



Robert Corcoran, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 11th Floor
625 Broadway
Albany, New York 12233-7015

ARCADIS
Two Huntington Quadrangle
Suite 1S10
Melville
New York 11747
Tel 631.249.7600
Fax 631.249.7610
www.arcadis-us.com

ENVIRONMENT

Subject:
Supplemental Remedial Investigation Work Plan
Target Rock Site
1966E Broadhollow Road
East Farmingdale, New York
NYSDEC Site # 1-52-119

Date:
April 1, 2009

Our ref:
NY001490.0001.00002

Dear Mr. Corcoran:

This Supplemental Remedial Investigation (RI) Work Plan has been prepared by ARCADIS on behalf of Curtiss-Wright Flow Control Corporation, Target Rock Division (Target Rock), and is being submitted pursuant to Section II of the Order On Consent (Order) Index # W1-1031-04-10 that was executed by the New York State Department of Environmental Conservation (NYSDEC) and Target Rock, effective August 10, 2008. The Order requires that a Remedial Investigation/Feasibility Study (RI/FS) be conducted for the Target Rock Site (referred to in this Supplemental RI Work Plan as the Site).

A revised RI/FS Work Plan was submitted to the NYSDEC on February 12, 2009 and approved by the NYSDEC in a letter dated February 26, 2009. Section 5.1 of the RI/FS Work Plan indicates that a Supplemental RI Work Plan, in the form of a focused letter detailing proposed additional investigative activities and rationale, would be submitted to the NYSDEC if the RI data indicated further investigative activities were necessary to meet the RI goals. The RI/FS Work Plan also indicated that prior to the data validation process, unvalidated data would be provided to the NYSDEC to allow for a timely review and determination as to whether additional investigative activities are required.

Imagine the result

Sub-Slab Soil Vapor Sampling

Sub-slab soil vapor samples were collected from temporary points SS-1 through SS-8 on March 9 and 16, 2009 in accordance with Section 6.2.1.3 of the RI/FS Work Plan and the methods and procedures described in the Field Sampling Plan (Appendix A of the RI/FS Work Plan). Section 5.1 of the RI/FS Work Plan indicated that, if warranted, based on the on-site sub-slab soil vapor sample quality data (i.e., concentration levels), on-site indoor air quality sampling would be conducted. Target Rock has reviewed and evaluated the unvalidated sub-slab soil vapor data and has determined that on-site indoor air quality sampling is warranted. The unvalidated sub-slab soil vapor data are provided in Attachment A of this Supplemental RI Work Plan.

Proposed Indoor Air Quality Sampling

Based on the presence of volatile organic compounds (VOCs) in sub-slab soil vapor, primarily tetrachloroethene (PCE), trichloroethene (TCE), and 1,1,1-trichloroethane (1,1,1-TCA), indoor air quality sampling is proposed to assess the potential presence of VOCs in indoor air at the Site. The proposed indoor air quality portion of the RI consists of the collection of nine (9) indoor air quality samples (IA-1 through IA-9). It is proposed that seven (7) samples (IA-1 through IA-6 and IA-9) will be collected from inside the west building and that two (2) samples (IA-7 and IA-8) will be collected from inside the east building. Eight (8) of the indoor air quality samples will be collected from the locations where the sub-slab soil vapor samples were collected and one (1) of the indoor air quality samples (IA-9) will be collected from the office space in the west building. One round of indoor air quality sampling will be conducted.

Prior to collecting the indoor air quality samples, a building survey and chemical inventory will be conducted to assess potential indoor air sources that may contain the VOCs that were detected in the sub-slab soil vapor samples. The New York State Department of Health (NYSDOH) Indoor Air Quality Questionnaire and Building Inventory Field Form will be completed for each building.

The indoor air quality samples will be submitted to the laboratory for the analysis of the EPA Method TO-15 Volatile Organic Compound List (modified Air Toxics Ltd. TO-15 Low-Level compound list) using the methods specified in Table B-2 of the Quality Assurance Project Plan (QAPP). Analytes are provided in Table B-4 of the QAPP. The indoor air quality sample analyte list will be consistent with the sub-slab

soil vapor analyte list. The quality assurance/quality control (QA/QC) protocols described in the QAPP related to soil vapor field sampling and laboratory analysis will be followed during the indoor air sampling activities.

Indoor Air Quality Sampling Methodology

This section describes the methods to collect indoor air quality samples using 6-liter SUMMA® canisters and 8-hour flow controllers. The general sequence of indoor air quality sample collection and record keeping is as follows:

- A laboratory pre-calibrated 8-hour flow controller (i.e., calibrated to collect the indoor air quality sample at a rate of approximately 11.5 milliliters per minute [mL/min]) with an in-line particulate filter will be attached to the SUMMA® canister. A duplicate indoor air quality sample will be collected at one of the locations using a stainless steel “T” fitting and a second SUMMA® canister.
- The SUMMA® canister will be placed at the sampling location. The SUMMA® canister will be situated on a stable platform (e.g., box or crate) so that the sampling zone is approximately 3 feet above the floor (i.e., representative of the breathing zone for a seated individual).
- The SUMMA® canister valve will be opened, the sample start time and initial vacuum will be recorded, and the indoor air quality sample will be collected.
- The SUMMA® canister vacuum and sample time duration (8 hours) will be monitored during sampling and the SUMMA® canister valve will be closed when the vacuum is between 5 and 10 inches of mercury (Hg). The initial, intermediate (i.e., at 4 hours), and final vacuum of the SUMMA® canister will be recorded.
- The sample end time and final vacuum will be recorded. Weather-related data such as barometric pressure and relative humidity will also be recorded using weather information that is obtained from the local airport or other suitable information source (e.g., weatherunderground.com).
- Indoor air quality samples will be collected for the analysis of the EPA Method TO-15 Volatile Organic Compound List (modified Air Toxics Ltd. TO-15 Low-Level compound list).

- The sample collection, labeling, and handling procedures described in Section 7.3 of the FSP will be followed.

Project Schedule

<i>Work Activity</i>	<i>Duration</i>
Supplemental RI Work Plan Approval	--
Complete NYSDOH Indoor Air Quality Questionnaire and Building Inventory Field Form	Within 1 week following NYSDEC Approval
Implement On-Site Indoor Air Quality Sampling	Within 1 week following completion of NYSDOH Form
Laboratory Analysis of Samples	2 weeks

Please contact David Rogers of Curtiss-Wright Corporation at (973) 541-3758 if you have any questions.

