.28	U						145%
Cyclohexane	1.88	J						145%
2-Butanone	2.47	J						154%
Carbon Tetrachloride	0.38	U						154%
cis-1,2-Dichloroethene	0.27	U						145%
Chloroform	3.41	J						145%
1,4-Dioxane	0.4	U						154%
1,1,1-Trichloroethane	0.24	U						145%
Tetrahydrofuran	0.35	U						154%
2,2,4-Trimethylpentane	0.93	J	J					154%
Benzene	2.17	J						154%
1,2-Dichlorobenzene	0.24	U						154%
Trichloroethene	0.39	U						154%
1,2-Dichloropropane	0.45	U						154%
Bromodichloromethane	0.54	U						154%
4-Methyl-2-Pentanone	0.21	U						154%
Toluene	17.3	J				138%/ok		154%
t-1,3-Dichloropropene	0.23	U						154%
cis-1,3-Dichloropropene	0.28	U						154%
1,1,2-Trichloroethene	0.6	U						154%
2-Hexanone	0.18	U			42%			154%
Dibromochloromethane	0.65	U						154%
1,2-Dibromoethane	0.52	U						154%
Tetrachloroethene	2.85	J						154%
Chlorobenzene	0.6	U						OK
Ethyl Benzene	2.86	U						OK
m/p-Xylene	7.54	U						OK
o-Xylene	3.12	U						OK
Styrene	0.37	U						OK
Bromoform	0.5	U			33%			154%
1,1,2,2-Tetrachloroethane	0.89	U						OK
1,3,5-Trimethylbenzene	1.18	U						OK
1,2,4-Trimethylbenzene	2.75	U						OK
4-Ethyltoluene	0.98	J	J		41%			OK
1,3-Dichlorobenzene	0.26	U				152%/144%		OK
1,4-Dichlorobenzene	2.04	J			33%	150%/144%	138%	OK
1,2-Dichlorobenzene	0.51	U				146%/136%		OK
1,2,4-Trichlorobenzene	0.7	U				200%/194%		OK
Hexachloro-1,3-Butadiene	0.9	U		51%		146%/142%	146%	OK
1,3-Butadiene	0.18	U						145%
Hexane	0.25	U						145%
Benzyl Chloride	0.29	U	J	59%	73%			OK

Sample: 360024-SV-2S Y1293-06

		MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	2.08						
Chloromethane	0.15 U						
Vinyl Chloride	0.15 U						
Bromomethane	0.26 U						
Chloroethane	0.2 U						
Trichlorofluoromethane	1.23						
Isopropyl Alcohol	1.37						
Dichlorotetrafluoroethane	0.43 U						
1,1,2-Trichloroethene	0.38 U						
Bromoethene	0.23 U						
Propene	13.3						
Heptane	11.5						
1,1-Dichloroethene	0.25 U						
Ethyl Acetate	26.6						
Acetone	97.1 E						
Carbon Disulfide	1.8						
Methyl tert butyl Ether	48.4						
Methylene Chloride	3.82						
Allyl Chloride	0.15 U						
trans-1,2-Dichloroethene	0.27 U						
Vinyl Acetate	0.28 U						
1,1-Dichloroethane	0.28 U						
Cyclohexane	2.41						
2-Butanone	14.6						
Carbon Tetrachloride	0.38 U						
cis-1,2-Dichloroethene	6.11						
Chloroform	4.58						
1,4-Dioxane	0.4 U						
1,1,1-Trichloroethane	0.24 U						
Tetrahydrofuran	3.65						
2,2,4-Trimethylpentane	5.04						
Benzene	6.44						
1,2-Dichlorobenzene	0.24 U						
Trichloroethene	21.6						
1,2-Dichloropropane	0.45 U						
Bromodichloromethane	0.54 U						
4-Methyl-2-Pentanone	5.24						
Toluene	61.3	J			138%/ok		
t-1,3-Dichloropropene	0.23 U						
cis-1,3-Dichloropropene	0.28 U						
1,1,2-Trichloroethene	0.6 U						
2-Hexanone	0.18 U			42%			
Dibromochloromethane	0.65 U						
1,2-Dibromoethane	0.52 U						
Tetrachloroethene	206						
Chlorobenzene	0.6 U						
Ethyl Benzene	31.3						
m/p-Xylene	129						
o-Xylene	50.7						
Styrene	0.37 U						
Bromoform	0.5 U			33%			
1,1,2,2-Tetrachloroethane	0.89 U						
1,3,5-Trimethylbenzene	95.5						
1,2,4-Trimethylbenzene	199 E						
4-Ethyltoluene	40.9	J		41%			
1,3-Dichlorobenzene	0.26 U				152%/144%		
1,4-Dichlorobenzene	0.41 U			33%	150%/144%	138%	
1,2-Dichlorobenzene	0.51 U				146%/136%		
1,2,4-Trichlorobenzene	0.7 U				200%/194%		
Hexachloro-1,3-Butadiene	0.9 U		51%		146%/142%	146%	
1,3-Butadiene	0.18 U						
Hexane	0.25 U						
Benzyl Chloride	0.29 U	J	59%	73%			

