

9/29/2010

Ms. Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Blvd.
Bldg. 200, Suite 300
Duluth GA 30096

Project Name: Maynard Terrace
Project #: TTEMI-05-001-0136
Workorder #: 1009613A

Dear Ms. Jessica Vickers

The following report includes the data for the above referenced project for sample(s) received on 9/28/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1009613A

Work Order Summary

CLIENT: Ms. Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Blvd.
Bldg. 200, Suite 300
Duluth, GA 30096

BILL TO: Ms. Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Blvd.
Bldg. 200, Suite 300
Duluth, GA 30096

PHONE: 678-775-3080

P.O. #

FAX:

PROJECT # TTEMI-05-001-0136 Maynard Terrace

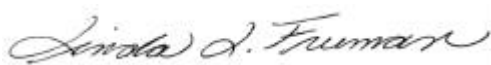
DATE RECEIVED: 09/28/2010

CONTACT: Ausha Scott

DATE COMPLETED: 09/29/2010

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	MTM-A-12	Modified TO-15	4.2 "Hg	5 psi
02A	MTM-A-13	Modified TO-15	4.8 "Hg	5 psi
03A	MTM-A-14	Modified TO-15	4.2 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA
06AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:



DATE: 09/29/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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**LABORATORY NARRATIVE
EPA Method TO-15
Tetra Tech EM, Inc.
Workorder# 1009613A**

Three 6 Liter Summa Canister (100% Certified) samples were received on September 28, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedences and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Dilution was performed on samples MTM-A-12, MTM-A-13 and MTM-A-14 due to the presence of high level non-target species.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

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

N - The identification is based on presumptive evidence.

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: MTM-A-12

Lab ID#: 1009613A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	7.8	74	38	360
Freon 114	7.8	72	54	500
Vinyl Chloride	7.8	82	20	210
Ethanol	31	39	59	74
Acetone	31	86	74	200
Carbon Disulfide	7.8	18	24	55
Methyl tert-butyl ether	7.8	16	28	58
Hexane	7.8	580	27	2000
2-Butanone (Methyl Ethyl Ketone)	7.8	18	23	54
cis-1,2-Dichloroethene	7.8	14	31	54
Cyclohexane	7.8	390	27	1300
2,2,4-Trimethylpentane	7.8	180	36	860
Benzene	7.8	46	25	150
Heptane	7.8	140	32	590
Toluene	7.8	55	29	210
Ethyl Benzene	7.8	54	34	240
m,p-Xylene	7.8	21	34	91
o-Xylene	7.8	13	34	58
Styrene	7.8	8.3	33	36
Cumene	7.8	110	38	540
Propylbenzene	7.8	54	38	270
4-Ethyltoluene	7.8	16	38	80
1,3,5-Trimethylbenzene	7.8	19	38	92
1,2,4-Trimethylbenzene	7.8	51	38	250

Client Sample ID: MTM-A-13

Lab ID#: 1009613A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	3.2	160	16	820
Freon 114	3.2	4.0	22	28

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: MTM-A-13

Lab ID#: 1009613A-02A

Vinyl Chloride	3.2	400	8.2	1000
Acetone	13	21	30	50
Carbon Disulfide	3.2	18	10	58
Methylene Chloride	3.2	4.2	11	15
trans-1,2-Dichloroethene	3.2	6.8	13	27
Hexane	3.2	140	11	500
2-Butanone (Methyl Ethyl Ketone)	3.2	3.2	9.4	9.6
cis-1,2-Dichloroethene	3.2	48	13	190
Cyclohexane	3.2	100	11	360
2,2,4-Trimethylpentane	3.2	27	15	130
Benzene	3.2	69	10	220
Heptane	3.2	24	13	98
Toluene	3.2	15	12	57
Ethyl Benzene	3.2	5.4	14	23
m,p-Xylene	3.2	4.1	14	18
Propylbenzene	3.2	10	16	50

Client Sample ID: MTM-A-14

Lab ID#: 1009613A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	7.8	37	38	180
Freon 114	7.8	38	54	260
Ethanol	31	35	59	66
Carbon Disulfide	7.8	13	24	40
Hexane	7.8	31	27	110
Cyclohexane	7.8	80	27	280
2,2,4-Trimethylpentane	7.8	740	36	3500
Benzene	7.8	50	25	160
Heptane	7.8	63	32	260
Toluene	7.8	32	29	120
Chlorobenzene	7.8	18	36	81
m,p-Xylene	7.8	13	34	56