Sincerely,

ARCADIS



Christopher D. Keen
Task Manager/Senior Scientist



Michael F. Wolfert
Project Manager/Hydrogeologist

ATTACHMENT A

Sub-Slab Soil Vapor Laboratory Analytical Results

Target Rock Subslab Vapor Results - March 9 & 16, 2009

Compiled from report.hw152119.2009-04-01.SupplementalRIWorkPlan_SubslabVaporResults.pdf

<u>Compound</u>	Sample ID							
	<u>SS-1</u>	<u>SS-2</u>	<u>SS-3</u>	<u>SS-4</u>	<u>SS-5</u>	<u>SS-6</u>	<u>SS-7</u>	<u>SS-8</u>
Tetrachloroethene	51,000	19,000	9,200	8,800	870	120	140	150
Trichloroethene	32,000	340	1,000	580	31	ND	ND	6
1,1,1-Trichloroethane	50,000	910	1,900	3,400	25	10	180	4
Freon 113	ND	3,300	2,300	1,200	1,100	89	ND	ND
Acetone	1,400	820	140	290	ND	870E	420	1200E

Note: concentrations in ug/m3



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-7

Lab ID#: 0903271-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031718	Date of Collection:	3/9/09 11:17:00 AM
Dil. Factor:	5.60	Date of Analysis:	3/18/09 01:01 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.56	0.76	2.8	3.8
Chloromethane	0.56	Not Detected	1.2	Not Detected
Vinyl Chloride	0.56	Not Detected	1.4	Not Detected
Bromomethane	0.56	Not Detected	2.2	Not Detected
Chloroethane	0.56	Not Detected	1.5	Not Detected
Freon 11	0.56	1.1	3.1	6.0
Freon 113	0.56	Not Detected	4.3	Not Detected
1,1-Dichloroethene	0.56	Not Detected	2.2	Not Detected
Acetone	2.8	180	6.6	420
Carbon Disulfide	2.8	4.8	8.7	15
Methylene Chloride	1.1	Not Detected	3.9	Not Detected
Methyl tert-butyl ether	0.56	Not Detected	2.0	Not Detected
trans-1,2-Dichloroethene	0.56	Not Detected	2.2	Not Detected
1,1-Dichloroethane	0.56	Not Detected	2.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.56	4.1	1.6	12
cis-1,2-Dichloroethene	0.56	Not Detected	2.2	Not Detected
Chloroform	0.56	Not Detected	2.7	Not Detected
1,1,1-Trichloroethane	0.56	33	3.0	180
Cyclohexane	0.56	Not Detected	1.9	Not Detected
Carbon Tetrachloride	0.56	Not Detected	3.5	Not Detected
Benzene	0.56	1.1	1.8	3.6
1,2-Dichloroethane	0.56	Not Detected	2.3	Not Detected
Trichloroethene	0.56	Not Detected	3.0	Not Detected
1,2-Dichloropropane	0.56	Not Detected	2.6	Not Detected
Bromodichloromethane	0.56	Not Detected	3.8	Not Detected
cis-1,3-Dichloropropene	0.56	Not Detected	2.5	Not Detected
4-Methyl-2-pentanone	0.56	Not Detected	2.3	Not Detected
Toluene	0.56	3.4	2.1	13
trans-1,3-Dichloropropene	0.56	Not Detected	2.5	Not Detected
1,1,2-Trichloroethane	0.56	Not Detected	3.0	Not Detected
Tetrachloroethene	0.56	20	3.8	140
2-Hexanone	2.8	Not Detected	11	Not Detected
Dibromochloromethane	0.56	0.64	4.8	5.5
1,2-Dibromoethane (EDB)	0.56	Not Detected	4.3	Not Detected
Chlorobenzene	0.56	Not Detected	2.6	Not Detected
Ethyl Benzene	0.56	7.4	2.4	32
m,p-Xylene	0.56	33	2.4	140
o-Xylene	0.56	11	2.4	46
Styrene	0.56	Not Detected	2.4	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-7

Lab ID#: 0903271-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031718	Date of Collection: 3/9/09 11:17:00 AM
Dil. Factor:	5.60	Date of Analysis: 3/18/09 01:01 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Bromoform	0.56	0.71	5.8	7.4
Cumene	0.56	Not Detected	2.8	Not Detected
1,1,2,2-Tetrachloroethane	0.56	Not Detected	3.8	Not Detected
1,3-Dichlorobenzene	0.56	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.56	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.56	Not Detected	3.4	Not Detected
1,2,4-Trichlorobenzene	2.8	Not Detected	21	Not Detected
Methyl Acetate	2.8	Not Detected	8.5	Not Detected
Methylcyclohexane	2.8	Not Detected	11	Not Detected
1,2-Dibromo-3-chloropropane	2.8	Not Detected	27	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	101	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-7 Lab Duplicate

Lab ID#: 0903271-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031721	Date of Collection:	3/9/09 11:17:00 AM
Dil. Factor:	5.60	Date of Analysis:	3/18/09 02:54 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.56	0.80	2.8	3.9
Chloromethane	0.56	Not Detected	1.2	Not Detected
Vinyl Chloride	0.56	Not Detected	1.4	Not Detected
Bromomethane	0.56	Not Detected	2.2	Not Detected
Chloroethane	0.56	Not Detected	1.5	Not Detected
Freon 11	0.56	1.1	3.1	6.1
Freon 113	0.56	Not Detected	4.3	Not Detected
1,1-Dichloroethene	0.56	Not Detected	2.2	Not Detected
Acetone	2.8	140	6.6	340
Carbon Disulfide	2.8	4.5	8.7	14
Methylene Chloride	1.1	Not Detected	3.9	Not Detected
Methyl tert-butyl ether	0.56	Not Detected	2.0	Not Detected
trans-1,2-Dichloroethene	0.56	Not Detected	2.2	Not Detected
1,1-Dichloroethane	0.56	Not Detected	2.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.56	4.7	1.6	14
cis-1,2-Dichloroethene	0.56	Not Detected	2.2	Not Detected
Chloroform	0.56	Not Detected	2.7	Not Detected
1,1,1-Trichloroethane	0.56	32	3.0	170
Cyclohexane	0.56	Not Detected	1.9	Not Detected
Carbon Tetrachloride	0.56	Not Detected	3.5	Not Detected
Benzene	0.56	1.0	1.8	3.3
1,2-Dichloroethane	0.56	Not Detected	2.3	Not Detected
Trichloroethene	0.56	Not Detected	3.0	Not Detected
1,2-Dichloropropane	0.56	Not Detected	2.6	Not Detected
Bromodichloromethane	0.56	Not Detected	3.8	Not Detected
cis-1,3-Dichloropropene	0.56	Not Detected	2.5	Not Detected
4-Methyl-2-pentanone	0.56	Not Detected	2.3	Not Detected
Toluene	0.56	3.4	2.1	13
trans-1,3-Dichloropropene	0.56	Not Detected	2.5	Not Detected
1,1,2-Trichloroethane	0.56	Not Detected	3.0	Not Detected
Tetrachloroethene	0.56	21	3.8	140
2-Hexanone	2.8	Not Detected	11	Not Detected
Dibromochloromethane	0.56	0.69	4.8	5.9
1,2-Dibromoethane (EDB)	0.56	Not Detected	4.3	Not Detected
Chlorobenzene	0.56	Not Detected	2.6	Not Detected
Ethyl Benzene	0.56	7.7	2.4	34
m,p-Xylene	0.56	34	2.4	150
o-Xylene	0.56	11	2.4	48
Styrene	0.56	Not Detected	2.4	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-7 Lab Duplicate