Sample: 360024-OA-1 Y1293-14

		MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	2.67						OK
Chloromethane	0.98						OK
Vinyl Chloride	0.08 U						OK
Bromomethane	0.13 U						OK
Chloroethane	0.1 U						OK
Trichlorofluoromethane	2.3						OK
Isopropyl Alcohol	7.95						OK
Dichlorotetrafluoroethane	0.22 U						OK
1,1,2-Trichloroethene	0.99						OK
Bromoethene	0.11 U						OK
Propene	1.6						OK
Heptane	0.16 U						OK
1,1-Dichloroethene	0.12 U						OK
Ethyl Acetate	74 E						OK
Acetone	5.79						OK
Carbon Disulfide	0.07 U						OK
Methyl tert butyl Ether	0.09 U						OK
Methylene Chloride	2.92						OK
Allyl Chloride	0.08 U						OK
trans-1,2-Dichloroethene	0.13 U						OK
Vinyl Acetate	1.9	J				50%	OK
1,1-Dichloroethane	0.14 U						OK
Cyclohexane	0.1 U						OK
2-Butanone	0.14 U						OK
Carbon Tetrachloride	0.19 U						OK
cis-1,2-Dichloroethene	0.13 U						OK
Chloroform	0.12 U						OK
1,4-Dioxane	0.19 U						OK
1,1,1-Trichloroethane	0.12 U						OK
Tetrahydrofuran	0.17 U						OK
2,2,4-Trimethylpentane	0.14 U						OK
Benzene	1.63						OK
1,2-Dichlorobenzene	0.12 U						OK
Trichloroethene	0.12 U						OK
1,2-Dichloropropane	0.23 U						OK
Bromodichloromethane	0.27 U						OK
4-Methyl-2-Pentanone	0.11 U						OK
Toluene	6.85				138%/ok		OK
t-1,3-Dichloropropene	0.11 U						OK
cis-1,3-Dichloropropene	0.14 U						OK
1,1,2-Trichloroethene	0.29 U						OK
2-Hexanone	0.09 U	J				62%	OK
Dibromochloromethane	0.32 U						OK
1,2-Dibromoethane	0.26 U						OK
Tetrachloroethene	2.17						OK
Chlorobenzene	0.31 U	J					57%
Ethyl Benzene	0.16 U	J					57%
m/p-Xylene	0.87	J	J				57%
o-Xylene	0.17 U	J					57%
Styrene	0.19 U	J					57%
Bromoform	0.25 U						OK
1,1,2,2-Tetrachloroethane	0.45 U	J					57%
1,3,5-Trimethylbenzene	0.12 U	J					57%
1,2,4-Trimethylbenzene	0.18 U	J					57%
4-Ethyltoluene	0.07 U	J					57%
1,3-Dichlorobenzene	0.13 U	J			33%	152%/144%	57%
1,4-Dichlorobenzene	0.2 U	J				150%/144%	57%
1,2-Dichlorobenzene	0.25 U	J			34%	146%/136%	57%
1,2,4-Trichlorobenzene	0.35 U	J				200%/194%	186% 57%
Hexachloro-1,3-Butadiene	0.45 U	J				146%/142%	140% 57%
1,3-Butadiene	0.09 U	J					OK
Hexane	0.13 U						OK
Benzyl Chloride	0.14 U	J			41%		57%