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

Client Sample ID: MTM-A-14

Lab ID#: 1009613A-03A

Cumene	7.8	96	38	470
Propylbenzene	7.8	110	38	520
4-Ethyltoluene	7.8	11	38	54
1,3,5-Trimethylbenzene	7.8	20	38	100
1,2,4-Trimethylbenzene	7.8	28	38	140

Client Sample ID: MTM-A-12

Lab ID#: 1009613A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092845	Date of Collection: 9/27/10 2:30:00 PM
Dil. Factor:	15.6	Date of Analysis: 9/28/10 07:05 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	7.8	74	38	360
Freon 114	7.8	72	54	500
Chloromethane	31	Not Detected	64	Not Detected
Vinyl Chloride	7.8	82	20	210
1,3-Butadiene	7.8	Not Detected	17	Not Detected
Bromomethane	7.8	Not Detected	30	Not Detected
Chloroethane	7.8	Not Detected	20	Not Detected
Freon 11	7.8	Not Detected	44	Not Detected
Ethanol	31	39	59	74
Freon 113	7.8	Not Detected	60	Not Detected
1,1-Dichloroethene	7.8	Not Detected	31	Not Detected
Acetone	31	86	74	200
2-Propanol	31	Not Detected	77	Not Detected
Carbon Disulfide	7.8	18	24	55
3-Chloropropene	31	Not Detected	98	Not Detected
Methylene Chloride	7.8	Not Detected	27	Not Detected
Methyl tert-butyl ether	7.8	16	28	58
trans-1,2-Dichloroethene	7.8	Not Detected	31	Not Detected
Hexane	7.8	580	27	2000
1,1-Dichloroethane	7.8	Not Detected	32	Not Detected
2-Butanone (Methyl Ethyl Ketone)	7.8	18	23	54
cis-1,2-Dichloroethene	7.8	14	31	54
Tetrahydrofuran	7.8	Not Detected	23	Not Detected
Chloroform	7.8	Not Detected	38	Not Detected
1,1,1-Trichloroethane	7.8	Not Detected	42	Not Detected
Cyclohexane	7.8	390	27	1300
Carbon Tetrachloride	7.8	Not Detected	49	Not Detected
2,2,4-Trimethylpentane	7.8	180	36	860
Benzene	7.8	46	25	150
1,2-Dichloroethane	7.8	Not Detected	32	Not Detected
Heptane	7.8	140	32	590
Trichloroethene	7.8	Not Detected	42	Not Detected
1,2-Dichloropropane	7.8	Not Detected	36	Not Detected
1,4-Dioxane	31	Not Detected	110	Not Detected
Bromodichloromethane	7.8	Not Detected	52	Not Detected
cis-1,3-Dichloropropene	7.8	Not Detected	35	Not Detected
4-Methyl-2-pentanone	7.8	Not Detected	32	Not Detected
Toluene	7.8	55	29	210
trans-1,3-Dichloropropene	7.8	Not Detected	35	Not Detected
1,1,2-Trichloroethane	7.8	Not Detected	42	Not Detected
Tetrachloroethene	7.8	Not Detected	53	Not Detected

Client Sample ID: MTM-A-12

Lab ID#: 1009613A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092845	Date of Collection: 9/27/10 2:30:00 PM
Dil. Factor:	15.6	Date of Analysis: 9/28/10 07:05 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	31	Not Detected	130	Not Detected
Dibromochloromethane	7.8	Not Detected	66	Not Detected
1,2-Dibromoethane (EDB)	7.8	Not Detected	60	Not Detected
Chlorobenzene	7.8	Not Detected	36	Not Detected
Ethyl Benzene	7.8	54	34	240
m,p-Xylene	7.8	21	34	91
o-Xylene	7.8	13	34	58
Styrene	7.8	8.3	33	36
Bromoform	7.8	Not Detected	81	Not Detected
Cumene	7.8	110	38	540
1,1,2,2-Tetrachloroethane	7.8	Not Detected	54	Not Detected
Propylbenzene	7.8	54	38	270
4-Ethyltoluene	7.8	16	38	80
1,3,5-Trimethylbenzene	7.8	19	38	92
1,2,4-Trimethylbenzene	7.8	51	38	250
1,3-Dichlorobenzene	7.8	Not Detected	47	Not Detected
1,4-Dichlorobenzene	7.8	Not Detected	47	Not Detected
alpha-Chlorotoluene	7.8	Not Detected	40	Not Detected
1,2-Dichlorobenzene	7.8	Not Detected	47	Not Detected
1,2,4-Trichlorobenzene	31	Not Detected	230	Not Detected
Hexachlorobutadiene	31	Not Detected	330	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	111	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	115	70-130