Lab ID#: 0903271-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031721	Date of Collection: 3/9/09 11:17:00 AM
Dil. Factor:	5.60	Date of Analysis: 3/18/09 02:54 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Bromoform	0.56	0.65	5.8	6.7
Cumene	0.56	Not Detected	2.8	Not Detected
1,1,2,2-Tetrachloroethane	0.56	Not Detected	3.8	Not Detected
1,3-Dichlorobenzene	0.56	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.56	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.56	Not Detected	3.4	Not Detected
1,2,4-Trichlorobenzene	2.8	Not Detected	21	Not Detected
Methyl Acetate	2.8	Not Detected	8.5	Not Detected
Methylcyclohexane	2.8	Not Detected	11	Not Detected
1,2-Dibromo-3-chloropropane	2.8	Not Detected	27	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	100	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-8

Lab ID#: 0903271-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031719	Date of Collection: 3/9/09 1:51:00 PM		
Dil. Factor:	5.27	Date of Analysis: 3/18/09 01:46 AM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.53	0.65	2.6	3.2
Chloromethane	0.53	Not Detected	1.1	Not Detected
Vinyl Chloride	0.53	Not Detected	1.3	Not Detected
Bromomethane	0.53	Not Detected	2.0	Not Detected
Chloroethane	0.53	Not Detected	1.4	Not Detected
Freon 11	0.53	0.59	3.0	3.3
Freon 113	0.53	Not Detected	4.0	Not Detected
1,1-Dichloroethene	0.53	Not Detected	2.1	Not Detected
Acetone	2.6	510 E	6.2	1200 E
Carbon Disulfide	2.6	Not Detected	8.2	Not Detected
Methylene Chloride	1.0	Not Detected	3.7	Not Detected
Methyl tert-butyl ether	0.53	Not Detected	1.9	Not Detected
trans-1,2-Dichloroethene	0.53	Not Detected	2.1	Not Detected
1,1-Dichloroethane	0.53	Not Detected	2.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.53	2.7	1.6	8.0
cis-1,2-Dichloroethene	0.53	Not Detected	2.1	Not Detected
Chloroform	0.53	Not Detected	2.6	Not Detected
1,1,1-Trichloroethane	0.53	0.76	2.9	4.1
Cyclohexane	0.53	Not Detected	1.8	Not Detected
Carbon Tetrachloride	0.53	Not Detected	3.3	Not Detected
Benzene	0.53	0.62	1.7	2.0
1,2-Dichloroethane	0.53	Not Detected	2.1	Not Detected
Trichloroethene	0.53	1.0	2.8	5.5
1,2-Dichloropropane	0.53	Not Detected	2.4	Not Detected
Bromodichloromethane	0.53	Not Detected	3.5	Not Detected
cis-1,3-Dichloropropene	0.53	Not Detected	2.4	Not Detected
4-Methyl-2-pentanone	0.53	Not Detected	2.2	Not Detected
Toluene	0.53	3.2	2.0	12
trans-1,3-Dichloropropene	0.53	Not Detected	2.4	Not Detected
1,1,2-Trichloroethane	0.53	Not Detected	2.9	Not Detected
Tetrachloroethene	0.53	22	3.6	150
2-Hexanone	2.6	Not Detected	11	Not Detected
Dibromochloromethane	0.53	Not Detected	4.5	Not Detected
1,2-Dibromoethane (EDB)	0.53	Not Detected	4.0	Not Detected
Chlorobenzene	0.53	Not Detected	2.4	Not Detected
Ethyl Benzene	0.53	0.94	2.3	4.1
m,p-Xylene	0.53	2.6	2.3	11
o-Xylene	0.53	1.0	2.3	4.4
Styrene	0.53	Not Detected	2.2	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-8

Lab ID#: 0903271-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031719	Date of Collection: 3/9/09 1:51:00 PM
Dil. Factor:	5.27	Date of Analysis: 3/18/09 01:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Bromoform	0.53	Not Detected	5.4	Not Detected
Cumene	0.53	Not Detected	2.6	Not Detected
1,1,2,2-Tetrachloroethane	0.53	Not Detected	3.6	Not Detected
1,3-Dichlorobenzene	0.53	Not Detected	3.2	Not Detected
1,4-Dichlorobenzene	0.53	Not Detected	3.2	Not Detected
1,2-Dichlorobenzene	0.53	Not Detected	3.2	Not Detected
1,2,4-Trichlorobenzene	2.6	Not Detected	20	Not Detected
Methyl Acetate	2.6	Not Detected	8.0	Not Detected
Methylcyclohexane	2.6	Not Detected	10	Not Detected
1,2-Dibromo-3-chloropropane	2.6	Not Detected	25	Not Detected

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-6

Lab ID#: 0903271-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031720	Date of Collection: 3/9/09 4:25:00 PM		
Dil. Factor:	5.17	Date of Analysis: 3/18/09 02:17 AM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.52	0.62	2.6	3.0
Chloromethane	0.52	Not Detected	1.1	Not Detected
Vinyl Chloride	0.52	Not Detected	1.3	Not Detected
Bromomethane	0.52	Not Detected	2.0	Not Detected
Chloroethane	0.52	Not Detected	1.4	Not Detected
Freon 11	0.52	0.71	2.9	4.0
Freon 113	0.52	12	4.0	89
1,1-Dichloroethene	0.52	Not Detected	2.0	Not Detected
Acetone	2.6	370 E	6.1	870 E
Carbon Disulfide	2.6	3.6	8.0	11
Methylene Chloride	1.0	Not Detected	3.6	Not Detected
Methyl tert-butyl ether	0.52	Not Detected	1.9	Not Detected
trans-1,2-Dichloroethene	0.52	Not Detected	2.0	Not Detected
1,1-Dichloroethane	0.52	Not Detected	2.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.52	5.4	1.5	16
cis-1,2-Dichloroethene	0.52	Not Detected	2.0	Not Detected
Chloroform	0.52	Not Detected	2.5	Not Detected
1,1,1-Trichloroethane	0.52	1.9	2.8	10
Cyclohexane	0.52	Not Detected	1.8	Not Detected
Carbon Tetrachloride	0.52	Not Detected	3.2	Not Detected
Benzene	0.52	1.0	1.6	3.2
1,2-Dichloroethane	0.52	Not Detected	2.1	Not Detected
Trichloroethene	0.52	Not Detected	2.8	Not Detected
1,2-Dichloropropane	0.52	Not Detected	2.4	Not Detected
Bromodichloromethane	0.52	Not Detected	3.5	Not Detected
cis-1,3-Dichloropropene	0.52	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.52	Not Detected	2.1	Not Detected
Toluene	0.52	1.4	1.9	5.2
trans-1,3-Dichloropropene	0.52	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.52	Not Detected	2.8	Not Detected
Tetrachloroethene	0.52	18	3.5	120
2-Hexanone	2.6	Not Detected	10	Not Detected
Dibromochloromethane	0.52	Not Detected	4.4	Not Detected
1,2-Dibromoethane (EDB)	0.52	Not Detected	4.0	Not Detected
Chlorobenzene	0.52	Not Detected	2.4	Not Detected
Ethyl Benzene	0.52	0.51 J	2.2	2.2 J
m,p-Xylene	0.52	1.6	2.2	6.8
o-Xylene	0.52	0.57	2.2	2.5
Styrene	0.52	Not Detected	2.2	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-6