Sample: 360024-OA-1 DL Y1293-14 DL

			MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	3.56 U	J						Low
Chloromethane	1.47 U	J						Low
Vinyl Chloride	1.53 U	J						Low
Bromomethane	2.64 U	J						Low
Chloroethane	2.02 U	J						Low
Trichlorofluoromethane	3.14 U	J						Low
Isopropyl Alcohol	10.3 D	J						Low
Dichlorotetrafluoroethane	4.34 U	J						Low
1,1,2-Trichloroethene	3.82 U	J						Low
Bromoethene	2.28 U	J						Low
Propene	1.72 U	J						Low
Heptane	3.27 U	J						Low
1,1-Dichloroethene	2.46 U	J						Low
Ethyl Acetate	84.2 D	J						Low
Acetone	9.49 JD	J						Low
Carbon Disulfide	1.49 U	J						Low
Methyl tert butyl Ether	1.73 U	J						Low
Methylene Chloride	1.04 U	J						Low
Allyl Chloride	1.51 U	J						Low
trans-1,2-Dichloroethene	2.7 U	J						Low
Vinyl Acetate	2.81 U	J					50%	Low
1,1-Dichloroethane	2.75 U	J						Low
Cyclohexane	2.08 U	J						Low
2-Butanone	2.77 U	J						Low
Carbon Tetrachloride	3.78 U	J						Low
cis-1,2-Dichloroethene	2.7 U	J						Low
Chloroform	2.34 U	J						Low
1,4-Dioxane	3.96 U	J						Low
1,1,1-Trichloroethane	2.39 U	J						Low
Tetrahydrofuran	3.53 U	J						Low
2,2,4-Trimethylpentane	2.89 U	J						Low
Benzene	1.6 U	J						Low
1,2-Dichlorobenzene	2.43 U	J						Low
Trichloroethene	2.36 U	J						Low
1,2-Dichloropropane	4.53 U	J						Low
Bromodichloromethane	5.37 U	J						Low
4-Methyl-2-Pentanone	2.13 U	J						Low
Toluene	7.53 JD	J				138%/ok		Low
t-1,3-Dichloropropene	2.27 U	J						Low
cis-1,3-Dichloropropene	2.81 U	J						Low
1,1,2-Trichloroethene	5.98 U	J						Low
2-Hexanone	1.8 U	J					62%	Low
Dibromochloromethane	6.47 U	J						Low
1,2-Dibromoethane	5.23 U	J						Low
Tetrachloroethene	5.3 U	J						Low
Chlorobenzene	6.01 U	J						Low
Ethyl Benzene	3.12 U	J						Low
m/p-Xylene	5.64 U	J						Low
o-Xylene	3.47 U	J						Low
Styrene	3.74 U	J						Low
Bromoform	4.97 U	J						Low
1,1,2,2-Tetrachloroethane	8.93 U	J						Low
1,3,5-Trimethylbenzene	2.36 U	J						Low
1,2,4-Trimethylbenzene	3.53 U	J						Low
4-Ethyltoluene	1.47 U	J						Low
1,3-Dichlorobenzene	2.65 U	J			33%	152%/144%		Low
1,4-Dichlorobenzene	4.09 U	J				150%/144%		Low
1,2-Dichlorobenzene	5.05 U	J			34%	146%/136%		Low
1,2,4-Trichlorobenzene	6.96 U	J				200%/194%	186%	Low
Hexachloro-1,3-Butadiene	8.97 U	J				146%/142%	140%	Low
1,3-Butadiene	1.77 U	J						Low
Hexane	2.53 U	J						Low
Benzyl Chloride	2.88 U	J			41%			Low

Sample: 360024-SS-1 Y1293-15

		MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	1.88						OK
Chloromethane	0.15 U						OK
Vinyl Chloride	0.15 U						OK
Bromomethane	0.26 U						OK
Chloroethane	0.2 U						OK
Trichlorofluoromethane	2.02						OK
Isopropyl Alcohol	8.1						OK
Dichlorotetrafluoroethane	0.43 U						OK
1,1,2-Trichloroethene	0.38 U						OK
Bromoethene	0.23 U						OK
Propene	0.17 U						OK
Heptane	12.3						OK
1,1-Dichloroethene	0.25 U						OK
Ethyl Acetate	104						OK
Acetone	436 E	J					OK
Carbon Disulfide	2.05						OK
Methyl tert butyl Ether	0.17 U						OK
Methylene Chloride	2.64						OK
Allyl Chloride	0.15 U						OK
trans-1,2-Dichloroethene	0.27 U						OK
Vinyl Acetate	0.28 U						OK
1,1-Dichloroethane	0.28 U						OK
Cyclohexane	2.35						OK
2-Butanone	66.6	J					160%
Carbon Tetrachloride	0.38 U						160%
cis-1,2-Dichloroethene	0.27 U						OK
Chloroform	1.07						OK
1,4-Dioxane	0.4 U						160%
1,1,1-Trichloroethane	0.24 U						OK
Tetrahydrofuran	0.35 U						160%
2,2,4-Trimethylpentane	0.29 U						160%
Benzene	2.87	J					160%
1,2-Dichlorobenzene	0.24 U						160%
Trichloroethene	41.6	J					160%
1,2-Dichloropropane	0.45 U						160%
Bromodichloromethane	0.54 U						160%
4-Methyl-2-Pentanone	0.21 U						160%
Toluene	709 E	J			138%/ok		160%
t-1,3-Dichloropropene	0.23 U						160%
cis-1,3-Dichloropropene	0.28 U						160%
1,1,2-Trichloroethene	0.6 U						160%
2-Hexanone	0.18 U			42%			160%
Dibromochloromethane	0.65 U						160%
1,2-Dibromoethane	0.52 U						160%
Tetrachloroethene	1841 E	J					160%
Chlorobenzene	0.6 U						149%
Ethyl Benzene	4.94	J					149%
m/p-Xylene	18.5	J					149%
o-Xylene	5.55	J					149%
Styrene	5.36	J					149%
Bromoform	0.5 U			33%			160%
1,1,2,2-Tetrachloroethane	0.89 U						149%
1,3,5-Trimethylbenzene	4.42	J					149%
1,2,4-Trimethylbenzene	15.5	J					149%
4-Ethyltoluene	3.93	J		41%			149%
1,3-Dichlorobenzene	1.2	J			152%/144%		149%
1,4-Dichlorobenzene	18.3	J		33%	150%/144%	138%	149%
1,2-Dichlorobenzene	1.68	J			146%/136%		149%
1,2,4-Trichlorobenzene	0.7 U				200%/194%		149%
Hexachloro-1,3-Butadiene	0.9 U		51%		146%/142%	146%	149%
1,3-Butadiene	0.18 U						OK
Hexane	0.25 U						OK
Benzyl Chloride	0.29 U	J	59%	73%			149%