Client Sample ID: MTM-A-13

Lab ID#: 1009613A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092844	Date of Collection: 9/27/10 2:40:00 PM
Dil. Factor:	6.40	Date of Analysis: 9/28/10 06:29 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	3.2	160	16	820
Freon 114	3.2	4.0	22	28
Chloromethane	13	Not Detected	26	Not Detected
Vinyl Chloride	3.2	400	8.2	1000
1,3-Butadiene	3.2	Not Detected	7.1	Not Detected
Bromomethane	3.2	Not Detected	12	Not Detected
Chloroethane	3.2	Not Detected	8.4	Not Detected
Freon 11	3.2	Not Detected	18	Not Detected
Ethanol	13	Not Detected	24	Not Detected
Freon 113	3.2	Not Detected	24	Not Detected
1,1-Dichloroethene	3.2	Not Detected	13	Not Detected
Acetone	13	21	30	50
2-Propanol	13	Not Detected	31	Not Detected
Carbon Disulfide	3.2	18	10	58
3-Chloropropene	13	Not Detected	40	Not Detected
Methylene Chloride	3.2	4.2	11	15
Methyl tert-butyl ether	3.2	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	3.2	6.8	13	27
Hexane	3.2	140	11	500
1,1-Dichloroethane	3.2	Not Detected	13	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.2	3.2	9.4	9.6
cis-1,2-Dichloroethene	3.2	48	13	190
Tetrahydrofuran	3.2	Not Detected	9.4	Not Detected
Chloroform	3.2	Not Detected	16	Not Detected
1,1,1-Trichloroethane	3.2	Not Detected	17	Not Detected
Cyclohexane	3.2	100	11	360
Carbon Tetrachloride	3.2	Not Detected	20	Not Detected
2,2,4-Trimethylpentane	3.2	27	15	130
Benzene	3.2	69	10	220
1,2-Dichloroethane	3.2	Not Detected	13	Not Detected
Heptane	3.2	24	13	98
Trichloroethene	3.2	Not Detected	17	Not Detected
1,2-Dichloropropane	3.2	Not Detected	15	Not Detected
1,4-Dioxane	13	Not Detected	46	Not Detected
Bromodichloromethane	3.2	Not Detected	21	Not Detected
cis-1,3-Dichloropropene	3.2	Not Detected	14	Not Detected
4-Methyl-2-pentanone	3.2	Not Detected	13	Not Detected
Toluene	3.2	15	12	57
trans-1,3-Dichloropropene	3.2	Not Detected	14	Not Detected
1,1,2-Trichloroethane	3.2	Not Detected	17	Not Detected
Tetrachloroethene	3.2	Not Detected	22	Not Detected

Client Sample ID: MTM-A-13

Lab ID#: 1009613A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092844	Date of Collection: 9/27/10 2:40:00 PM
Dil. Factor:	6.40	Date of Analysis: 9/28/10 06:29 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	13	Not Detected	52	Not Detected
Dibromochloromethane	3.2	Not Detected	27	Not Detected
1,2-Dibromoethane (EDB)	3.2	Not Detected	24	Not Detected
Chlorobenzene	3.2	Not Detected	15	Not Detected
Ethyl Benzene	3.2	5.4	14	23
m,p-Xylene	3.2	4.1	14	18
o-Xylene	3.2	Not Detected	14	Not Detected
Styrene	3.2	Not Detected	14	Not Detected
Bromoform	3.2	Not Detected	33	Not Detected
Cumene	3.2	Not Detected	16	Not Detected
1,1,2,2-Tetrachloroethane	3.2	Not Detected	22	Not Detected
Propylbenzene	3.2	10	16	50
4-Ethyltoluene	3.2	Not Detected	16	Not Detected
1,3,5-Trimethylbenzene	3.2	Not Detected	16	Not Detected
1,2,4-Trimethylbenzene	3.2	Not Detected	16	Not Detected
1,3-Dichlorobenzene	3.2	Not Detected	19	Not Detected
1,4-Dichlorobenzene	3.2	Not Detected	19	Not Detected
alpha-Chlorotoluene	3.2	Not Detected	16	Not Detected
1,2-Dichlorobenzene	3.2	Not Detected	19	Not Detected
1,2,4-Trichlorobenzene	13	Not Detected	95	Not Detected
Hexachlorobutadiene	13	Not Detected	140	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	118	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	115	70-130