Lab ID#: 0903271-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031720	Date of Collection: 3/9/09 4:25:00 PM
Dil. Factor:	5.17	Date of Analysis: 3/18/09 02:17 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Bromoform	0.52	Not Detected	5.3	Not Detected
Cumene	0.52	2.1	2.5	10
1,1,2,2-Tetrachloroethane	0.52	Not Detected	3.5	Not Detected
1,3-Dichlorobenzene	0.52	Not Detected	3.1	Not Detected
1,4-Dichlorobenzene	0.52	Not Detected	3.1	Not Detected
1,2-Dichlorobenzene	0.52	Not Detected	3.1	Not Detected
1,2,4-Trichlorobenzene	2.6	Not Detected	19	Not Detected
Methyl Acetate	2.6	Not Detected	7.8	Not Detected
Methylcyclohexane	2.6	Not Detected	10	Not Detected
1,2-Dibromo-3-chloropropane	2.6	Not Detected	25	Not Detected

E = Exceeds instrument calibration range.

J = Estimated value.

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903271-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031712c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/17/09 08:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	Not Detected	0.29	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Cyclohexane	0.10	Not Detected	0.34	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903271-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031712c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/17/09 08:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Methyl Acetate	0.50	Not Detected	1.5	Not Detected
Methylcyclohexane	0.50	Not Detected	2.0	Not Detected
1,2-Dibromo-3-chloropropane	0.50	Not Detected	4.8	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903271-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031702	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/17/09 12:18 PM

Compound	%Recovery
Freon 12	114
Chloromethane	107
Vinyl Chloride	105
Bromomethane	100
Chloroethane	93
Freon 11	110
Freon 113	89
1,1-Dichloroethene	93
Acetone	110
Carbon Disulfide	97
Methylene Chloride	95
Methyl tert-butyl ether	93
trans-1,2-Dichloroethene	94
1,1-Dichloroethane	98
2-Butanone (Methyl Ethyl Ketone)	86
cis-1,2-Dichloroethene	96
Chloroform	97
1,1,1-Trichloroethane	100
Cyclohexane	91
Carbon Tetrachloride	112
Benzene	97
1,2-Dichloroethane	111
Trichloroethene	97
1,2-Dichloropropane	97
Bromodichloromethane	109
cis-1,3-Dichloropropene	102
4-Methyl-2-pentanone	101
Toluene	96
trans-1,3-Dichloropropene	85
1,1,2-Trichloroethane	96
Tetrachloroethene	96
2-Hexanone	93
Dibromochloromethane	105
1,2-Dibromoethane (EDB)	98
Chlorobenzene	97
Ethyl Benzene	98
m,p-Xylene	97
o-Xylene	99
Styrene	96



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903271-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031702	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/17/09 12:18 PM

Compound	%Recovery
Bromoform	112
Cumene	106
1,1,2,2-Tetrachloroethane	100
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	99
1,2-Dichlorobenzene	99
1,2,4-Trichlorobenzene	94
Methyl Acetate	106
Methylcyclohexane	91
1,2-Dibromo-3-chloropropane	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903271-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031703	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/17/09 01:00 PM

Compound	%Recovery
Freon 12	105
Chloromethane	101
Vinyl Chloride	99
Bromomethane	94
Chloroethane	90
Freon 11	105
Freon 113	98
1,1-Dichloroethene	98
Acetone	84
Carbon Disulfide	94
Methylene Chloride	99
Methyl tert-butyl ether	90
trans-1,2-Dichloroethene	88
1,1-Dichloroethane	97
2-Butanone (Methyl Ethyl Ketone)	104
cis-1,2-Dichloroethene	93
Chloroform	96
1,1,1-Trichloroethane	97
Cyclohexane	88
Carbon Tetrachloride	107
Benzene	94
1,2-Dichloroethane	108
Trichloroethene	96
1,2-Dichloropropane	91
Bromodichloromethane	107
cis-1,3-Dichloropropene	98
4-Methyl-2-pentanone	96
Toluene	98
trans-1,3-Dichloropropene	86
1,1,2-Trichloroethane	96
Tetrachloroethene	99
2-Hexanone	96
Dibromochloromethane	106
1,2-Dibromoethane (EDB)	95
Chlorobenzene	97
Ethyl Benzene	97
m,p-Xylene	98
o-Xylene	101
Styrene	98



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903271-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	z031703	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/17/09 01:00 PM

Compound	%Recovery
Bromoform	107
Cumene	109
1,1,2,2-Tetrachloroethane	98
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	98
1,2-Dichlorobenzene	99
1,2,4-Trichlorobenzene	98
Methyl Acetate	Not Spiked
Methylcyclohexane	90
1,2-Dibromo-3-chloropropane	Not Spiked

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-4

Lab ID#: 0903438-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032409	Date of Collection:	3/16/09 10:00:00 AM
Dil. Factor:	12.6	Date of Analysis:	3/24/09 01:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	6.3	Not Detected	31	Not Detected
Chloromethane	25	Not Detected	52	Not Detected
Vinyl Chloride	6.3	Not Detected	16	Not Detected
Bromomethane	6.3	Not Detected	24	Not Detected
Chloroethane	6.3	Not Detected	17	Not Detected
Freon 11	6.3	Not Detected	35	Not Detected
Freon 113	6.3	160	48	1200
1,1-Dichloroethene	6.3	Not Detected	25	Not Detected
Acetone	25	120	60	290
Carbon Disulfide	6.3	Not Detected	20	Not Detected
Methylene Chloride	6.3	Not Detected	22	Not Detected
Methyl tert-butyl ether	6.3	Not Detected	23	Not Detected
trans-1,2-Dichloroethene	6.3	Not Detected	25	Not Detected
1,1-Dichloroethane	6.3	19	26	78
2-Butanone (Methyl Ethyl Ketone)	6.3	Not Detected	18	Not Detected
cis-1,2-Dichloroethene	6.3	Not Detected	25	Not Detected
Chloroform	6.3	Not Detected	31	Not Detected
1,1,1-Trichloroethane	6.3	620	34	3400
Cyclohexane	6.3	Not Detected	22	Not Detected
Carbon Tetrachloride	6.3	Not Detected	40	Not Detected
Benzene	6.3	Not Detected	20	Not Detected
1,2-Dichloroethane	6.3	Not Detected	25	Not Detected
Trichloroethene	6.3	110	34	580
1,2-Dichloropropane	6.3	Not Detected	29	Not Detected
Bromodichloromethane	6.3	Not Detected	42	Not Detected
cis-1,3-Dichloropropene	6.3	Not Detected	28	Not Detected
4-Methyl-2-pentanone	6.3	Not Detected	26	Not Detected
Toluene	6.3	Not Detected	24	Not Detected
trans-1,3-Dichloropropene	6.3	Not Detected	28	Not Detected
1,1,2-Trichloroethane	6.3	Not Detected	34	Not Detected
Tetrachloroethene	6.3	1300	43	8800
2-Hexanone	25	Not Detected	100	Not Detected
Dibromochloromethane	6.3	Not Detected	54	Not Detected
1,2-Dibromoethane (EDB)	6.3	Not Detected	48	Not Detected
Chlorobenzene	6.3	Not Detected	29	Not Detected
Ethyl Benzene	6.3	Not Detected	27	Not Detected
m,p-Xylene	6.3	Not Detected	27	Not Detected
o-Xylene	6.3	Not Detected	27	Not Detected
Styrene	6.3	Not Detected	27	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-4