Sample: 360024-SS-1 DL Y1293-15 DL

		MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	9.4 U						
Chloromethane	3.89 U						
Vinyl Chloride	4.09 U						
Bromomethane	6.99 U						
Chloroethane	5.32 U						
Trichlorofluoromethane	8.4 U						
Isopropyl Alcohol	1.52 U						
Dichlorotetrafluoroethane	11.19 U						
1,1,2-Trichloroethene	9.94 U						
Bromoethene	6.13 U						
Propene	4.64 U						
Heptane	21.3 JD						
1,1-Dichloroethene	6.35 U						
Ethyl Acetate	3.96 U						
Acetone	387 D						
Carbon Disulfide	3.73 U						
Methyl tert butyl Ether	4.32 U						
Methylene Chloride	2.71 U						
Allyl Chloride	3.78 U						
trans-1,2-Dichloroethene	7.14 U						
Vinyl Acetate	7.39 U						
1,1-Dichloroethane	7.29 U						
Cyclohexane	5.37 U						
2-Butanone	67.4 D						
Carbon Tetrachloride	10.08 U						
cis-1,2-Dichloroethene	7.14 U						
Chloroform	5.84 U						
1,4-Dioxane	10.08 U						
1,1,1-Trichloroethane	5.98 U						
Tetrahydrofuran	9.13 U						
2,2,4-Trimethylpentane	7.46 U						
Benzene	4.15 U						
1,2-Dichlorobenzene	6.48 U						
Trichloroethene	66.9 D	0.037					
1,2-Dichloropropane	11.55 U						
Bromodichloromethane	14.09 U						
4-Methyl-2-Pentanone	5.73 U						
Toluene	1847 D				138%/ok		
t-1,3-Dichloropropene	5.9 U						
cis-1,3-Dichloropropene	7.26 U						
1,1,2-Trichloroethene	15.23 U						
2-Hexanone	4.5 U						
Dibromochloromethane	17.01 U						
1,2-Dibromoethane	13.84 U						
Tetrachloroethene	3749 D						
Chlorobenzene	15.71 U						
Ethyl Benzene	8.24 U						
m/p-Xylene	14.31 U						
o-Xylene	9.1 U						
Styrene	9.78 U						
Bromoform	12.42 U						
1,1,2,2-Tetrachloroethane	23.36 U						
1,3,5-Trimethylbenzene	5.89 U						
1,2,4-Trimethylbenzene	9.33 U						
4-Ethyltoluene	3.83 U			35%			
1,3-Dichlorobenzene	6.61 U				152%/144%	138%	
1,4-Dichlorobenzene	10.82 U				150%/144%	148%	
1,2-Dichlorobenzene	13.23 U				146%/136%		
1,2,4-Trichlorobenzene	17.77 U				200%/194%		
Hexachloro-1,3-Butadiene	23.48 U		51%		146%/142%	156%	
1,3-Butadiene	4.64 U						
Hexane	6.68 U						
Benzyl Chloride	7.5 U		59%	69%			