Client Sample ID: MTM-A-14

Lab ID#: 1009613A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092849	Date of Collection: 9/27/10 2:50:00 PM
Dil. Factor:	15.6	Date of Analysis: 9/28/10 09:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	7.8	37	38	180
Freon 114	7.8	38	54	260
Chloromethane	31	Not Detected	64	Not Detected
Vinyl Chloride	7.8	Not Detected	20	Not Detected
1,3-Butadiene	7.8	Not Detected	17	Not Detected
Bromomethane	7.8	Not Detected	30	Not Detected
Chloroethane	7.8	Not Detected	20	Not Detected
Freon 11	7.8	Not Detected	44	Not Detected
Ethanol	31	35	59	66
Freon 113	7.8	Not Detected	60	Not Detected
1,1-Dichloroethene	7.8	Not Detected	31	Not Detected
Acetone	31	Not Detected	74	Not Detected
2-Propanol	31	Not Detected	77	Not Detected
Carbon Disulfide	7.8	13	24	40
3-Chloropropene	31	Not Detected	98	Not Detected
Methylene Chloride	7.8	Not Detected	27	Not Detected
Methyl tert-butyl ether	7.8	Not Detected	28	Not Detected
trans-1,2-Dichloroethene	7.8	Not Detected	31	Not Detected
Hexane	7.8	31	27	110
1,1-Dichloroethane	7.8	Not Detected	32	Not Detected
2-Butanone (Methyl Ethyl Ketone)	7.8	Not Detected	23	Not Detected
cis-1,2-Dichloroethene	7.8	Not Detected	31	Not Detected
Tetrahydrofuran	7.8	Not Detected	23	Not Detected
Chloroform	7.8	Not Detected	38	Not Detected
1,1,1-Trichloroethane	7.8	Not Detected	42	Not Detected
Cyclohexane	7.8	80	27	280
Carbon Tetrachloride	7.8	Not Detected	49	Not Detected
2,2,4-Trimethylpentane	7.8	740	36	3500
Benzene	7.8	50	25	160
1,2-Dichloroethane	7.8	Not Detected	32	Not Detected
Heptane	7.8	63	32	260
Trichloroethene	7.8	Not Detected	42	Not Detected
1,2-Dichloropropane	7.8	Not Detected	36	Not Detected
1,4-Dioxane	31	Not Detected	110	Not Detected
Bromodichloromethane	7.8	Not Detected	52	Not Detected
cis-1,3-Dichloropropene	7.8	Not Detected	35	Not Detected
4-Methyl-2-pentanone	7.8	Not Detected	32	Not Detected
Toluene	7.8	32	29	120
trans-1,3-Dichloropropene	7.8	Not Detected	35	Not Detected
1,1,2-Trichloroethane	7.8	Not Detected	42	Not Detected
Tetrachloroethene	7.8	Not Detected	53	Not Detected

Client Sample ID: MTM-A-14

Lab ID#: 1009613A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092849	Date of Collection: 9/27/10 2:50:00 PM
Dil. Factor:	15.6	Date of Analysis: 9/28/10 09:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	31	Not Detected	130	Not Detected
Dibromochloromethane	7.8	Not Detected	66	Not Detected
1,2-Dibromoethane (EDB)	7.8	Not Detected	60	Not Detected
Chlorobenzene	7.8	18	36	81
Ethyl Benzene	7.8	Not Detected	34	Not Detected
m,p-Xylene	7.8	13	34	56
o-Xylene	7.8	Not Detected	34	Not Detected
Styrene	7.8	Not Detected	33	Not Detected
Bromoform	7.8	Not Detected	81	Not Detected
Cumene	7.8	96	38	470
1,1,2,2-Tetrachloroethane	7.8	Not Detected	54	Not Detected
Propylbenzene	7.8	110	38	520
4-Ethyltoluene	7.8	11	38	54
1,3,5-Trimethylbenzene	7.8	20	38	100
1,2,4-Trimethylbenzene	7.8	28	38	140
1,3-Dichlorobenzene	7.8	Not Detected	47	Not Detected
1,4-Dichlorobenzene	7.8	Not Detected	47	Not Detected
alpha-Chlorotoluene	7.8	Not Detected	40	Not Detected
1,2-Dichlorobenzene	7.8	Not Detected	47	Not Detected
1,2,4-Trichlorobenzene	31	Not Detected	230	Not Detected
Hexachlorobutadiene	31	Not Detected	330	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	114	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	113	70-130

Client Sample ID: Lab Blank

Lab ID#: 1009613A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092842	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/28/10 05:28 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	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
Ethanol	2.0	Not Detected	3.8	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
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	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
Hexane	0.50	Not Detected	1.8	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
Tetrahydrofuran	0.50	Not Detected	1.5	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
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	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
1,4-Dioxane	2.0	Not Detected	7.2	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

Client Sample ID: Lab Blank

Lab ID#: 1009613A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092842	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/28/10 05:28 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
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
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
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: CCV