Lab ID#: 0903438-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032409	Date of Collection: 3/16/09 10:00:00 AM
Dil. Factor:	12.6	Date of Analysis: 3/24/09 01:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Bromoform	6.3	Not Detected	65	Not Detected
Cumene	6.3	Not Detected	31	Not Detected
1,1,2,2-Tetrachloroethane	6.3	Not Detected	43	Not Detected
1,3-Dichlorobenzene	6.3	Not Detected	38	Not Detected
1,4-Dichlorobenzene	6.3	Not Detected	38	Not Detected
1,2-Dichlorobenzene	6.3	Not Detected	38	Not Detected
1,2,4-Trichlorobenzene	25	Not Detected	190	Not Detected
Methyl Acetate	63	Not Detected	190	Not Detected
Methylcyclohexane	25	Not Detected	100	Not Detected
1,2-Dibromo-3-chloropropane	25	Not Detected	240	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	93	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-5

Lab ID#: 0903438-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t032311	Date of Collection:	3/16/09 11:39:00 AM
Dil. Factor:	5.70	Date of Analysis:	3/23/09 09:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.57	0.58	2.8	2.9
Chloromethane	0.57	Not Detected	1.2	Not Detected
Vinyl Chloride	0.57	0.61	1.4	1.6
Bromomethane	0.57	Not Detected	2.2	Not Detected
Chloroethane	0.57	Not Detected	1.5	Not Detected
Freon 11	0.57	1.4	3.2	7.8
Freon 113	0.57	140	4.4	1100
1,1-Dichloroethene	0.57	Not Detected	2.3	Not Detected
Acetone	2.8	Not Detected	6.8	Not Detected
Carbon Disulfide	2.8	Not Detected	8.9	Not Detected
Methylene Chloride	1.1	Not Detected	4.0	Not Detected
Methyl tert-butyl ether	0.57	Not Detected	2.0	Not Detected
trans-1,2-Dichloroethene	0.57	Not Detected	2.2	Not Detected
1,1-Dichloroethane	0.57	Not Detected	2.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.57	5.0	1.7	15
cis-1,2-Dichloroethene	0.57	Not Detected	2.2	Not Detected
Chloroform	0.57	0.61	2.8	3.0
1,1,1-Trichloroethane	0.57	4.6	3.1	25
Cyclohexane	0.57	Not Detected	2.0	Not Detected
Carbon Tetrachloride	0.57	Not Detected	3.6	Not Detected
Benzene	0.57	0.75	1.8	2.4
1,2-Dichloroethane	0.57	Not Detected	2.3	Not Detected
Trichloroethene	0.57	5.7	3.1	31
1,2-Dichloropropane	0.57	Not Detected	2.6	Not Detected
Bromodichloromethane	0.57	Not Detected	3.8	Not Detected
cis-1,3-Dichloropropene	0.57	Not Detected	2.6	Not Detected
4-Methyl-2-pentanone	0.57	Not Detected	2.3	Not Detected
Toluene	0.57	Not Detected	2.1	Not Detected
trans-1,3-Dichloropropene	0.57	Not Detected	2.6	Not Detected
1,1,2-Trichloroethane	0.57	Not Detected	3.1	Not Detected
Tetrachloroethene	0.57	130	3.9	870
2-Hexanone	2.8	Not Detected	12	Not Detected
Dibromochloromethane	0.57	Not Detected	4.8	Not Detected
1,2-Dibromoethane (EDB)	0.57	Not Detected	4.4	Not Detected
Chlorobenzene	0.57	Not Detected	2.6	Not Detected
Ethyl Benzene	0.57	Not Detected	2.5	Not Detected
m,p-Xylene	0.57	Not Detected	2.5	Not Detected
o-Xylene	0.57	Not Detected	2.5	Not Detected
Styrene	0.57	Not Detected	2.4	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-5

Lab ID#: 0903438-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t032311	Date of Collection: 3/16/09 11:39:00 AM
Dil. Factor:	5.70	Date of Analysis: 3/23/09 09:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Bromoform	0.57	Not Detected	5.9	Not Detected
Cumene	0.57	Not Detected	2.8	Not Detected
1,1,2,2-Tetrachloroethane	0.57	Not Detected	3.9	Not Detected
1,3-Dichlorobenzene	0.57	Not Detected	3.4	Not Detected
1,4-Dichlorobenzene	0.57	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.57	Not Detected	3.4	Not Detected
1,2,4-Trichlorobenzene	2.8	Not Detected	21	Not Detected
Methyl Acetate	2.8	Not Detected	8.6	Not Detected
Methylcyclohexane	2.8	Not Detected	11	Not Detected
1,2-Dibromo-3-chloropropane	2.8	Not Detected	28	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	87	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-1