Sample: 360024-BA-1 Y1293-16

			MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	2.18	J						Low
Chloromethane	1.06	J						Low
Vinyl Chloride	0.08 U	J						Low
Bromomethane	0.13 U	J						Low
Chloroethane	0.1 U	J						Low
Trichlorofluoromethane	2.19	J						Low
Isopropyl Alcohol	3.68	J						Low
Dichlorotetrafluoroethane	0.22 U	J						Low
1,1,2-Trichloroethene	1.15	J						Low
Bromoethene	0.11 U	J						Low
Propene	0.09 U	J						Low
Heptane	1.1	J						Low
1,1-Dichloroethene	0.12 U	J						Low
Ethyl Acetate	92.3 E	J						Low
Acetone	11.9	J						Low
Carbon Disulfide	0.07 U	J						Low
Methyl tert butyl Ether	0.09 U	J						Low
Methylene Chloride	2.92	J						Low
Allyl Chloride	0.08 U	J						Low
trans-1,2-Dichloroethene	0.13 U	J						Low
Vinyl Acetate	2.39	J					50%	Low
1,1-Dichloroethane	0.14 U	J						Low
Cyclohexane	0.1 U	J						Low
2-Butanone	0.14 U	J						Low
Carbon Tetrachloride	0.19 U	J						Low
cis-1,2-Dichloroethene	0.13 U	J						Low
Chloroform	0.12 U	J						Low
1,4-Dioxane	0.19 U	J						Low
1,1,1-Trichloroethane	0.12 U	J						Low
Tetrahydrofuran	0.17 U	J						Low
2,2,4-Trimethylpentane	0.14 U	J						Low
Benzene	3.19	J						Low
1,2-Dichlorobenzene	0.12 U	J						Low
Trichloroethene	0.12 U	J						Low
1,2-Dichloropropane	0.23 U	J						Low
Bromodichloromethane	0.27 U	J						Low
4-Methyl-2-Pentanone	0.11 U	J						Low
Toluene	25.6	J				138%/ok		Low
t-1,3-Dichloropropene	0.11 U	J						Low
cis-1,3-Dichloropropene	0.14 U	J						Low
1,1,2-Trichloroethene	0.29 U	J						Low
2-Hexanone	0.09 U	J					62%	Low
Dibromochloromethane	0.32 U	J						Low
1,2-Dibromoethane	0.26 U	J						Low
Tetrachloroethene	1.36	J						Low
Chlorobenzene	0.31 U	J						Low
Ethyl Benzene	0.65	J						Low
m/p-Xylene	1.65	J						Low
o-Xylene	0.65	J						Low
Styrene	0.19 U	J						Low
Bromoform	0.25 U	J						Low
1,1,2,2-Tetrachloroethane	0.45 U	J						Low
1,3,5-Trimethylbenzene	0.12 U	J						Low
1,2,4-Trimethylbenzene	0.18 U	J						Low
4-Ethyltoluene	0.07 U	J						Low
1,3-Dichlorobenzene	0.13 U	J			33%	152%/144%		Low
1,4-Dichlorobenzene	0.2 U	J				150%/144%		Low
1,2-Dichlorobenzene	0.25 U	J			34%	146%/136%		Low
1,2,4-Trichlorobenzene	0.35 U	J				200%/194%	186%	Low
Hexachloro-1,3-Butadiene	0.45 U	J				146%/142%	140%	Low
1,3-Butadiene	0.09 U	J						Low
Hexane	0.13 U	J						Low
Benzyl Chloride	0.14 U	J			41%			Low

Sample: 360024-BA-1 DL Y1293-16 DL

			MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	3.56 U	J						Low
Chloromethane	1.47 U	J						Low
Vinyl Chloride	1.53 U	J						Low
Bromomethane	2.64 U	J						Low
Chloroethane	2.02 U	J						Low
Trichlorofluoromethane	3.14 U	J						Low
Isopropyl Alcohol	29.9 D	J						Low
Dichlorotetrafluoroethane	4.34 U	J						Low
1,1,2-Trichloroethene	3.82 U	J						Low
Bromoethene	2.28 U	J						Low
Propene	1.72 U	J						Low
Heptane	3.27 U	J						Low
1,1-Dichloroethene	2.46 U	J						Low
Ethyl Acetate	107 D	J						Low
Acetone	14.7 D	J						Low
Carbon Disulfide	1.49 U	J						Low
Methyl tert butyl Ether	1.73 U	J						Low
Methylene Chloride	1.04 U	J						Low
Allyl Chloride	1.51 U	J						Low
trans-1,2-Dichloroethene	2.7 U	J						Low
Vinyl Acetate	2.81 U	J					50%	Low
1,1-Dichloroethane	2.75 U	J						Low
Cyclohexane	2.08 U	J						Low
2-Butanone	2.77 U	J						Low
Carbon Tetrachloride	3.78 U	J						Low
cis-1,2-Dichloroethene	2.7 U	J						Low
Chloroform	2.34 U	J						Low
1,4-Dioxane	3.96 U	J						Low
1,1,1-Trichloroethane	2.39 U	J						Low
Tetrahydrofuran	3.53 U	J						Low
2,2,4-Trimethylpentane	2.89 U	J						Low
Benzene	1.6 U	J						Low
1,2-Dichlorobenzene	2.43 U	J						Low
Trichloroethene	2.36 U	J						Low
1,2-Dichloropropane	4.53 U	J						Low
Bromodichloromethane	5.37 U	J						Low
4-Methyl-2-Pentanone	2.13 U	J						Low
Toluene	21.1 D	J				138%/ok		Low
t-1,3-Dichloropropene	2.27 U	J						Low
cis-1,3-Dichloropropene	2.81 U	J						Low
1,1,2-Trichloroethene	5.98 U	J						Low
2-Hexanone	1.8 U	J					62%	Low
Dibromochloromethane	6.47 U	J						Low
1,2-Dibromoethane	5.23 U	J						Low
Tetrachloroethene	5.3 U	J						Low
Chlorobenzene	6.01 U	J						Low
Ethyl Benzene	3.12 U	J						Low
m/p-Xylene	5.64 U	J						Low
o-Xylene	3.47 U	J						Low
Styrene	3.74 U	J						Low
Bromoform	4.97 U	J						Low
1,1,2,2-Tetrachloroethane	8.93 U	J						Low
1,3,5-Trimethylbenzene	2.36 U	J						Low
1,2,4-Trimethylbenzene	3.53 U	J						Low
4-Ethyltoluene	1.47 U	J						Low
1,3-Dichlorobenzene	2.65 U	J			33%	152%/144%		Low
1,4-Dichlorobenzene	4.09 U	J				150%/144%		Low
1,2-Dichlorobenzene	5.05 U	J			34%	146%/136%		Low
1,2,4-Trichlorobenzene	6.96 U	J				200%/194%	186%	Low
Hexachloro-1,3-Butadiene	8.97 U	J				146%/142%	140%	Low
1,3-Butadiene	1.77 U	J						Low
Hexane	2.53 U	J						Low
Benzyl Chloride	2.88 U	J			41%			Low