Lab ID#: 0903438-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032410	Date of Collection: 3/16/09 2:15:00 PM		
Dil. Factor:	63.2	Date of Analysis: 3/24/09 02:20 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	32	Not Detected	160	Not Detected
Chloromethane	130	Not Detected	260	Not Detected
Vinyl Chloride	32	Not Detected	81	Not Detected
Bromomethane	32	Not Detected	120	Not Detected
Chloroethane	32	Not Detected	83	Not Detected
Freon 11	32	Not Detected	180	Not Detected
Freon 113	32	Not Detected	240	Not Detected
1,1-Dichloroethene	32	37	120	140
Acetone	130	580	300	1400
Carbon Disulfide	32	Not Detected	98	Not Detected
Methylene Chloride	32	Not Detected	110	Not Detected
Methyl tert-butyl ether	32	Not Detected	110	Not Detected
trans-1,2-Dichloroethene	32	Not Detected	120	Not Detected
1,1-Dichloroethane	32	190	130	780
2-Butanone (Methyl Ethyl Ketone)	32	Not Detected	93	Not Detected
cis-1,2-Dichloroethene	32	160	120	620
Chloroform	32	Not Detected	150	Not Detected
1,1,1-Trichloroethane	32	9100	170	50000
Cyclohexane	32	Not Detected	110	Not Detected
Carbon Tetrachloride	32	Not Detected	200	Not Detected
Benzene	32	Not Detected	100	Not Detected
1,2-Dichloroethane	32	Not Detected	130	Not Detected
Trichloroethene	32	5900	170	32000
1,2-Dichloropropane	32	Not Detected	150	Not Detected
Bromodichloromethane	32	Not Detected	210	Not Detected
cis-1,3-Dichloropropene	32	Not Detected	140	Not Detected
4-Methyl-2-pentanone	32	Not Detected	130	Not Detected
Toluene	32	Not Detected	120	Not Detected
trans-1,3-Dichloropropene	32	Not Detected	140	Not Detected
1,1,2-Trichloroethane	32	Not Detected	170	Not Detected
Tetrachloroethene	32	7500	210	51000
2-Hexanone	130	Not Detected	520	Not Detected
Dibromochloromethane	32	Not Detected	270	Not Detected
1,2-Dibromoethane (EDB)	32	Not Detected	240	Not Detected
Chlorobenzene	32	Not Detected	140	Not Detected
Ethyl Benzene	32	Not Detected	140	Not Detected
m,p-Xylene	32	Not Detected	140	Not Detected
o-Xylene	32	Not Detected	140	Not Detected
Styrene	32	Not Detected	130	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-1

Lab ID#: 0903438-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032410	Date of Collection: 3/16/09 2:15:00 PM
Dil. Factor:	63.2	Date of Analysis: 3/24/09 02:20 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Bromoform	32	Not Detected	330	Not Detected
Cumene	32	Not Detected	160	Not Detected
1,1,2,2-Tetrachloroethane	32	Not Detected	220	Not Detected
1,3-Dichlorobenzene	32	Not Detected	190	Not Detected
1,4-Dichlorobenzene	32	Not Detected	190	Not Detected
1,2-Dichlorobenzene	32	Not Detected	190	Not Detected
1,2,4-Trichlorobenzene	130	Not Detected	940	Not Detected
Methyl Acetate	320	Not Detected	960	Not Detected
Methylcyclohexane	130	Not Detected	510	Not Detected
1,2-Dibromo-3-chloropropane	130	Not Detected	1200	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	91	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-3

Lab ID#: 0903438-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032509	Date of Collection: 3/16/09 3:25:00 PM
Dil. Factor:	11.2	Date of Analysis: 3/25/09 06:17 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	5.6	Not Detected	28	Not Detected
Chloromethane	22	Not Detected	46	Not Detected
Vinyl Chloride	5.6	Not Detected	14	Not Detected
Bromomethane	5.6	Not Detected	22	Not Detected
Chloroethane	5.6	Not Detected	15	Not Detected
Freon 11	5.6	Not Detected	31	Not Detected
Freon 113	5.6	300	43	2300
1,1-Dichloroethene	5.6	Not Detected	22	Not Detected
Acetone	22	61	53	140
Carbon Disulfide	5.6	Not Detected	17	Not Detected
Methylene Chloride	5.6	Not Detected	19	Not Detected
Methyl tert-butyl ether	5.6	Not Detected	20	Not Detected
trans-1,2-Dichloroethene	5.6	Not Detected	22	Not Detected
1,1-Dichloroethane	5.6	15	23	61
2-Butanone (Methyl Ethyl Ketone)	5.6	Not Detected	16	Not Detected
cis-1,2-Dichloroethene	5.6	Not Detected	22	Not Detected
Chloroform	5.6	Not Detected	27	Not Detected
1,1,1-Trichloroethane	5.6	340	30	1900
Cyclohexane	5.6	Not Detected	19	Not Detected
Carbon Tetrachloride	5.6	Not Detected	35	Not Detected
Benzene	5.6	Not Detected	18	Not Detected
1,2-Dichloroethane	5.6	Not Detected	23	Not Detected
Trichloroethene	5.6	200	30	1000
1,2-Dichloropropane	5.6	Not Detected	26	Not Detected
Bromodichloromethane	5.6	Not Detected	38	Not Detected
cis-1,3-Dichloropropene	5.6	Not Detected	25	Not Detected
4-Methyl-2-pentanone	5.6	Not Detected	23	Not Detected
Toluene	5.6	Not Detected	21	Not Detected
trans-1,3-Dichloropropene	5.6	Not Detected	25	Not Detected
1,1,2-Trichloroethane	5.6	Not Detected	30	Not Detected
Tetrachloroethene	5.6	1400	38	9200
2-Hexanone	22	Not Detected	92	Not Detected
Dibromochloromethane	5.6	Not Detected	48	Not Detected
1,2-Dibromoethane (EDB)	5.6	Not Detected	43	Not Detected
Chlorobenzene	5.6	Not Detected	26	Not Detected
Ethyl Benzene	5.6	Not Detected	24	Not Detected
m,p-Xylene	5.6	Not Detected	24	Not Detected
o-Xylene	5.6	Not Detected	24	Not Detected
Styrene	5.6	Not Detected	24	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-3

Lab ID#: 0903438-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032509	Date of Collection: 3/16/09 3:25:00 PM
Dil. Factor:	11.2	Date of Analysis: 3/25/09 06:17 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Bromoform	5.6	Not Detected	58	Not Detected
Cumene	5.6	Not Detected	28	Not Detected
1,1,2,2-Tetrachloroethane	5.6	Not Detected	38	Not Detected
1,3-Dichlorobenzene	5.6	Not Detected	34	Not Detected
1,4-Dichlorobenzene	5.6	Not Detected	34	Not Detected
1,2-Dichlorobenzene	5.6	Not Detected	34	Not Detected
1,2,4-Trichlorobenzene	22	Not Detected	170	Not Detected
Methyl Acetate	56	Not Detected	170	Not Detected
Methylcyclohexane	22	Not Detected	90	Not Detected
1,2-Dibromo-3-chloropropane	22	Not Detected	220	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-2