Sample: 360024-BA-2 Y1293-17

			MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	2.52	J						Low
Chloromethane	1	J						Low
Vinyl Chloride	0.08 U	J						Low
Bromomethane	0.13 U	J						Low
Chloroethane	0.1 U	J						Low
Trichlorofluoromethane	2.69	J						Low
Isopropyl Alcohol	29.5	J						Low
Dichlorotetrafluoroethane	0.22 U	J						Low
1,1,2-Trichloroethene	0.19 U	J						Low
Bromoethene	0.11 U	J						Low
Propene	1.56	J						Low
Heptane	1.19	J						Low
1,1-Dichloroethene	0.12 U	J						Low
Ethyl Acetate	142 E	J						Low
Acetone	10.4	J						Low
Carbon Disulfide	0.07 U	J						Low
Methyl tert butyl Ether	0.09 U	J						Low
Methylene Chloride	3.16	J						Low
Allyl Chloride	0.08 U	J						Low
trans-1,2-Dichloroethene	0.13 U	J						Low
Vinyl Acetate	5.8	J					50%	Low
1,1-Dichloroethane	0.14 U	J						Low
Cyclohexane	0.74	J						Low
2-Butanone	0.14 U	J						Low
Carbon Tetrachloride	0.19 U	J						Low
cis-1,2-Dichloroethene	0.13 U	J						Low
Chloroform	0.12 U	J						Low
1,4-Dioxane	0.19 U	J						Low
1,1,1-Trichloroethane	0.12 U	J						Low
Tetrahydrofuran	0.17 U	J						Low
2,2,4-Trimethylpentane	0.14 U	J						Low
Benzene	4.34	J						Low
1,2-Dichlorobenzene	0.12 U	J						Low
Trichloroethene	0.12 U	J						Low
1,2-Dichloropropane	0.23 U	J						Low
Bromodichloromethane	0.27 U	J						Low
4-Methyl-2-Pentanone	0.11 U	J						Low
Toluene	32.1	J				138%/ok		Low
t-1,3-Dichloropropene	0.11 U	J						Low
cis-1,3-Dichloropropene	0.14 U	J						Low
1,1,2-Trichloroethene	0.29 U	J						Low
2-Hexanone	0.09 U	J					62%	Low
Dibromochloromethane	0.32 U	J						Low
1,2-Dibromoethane	0.26 U	J						Low
Tetrachloroethene	25.5	J						Low
Chlorobenzene	0.31 U	J						Low
Ethyl Benzene	0.78	J						Low
m/p-Xylene	1.99	J						Low
o-Xylene	0.69	J						Low
Styrene	0.19 U	J						Low
Bromoform	0.25 U	J						Low
1,1,2,2-Tetrachloroethane	0.45 U	J						Low
1,3,5-Trimethylbenzene	0.12 U	J						Low
1,2,4-Trimethylbenzene	0.79	J						Low
4-Ethyltoluene	0.49 J	J						Low
1,3-Dichlorobenzene	0.13 U	J			33%	152%/144%		Low
1,4-Dichlorobenzene	0.2 U	J				150%/144%		Low
1,2-Dichlorobenzene	0.25 U	J			34%	146%/136%		Low
1,2,4-Trichlorobenzene	0.35 U	J				200%/194%	186%	Low
Hexachloro-1,3-Butadiene	0.45 U	J				146%/142%	140%	Low
1,3-Butadiene	0.09 U	J						Low
Hexane	0.13 U	J						Low
Benzyl Chloride	0.14 U	J			41%			Low

Sample: 360024-BA-2 DL Y1293-17 DL

			MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	3.56 U	J						Low
Chloromethane	1.47 U	J						Low
Vinyl Chloride	1.53 U	J						Low
Bromomethane	2.64 U	J						Low
Chloroethane	2.02 U	J						Low
Trichlorofluoromethane	3.14 U	J						Low
Isopropyl Alcohol	37.8 D	J						Low
Dichlorotetrafluoroethane	4.34 U	J						Low
1,1,2-Trichloroethene	3.82 U	J						Low
Bromoethene	2.28 U	J						Low
Propene	1.72 U	J						Low
Heptane	3.27 U	J						Low
1,1-Dichloroethene	2.46 U	J						Low
Ethyl Acetate	226 D	J						Low
Acetone	12.3 D	J						Low
Carbon Disulfide	1.49 U	J						Low
Methyl tert butyl Ether	1.73 U	J						Low
Methylene Chloride	1.04 U	J						Low
Allyl Chloride	1.51 U	J						Low
trans-1,2-Dichloroethene	2.7 U	J						Low
Vinyl Acetate	2.81 U	J					50%	Low
1,1-Dichloroethane	2.75 U	J						Low
Cyclohexane	2.08 U	J						Low
2-Butanone	2.77 U	J						Low
Carbon Tetrachloride	3.78 U	J						Low
cis-1,2-Dichloroethene	2.7 U	J						Low
Chloroform	2.34 U	J						Low
1,4-Dioxane	3.96 U	J						Low
1,1,1-Trichloroethane	2.39 U	J						Low
Tetrahydrofuran	3.53 U	J						Low
2,2,4-Trimethylpentane	2.89 U	J						Low
Benzene	1.6 U	J						Low
1,2-Dichlorobenzene	2.43 U	J						Low
Trichloroethene	2.36 U	J						Low
1,2-Dichloropropane	4.53 U	J						Low
Bromodichloromethane	5.37 U	J						Low
4-Methyl-2-Pentanone	2.13 U	J						Low
Toluene	35.4 D	J				138%/ok		Low
t-1,3-Dichloropropene	2.27 U	J						Low
cis-1,3-Dichloropropene	2.81 U	J						Low
1,1,2-Trichloroethene	5.98 U	J						Low
2-Hexanone	1.8 U	J					62%	Low
Dibromochloromethane	6.47 U	J						Low
1,2-Dibromoethane	5.23 U	J						Low
Tetrachloroethene	31.2 D	J						Low
Chlorobenzene	6.01 U	J						Low
Ethyl Benzene	3.12 U	J						Low
m/p-Xylene	5.64 U	J						Low
o-Xylene	3.47 U	J						Low
Styrene	3.74 U	J						Low
Bromoform	4.97 U	J						Low
1,1,2,2-Tetrachloroethane	8.93 U	J						Low
1,3,5-Trimethylbenzene	2.36 U	J						Low
1,2,4-Trimethylbenzene	3.53 U	J						Low
4-Ethyltoluene	1.47 U	J						Low
1,3-Dichlorobenzene	2.65 U	J			33%	152%/144%		Low
1,4-Dichlorobenzene	4.09 U	J				150%/144%		Low
1,2-Dichlorobenzene	5.05 U	J			34%	146%/136%		Low
1,2,4-Trichlorobenzene	6.96 U	J				200%/194%	186%	Low
Hexachloro-1,3-Butadiene	8.97 U	J				146%/142%	140%	Low
1,3-Butadiene	1.77 U	J						Low
Hexane	2.53 U	J						Low
Benzyl Chloride	2.88 U	J			41%			Low

Sample: 360024-FF Y1293-18

			MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	2.33	J						58%
Chloromethane	1.15	J						58%
Vinyl Chloride	0.08 U	J						58%
Bromomethane	0.13 U	J						58%
Chloroethane	0.1 U	J						58%
Trichlorofluoromethane	2.52	J						58%
Isopropyl Alcohol	16.2	J						58%
Dichlorotetrafluoroethane	0.22 U	J						58%
1,1,2-Trichloroethene	1.07	J						58%
Bromoethene	0.11 U	J						58%
Propene	6.24	J						58%
Heptane	13.7	J						58%
1,1-Dichloroethene	0.12 U	J						58%
Ethyl Acetate	75.8 E	J						58%
Acetone	41	J						58%
Carbon Disulfide	0.34	J						58%
Methyl tert butyl Ether	1.73	J						58%
Methylene Chloride	2.16	J						58%
Allyl Chloride	0.08 U	J						58%
trans-1,2-Dichloroethene	0.13 U	J						58%
Vinyl Acetate	0.14 U	J					50%	58%
1,1-Dichloroethane	0.14 U	J						58%
Cyclohexane	8.55	J						58%
2-Butanone	0.14 U							OK
Carbon Tetrachloride	0.19 U							OK
cis-1,2-Dichloroethene	0.13 U	J						58%
Chloroform	0.68	J						58%
1,4-Dioxane	0.19 U							OK
1,1,1-Trichloroethane	0.12 U	J						58%
Tetrahydrofuran	1.41							OK
2,2,4-Trimethylpentane	0.14 U							OK
Benzene	6.8							OK
1,2-Dichlorobenzene	0.12 U							OK
Trichloroethene	0.12 U							OK
1,2-Dichloropropane	0.23 U							OK
Bromodichloromethane	0.27 U							OK
4-Methyl-2-Pentanone	0.11 U							OK
Toluene	34.4				138%/ok			OK
t-1,3-Dichloropropene	0.11 U							OK
cis-1,3-Dichloropropene	0.14 U							OK
1,1,2-Trichloroethene	0.29 U							OK
2-Hexanone	0.09 U	J					62%	OK
Dibromochloromethane	0.32 U							OK
1,2-Dibromoethane	0.26 U							OK
Tetrachloroethene	1.36							OK
Chlorobenzene	0.31 U	J						56%
Ethyl Benzene	4.81	J						56%
m/p-Xylene	14	J						56%
o-Xylene	5.29	J						56%
Styrene	0.19 U	J						56%
Bromoform	0.25 U							OK
1,1,2,2-Tetrachloroethane	0.45 U	J						56%
1,3,5-Trimethylbenzene	1.77	J						56%
1,2,4-Trimethylbenzene	5.6	J						56%
4-Ethyltoluene	1.77	J						56%
1,3-Dichlorobenzene	0.13 U	J			33%	152%/144%		56%
1,4-Dichlorobenzene	0.2 U	J				150%/144%		56%
1,2-Dichlorobenzene	0.25 U	J			34%	146%/136%		56%
1,2,4-Trichlorobenzene	0.35 U	J				200%/194%	186%	56%
Hexachloro-1,3-Butadiene	0.45 U	J				146%/142%	140%	56%
1,3-Butadiene	0.09 U	J						58%
Hexane	16.5	J						58%
Benzyl Chloride	0.14 U	J			41%			56%