Lab ID#: 0903438-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032510	Date of Collection:	3/16/09 4:33:00 PM
Dil. Factor:	26.8	Date of Analysis:	3/25/09 08:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	13	Not Detected	66	Not Detected
Chloromethane	54	Not Detected	110	Not Detected
Vinyl Chloride	13	Not Detected	34	Not Detected
Bromomethane	13	Not Detected	52	Not Detected
Chloroethane	13	Not Detected	35	Not Detected
Freon 11	13	Not Detected	75	Not Detected
Freon 113	13	430	100	3300
1,1-Dichloroethene	13	Not Detected	53	Not Detected
Acetone	54	340	130	820
Carbon Disulfide	13	Not Detected	42	Not Detected
Methylene Chloride	13	Not Detected	46	Not Detected
Methyl tert-butyl ether	13	Not Detected	48	Not Detected
trans-1,2-Dichloroethene	13	Not Detected	53	Not Detected
1,1-Dichloroethane	13	33	54	130
2-Butanone (Methyl Ethyl Ketone)	13	Not Detected	40	Not Detected
cis-1,2-Dichloroethene	13	Not Detected	53	Not Detected
Chloroform	13	Not Detected	65	Not Detected
1,1,1-Trichloroethane	13	170	73	910
Cyclohexane	13	Not Detected	46	Not Detected
Carbon Tetrachloride	13	Not Detected	84	Not Detected
Benzene	13	Not Detected	43	Not Detected
1,2-Dichloroethane	13	Not Detected	54	Not Detected
Trichloroethene	13	64	72	340
1,2-Dichloropropane	13	Not Detected	62	Not Detected
Bromodichloromethane	13	Not Detected	90	Not Detected
cis-1,3-Dichloropropene	13	Not Detected	61	Not Detected
4-Methyl-2-pentanone	13	Not Detected	55	Not Detected
Toluene	13	Not Detected	50	Not Detected
trans-1,3-Dichloropropene	13	Not Detected	61	Not Detected
1,1,2-Trichloroethane	13	Not Detected	73	Not Detected
Tetrachloroethene	13	2800	91	19000
2-Hexanone	54	Not Detected	220	Not Detected
Dibromochloromethane	13	Not Detected	110	Not Detected
1,2-Dibromoethane (EDB)	13	Not Detected	100	Not Detected
Chlorobenzene	13	Not Detected	62	Not Detected
Ethyl Benzene	13	Not Detected	58	Not Detected
m,p-Xylene	13	Not Detected	58	Not Detected
o-Xylene	13	Not Detected	58	Not Detected
Styrene	13	Not Detected	57	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SS-2

Lab ID#: 0903438-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032510	Date of Collection: 3/16/09 4:33:00 PM
Dil. Factor:	26.8	Date of Analysis: 3/25/09 08:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Bromoform	13	Not Detected	140	Not Detected
Cumene	13	Not Detected	66	Not Detected
1,1,2,2-Tetrachloroethane	13	Not Detected	92	Not Detected
1,3-Dichlorobenzene	13	Not Detected	80	Not Detected
1,4-Dichlorobenzene	13	Not Detected	80	Not Detected
1,2-Dichlorobenzene	13	Not Detected	80	Not Detected
1,2,4-Trichlorobenzene	54	Not Detected	400	Not Detected
Methyl Acetate	130	Not Detected	410	Not Detected
Methylcyclohexane	54	Not Detected	220	Not Detected
1,2-Dibromo-3-chloropropane	54	Not Detected	520	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903438-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t032310	Date of Collection: NA		
Dil. Factor:	1.00	Date of Analysis: 3/23/09 05:32 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	Not Detected	0.29	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Cyclohexane	0.10	Not Detected	0.34	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903438-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t032310	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/23/09 05:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Methyl Acetate	0.50	Not Detected	1.5	Not Detected
Methylcyclohexane	0.50	Not Detected	2.0	Not Detected
1,2-Dibromo-3-chloropropane	0.50	Not Detected	4.8	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	89	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903438-06B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032408	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/24/09 12:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903438-06B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032408	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/24/09 12:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Methyl Acetate	5.0	Not Detected	15	Not Detected
Methylcyclohexane	2.0	Not Detected	8.0	Not Detected
1,2-Dibromo-3-chloropropane	2.0	Not Detected	19	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	95	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903438-06C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032508	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/25/09 05:32 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903438-06C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032508	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/25/09 05:32 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Methyl Acetate	5.0	Not Detected	15	Not Detected
Methylcyclohexane	2.0	Not Detected	8.0	Not Detected
1,2-Dibromo-3-chloropropane	2.0	Not Detected	19	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903438-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t032302	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/23/09 09:58 AM

Compound	%Recovery
Freon 12	98
Chloromethane	94
Vinyl Chloride	100
Bromomethane	105
Chloroethane	103
Freon 11	90
Freon 113	98
1,1-Dichloroethene	105
Acetone	100
Carbon Disulfide	100
Methylene Chloride	98
Methyl tert-butyl ether	103
trans-1,2-Dichloroethene	106
1,1-Dichloroethane	103
2-Butanone (Methyl Ethyl Ketone)	110
cis-1,2-Dichloroethene	107
Chloroform	103
1,1,1-Trichloroethane	101
Cyclohexane	103
Carbon Tetrachloride	106
Benzene	109
1,2-Dichloroethane	110
Trichloroethene	111
1,2-Dichloropropane	106
Bromodichloromethane	108
cis-1,3-Dichloropropene	112
4-Methyl-2-pentanone	105
Toluene	107
trans-1,3-Dichloropropene	122
1,1,2-Trichloroethane	116
Tetrachloroethene	114
2-Hexanone	119
Dibromochloromethane	118
1,2-Dibromoethane (EDB)	117
Chlorobenzene	115
Ethyl Benzene	117
m,p-Xylene	119
o-Xylene	121
Styrene	125



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903438-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t032302	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/23/09 09:58 AM

Compound	%Recovery
Bromoform	119
Cumene	122
1,1,2,2-Tetrachloroethane	119
1,3-Dichlorobenzene	118
1,4-Dichlorobenzene	117
1,2-Dichlorobenzene	120
1,2,4-Trichlorobenzene	113
Methyl Acetate	109
Methylcyclohexane	103
1,2-Dibromo-3-chloropropane	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	91	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903438-07B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/24/09 08:34 AM

Compound	%Recovery
Freon 12	99
Chloromethane	112
Vinyl Chloride	96
Bromomethane	98
Chloroethane	91
Freon 11	100
Freon 113	92
1,1-Dichloroethene	97
Acetone	98
Carbon Disulfide	89
Methylene Chloride	109
Methyl tert-butyl ether	91
trans-1,2-Dichloroethene	90
1,1-Dichloroethane	92
2-Butanone (Methyl Ethyl Ketone)	90
cis-1,2-Dichloroethene	96
Chloroform	98
1,1,1-Trichloroethane	96
Cyclohexane	88
Carbon Tetrachloride	100
Benzene	95
1,2-Dichloroethane	104
Trichloroethene	93
1,2-Dichloropropane	93
Bromodichloromethane	98
cis-1,3-Dichloropropene	94
4-Methyl-2-pentanone	91
Toluene	94
trans-1,3-Dichloropropene	95
1,1,2-Trichloroethane	94
Tetrachloroethene	96
2-Hexanone	94
Dibromochloromethane	99
1,2-Dibromoethane (EDB)	98
Chlorobenzene	94
Ethyl Benzene	95
m,p-Xylene	94
o-Xylene	92
Styrene	94



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903438-07B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/24/09 08:34 AM

Compound	%Recovery
Bromoform	105
Cumene	97
1,1,2,2-Tetrachloroethane	93
1,3-Dichlorobenzene	89
1,4-Dichlorobenzene	90
1,2-Dichlorobenzene	86
1,2,4-Trichlorobenzene	82
Methyl Acetate	104
Methylcyclohexane	89
1,2-Dibromo-3-chloropropane	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903438-07C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032504	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/25/09 02:24 AM