Sample: 360024-FF DL Y1293-18 DL

			MB	IC	CC	MS/MSD	LCS/LCSD	IS
Dichlorodifluoromethane	3.56 U	J						Low
Chloromethane	1.47 U	J						Low
Vinyl Chloride	1.53 U	J						Low
Bromomethane	2.64 U	J						Low
Chloroethane	2.02 U	J						Low
Trichlorofluoromethane	3.14 U	J						Low
Isopropyl Alcohol	24.5 D	J						Low
Dichlorotetrafluoroethane	4.34 U	J						Low
1,1,2-Trichloroethene	3.82 U	J						Low
Bromoethene	2.28 U	J						Low
Propene	10.3 JD	J						Low
Heptane	18 D	J						Low
1,1-Dichloroethene	2.46 U	J						Low
Ethyl Acetate	91.4 D	J						Low
Acetone	48.9 D	J						Low
Carbon Disulfide	1.49 U	J						Low
Methyl tert butyl Ether	1.73 U	J						Low
Methylene Chloride	1.04 U	J						Low
Allyl Chloride	1.51 U	J						Low
trans-1,2-Dichloroethene	2.7 U	J						Low
Vinyl Acetate	2.81 U	J					50%	Low
1,1-Dichloroethane	2.75 U	J						Low
Cyclohexane	14.8 D	J						Low
2-Butanone	2.77 U	J						Low
Carbon Tetrachloride	3.78 U	J						Low
cis-1,2-Dichloroethene	2.7 U	J						Low
Chloroform	2.34 U	J						Low
1,4-Dioxane	3.96 U	J						Low
1,1,1-Trichloroethane	2.39 U	J						Low
Tetrahydrofuran	3.53 U	J						Low
2,2,4-Trimethylpentane	2.89 U	J						Low
Benzene	8.93 D	J						Low
1,2-Dichlorobenzene	2.43 U	J						Low
Trichloroethene	2.36 U	J						Low
1,2-Dichloropropane	4.53 U	J						Low
Bromodichloromethane	5.37 U	J						Low
4-Methyl-2-Pentanone	2.13 U	J						Low
Toluene	48.2 D	J				138%/ok		Low
t-1,3-Dichloropropene	2.27 U	J						Low
cis-1,3-Dichloropropene	2.81 U	J						Low
1,1,2-Trichloroethene	5.98 U	J						Low
2-Hexanone	1.8 U	J					62%	Low
Dibromochloromethane	6.47 U	J						Low
1,2-Dibromoethane	5.23 U	J						Low
Tetrachloroethene	5.3 U	J						Low
Chlorobenzene	6.01 U	J						Low
Ethyl Benzene	3.12 U	J						Low
m/p-Xylene	18.2 D	J						Low
o-Xylene	3.47 U	J						Low
Styrene	3.74 U	J						Low
Bromoform	4.97 U	J						Low
1,1,2,2-Tetrachloroethane	8.93 U	J						Low
1,3,5-Trimethylbenzene	2.36 U	J						Low
1,2,4-Trimethylbenzene	3.53 U	J						Low
4-Ethyltoluene	1.47 U	J						Low
1,3-Dichlorobenzene	2.65 U	J			33%	152%/144%		Low
1,4-Dichlorobenzene	4.09 U	J				150%/144%		Low
1,2-Dichlorobenzene	5.05 U	J			34%	146%/136%		Low
1,2,4-Trichlorobenzene	6.96 U	J				200%/194%	186%	Low
Hexachloro-1,3-Butadiene	8.97 U	J				146%/142%	140%	Low
1,3-Butadiene	1.77 U	J						Low
Hexane	22.5 D	J						Low
Benzyl Chloride	2.88 U	J			41%			Low

Attachment E
Laboratory Report
Provided on CD