Compound	%Recovery
Freon 12	94
Chloromethane	108
Vinyl Chloride	95
Bromomethane	90
Chloroethane	84
Freon 11	94
Freon 113	86
1,1-Dichloroethene	90
Acetone	88
Carbon Disulfide	82
Methylene Chloride	103
Methyl tert-butyl ether	85
trans-1,2-Dichloroethene	85
1,1-Dichloroethane	87
2-Butanone (Methyl Ethyl Ketone)	81
cis-1,2-Dichloroethene	90
Chloroform	93
1,1,1-Trichloroethane	92
Cyclohexane	83
Carbon Tetrachloride	93
Benzene	89
1,2-Dichloroethane	99
Trichloroethene	87
1,2-Dichloropropane	86
Bromodichloromethane	92
cis-1,3-Dichloropropene	87
4-Methyl-2-pentanone	84
Toluene	87
trans-1,3-Dichloropropene	87
1,1,2-Trichloroethane	86
Tetrachloroethene	87
2-Hexanone	84
Dibromochloromethane	91
1,2-Dibromoethane (EDB)	89
Chlorobenzene	86
Ethyl Benzene	86
m,p-Xylene	85
o-Xylene	84
Styrene	85



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903438-07C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032504	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/25/09 02:24 AM

Compound	%Recovery
Bromoform	95
Cumene	89
1,1,2,2-Tetrachloroethane	87
1,3-Dichlorobenzene	83
1,4-Dichlorobenzene	83
1,2-Dichlorobenzene	79
1,2,4-Trichlorobenzene	77
Methyl Acetate	103
Methylcyclohexane	84
1,2-Dibromo-3-chloropropane	85

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903438-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t032303	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/23/09 10:42 AM

Compound	%Recovery
Freon 12	98
Chloromethane	94
Vinyl Chloride	99
Bromomethane	106
Chloroethane	104
Freon 11	89
Freon 113	106
1,1-Dichloroethene	115
Acetone	104
Carbon Disulfide	95
Methylene Chloride	100
Methyl tert-butyl ether	104
trans-1,2-Dichloroethene	104
1,1-Dichloroethane	106
2-Butanone (Methyl Ethyl Ketone)	109
cis-1,2-Dichloroethene	108
Chloroform	105
1,1,1-Trichloroethane	102
Cyclohexane	104
Carbon Tetrachloride	104
Benzene	106
1,2-Dichloroethane	109
Trichloroethene	102
1,2-Dichloropropane	102
Bromodichloromethane	105
cis-1,3-Dichloropropene	107
4-Methyl-2-pentanone	109
Toluene	108
trans-1,3-Dichloropropene	115
1,1,2-Trichloroethane	109
Tetrachloroethene	107
2-Hexanone	116
Dibromochloromethane	112
1,2-Dibromoethane (EDB)	107
Chlorobenzene	109
Ethyl Benzene	107
m,p-Xylene	111
o-Xylene	113
Styrene	118



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903438-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t032303	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/23/09 10:42 AM

Compound	%Recovery
Bromoform	115
Cumene	116
1,1,2,2-Tetrachloroethane	116
1,3-Dichlorobenzene	110
1,4-Dichlorobenzene	109
1,2-Dichlorobenzene	109
1,2,4-Trichlorobenzene	102
Methyl Acetate	Not Spiked
Methylcyclohexane	103
1,2-Dibromo-3-chloropropane	Not Spiked

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	90	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903438-08B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/24/09 09:07 AM

Compound	%Recovery
Freon 12	96
Chloromethane	109
Vinyl Chloride	93
Bromomethane	96
Chloroethane	88
Freon 11	98
Freon 113	102
1,1-Dichloroethene	106
Acetone	97
Carbon Disulfide	89
Methylene Chloride	117
Methyl tert-butyl ether	93
trans-1,2-Dichloroethene	92
1,1-Dichloroethane	97
2-Butanone (Methyl Ethyl Ketone)	92
cis-1,2-Dichloroethene	102
Chloroform	102
1,1,1-Trichloroethane	101
Cyclohexane	90
Carbon Tetrachloride	103
Benzene	98
1,2-Dichloroethane	109
Trichloroethene	98
1,2-Dichloropropane	95
Bromodichloromethane	101
cis-1,3-Dichloropropene	96
4-Methyl-2-pentanone	96
Toluene	101
trans-1,3-Dichloropropene	96
1,1,2-Trichloroethane	96
Tetrachloroethene	99
2-Hexanone	96
Dibromochloromethane	101
1,2-Dibromoethane (EDB)	96
Chlorobenzene	93
Ethyl Benzene	94
m,p-Xylene	93
o-Xylene	94
Styrene	96



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903438-08B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/24/09 09:07 AM

Compound	%Recovery
Bromoform	105
Cumene	100
1,1,2,2-Tetrachloroethane	91
1,3-Dichlorobenzene	87
1,4-Dichlorobenzene	87
1,2-Dichlorobenzene	83
1,2,4-Trichlorobenzene	78
Methyl Acetate	Not Spiked
Methylcyclohexane	93
1,2-Dibromo-3-chloropropane	Not Spiked

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903438-08C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032505	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/25/09 03:02 AM

Compound	%Recovery
Freon 12	95
Chloromethane	108
Vinyl Chloride	91
Bromomethane	93
Chloroethane	87
Freon 11	96
Freon 113	100
1,1-Dichloroethene	105
Acetone	94
Carbon Disulfide	86
Methylene Chloride	117
Methyl tert-butyl ether	90
trans-1,2-Dichloroethene	89
1,1-Dichloroethane	95
2-Butanone (Methyl Ethyl Ketone)	89
cis-1,2-Dichloroethene	100
Chloroform	100
1,1,1-Trichloroethane	99
Cyclohexane	89
Carbon Tetrachloride	100
Benzene	94
1,2-Dichloroethane	105
Trichloroethene	94
1,2-Dichloropropane	91
Bromodichloromethane	97
cis-1,3-Dichloropropene	92
4-Methyl-2-pentanone	91
Toluene	97
trans-1,3-Dichloropropene	91
1,1,2-Trichloroethane	90
Tetrachloroethene	93
2-Hexanone	90
Dibromochloromethane	96
1,2-Dibromoethane (EDB)	91
Chlorobenzene	89
Ethyl Benzene	89
m,p-Xylene	89
o-Xylene	88
Styrene	91



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903438-08C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	r032505	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/25/09 03:02 AM

Compound	%Recovery
Bromoform	99
Cumene	95
1,1,2,2-Tetrachloroethane	86
1,3-Dichlorobenzene	83
1,4-Dichlorobenzene	83
1,2-Dichlorobenzene	79
1,2,4-Trichlorobenzene	74
Methyl Acetate	Not Spiked
Methylcyclohexane	92
1,2-Dibromo-3-chloropropane	Not Spiked

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	98	70-130