Lab ID#: 1009613A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092840	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/28/10 04:27 PM

Compound	%Recovery
Freon 12	112
Freon 114	103
Chloromethane	109
Vinyl Chloride	99
1,3-Butadiene	90
Bromomethane	122
Chloroethane	96
Freon 11	114
Ethanol	83
Freon 113	102
1,1-Dichloroethene	86
Acetone	78
2-Propanol	82
Carbon Disulfide	86
3-Chloropropene	85
Methylene Chloride	95
Methyl tert-butyl ether	95
trans-1,2-Dichloroethene	96
Hexane	83
1,1-Dichloroethane	98
2-Butanone (Methyl Ethyl Ketone)	91
cis-1,2-Dichloroethene	90
Tetrahydrofuran	91
Chloroform	109
1,1,1-Trichloroethane	116
Cyclohexane	92
Carbon Tetrachloride	118
2,2,4-Trimethylpentane	99
Benzene	111
1,2-Dichloroethane	130
Heptane	108
Trichloroethene	114
1,2-Dichloropropane	120
1,4-Dioxane	112
Bromodichloromethane	128
cis-1,3-Dichloropropene	114
4-Methyl-2-pentanone	119
Toluene	118
trans-1,3-Dichloropropene	113
1,1,2-Trichloroethane	116
Tetrachloroethene	111

Client Sample ID: CCV

Lab ID#: 1009613A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092840	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/28/10 04:27 PM

Compound	%Recovery
2-Hexanone	110
Dibromochloromethane	116
1,2-Dibromoethane (EDB)	113
Chlorobenzene	110
Ethyl Benzene	109
m,p-Xylene	109
o-Xylene	108
Styrene	114
Bromoform	119
Cumene	112
1,1,2,2-Tetrachloroethane	122
Propylbenzene	116
4-Ethyltoluene	114
1,3,5-Trimethylbenzene	107
1,2,4-Trimethylbenzene	107
1,3-Dichlorobenzene	112
1,4-Dichlorobenzene	114
alpha-Chlorotoluene	138 Q
1,2-Dichlorobenzene	113
1,2,4-Trichlorobenzene	108
Hexachlorobutadiene	118

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	117	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	110	70-130

Client Sample ID: LCS

Lab ID#: 1009613A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p092837
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 9/28/10 03:32 PM

Compound	%Recovery
Freon 12	119
Freon 114	110
Chloromethane	118
Vinyl Chloride	105
1,3-Butadiene	99
Bromomethane	130
Chloroethane	103
Freon 11	122
Ethanol	114
Freon 113	96
1,1-Dichloroethene	85
Acetone	84
2-Propanol	86
Carbon Disulfide	92
3-Chloropropene	90
Methylene Chloride	93
Methyl tert-butyl ether	103
trans-1,2-Dichloroethene	101
Hexane	90
1,1-Dichloroethane	101
2-Butanone (Methyl Ethyl Ketone)	94
cis-1,2-Dichloroethene	93
Tetrahydrofuran	94
Chloroform	112
1,1,1-Trichloroethane	120
Cyclohexane	96
Carbon Tetrachloride	122
2,2,4-Trimethylpentane	100
Benzene	111
1,2-Dichloroethane	129
Heptane	108
Trichloroethene	116
1,2-Dichloropropane	122
1,4-Dioxane	111
Bromodichloromethane	132
cis-1,3-Dichloropropene	122
4-Methyl-2-pentanone	119
Toluene	117
trans-1,3-Dichloropropene	117
1,1,2-Trichloroethane	114
Tetrachloroethene	111

Client Sample ID: LCS

Lab ID#: 1009613A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092837	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/28/10 03:32 PM

Compound	%Recovery
2-Hexanone	108
Dibromochloromethane	117
1,2-Dibromoethane (EDB)	119
Chlorobenzene	112
Ethyl Benzene	113
m,p-Xylene	112
o-Xylene	110
Styrene	114
Bromoform	121
Cumene	110
1,1,2,2-Tetrachloroethane	125
Propylbenzene	115
4-Ethyltoluene	116
1,3,5-Trimethylbenzene	107
1,2,4-Trimethylbenzene	110
1,3-Dichlorobenzene	116
1,4-Dichlorobenzene	118
alpha-Chlorotoluene	136 Q
1,2-Dichlorobenzene	117
1,2,4-Trichlorobenzene	114
Hexachlorobutadiene	124

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	116	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	107	70-130

Client Sample ID: LCSD

Lab ID#: 1009613A-06AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p092838
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 9/28/10 03:50 PM

Compound	%Recovery
Freon 12	115
Freon 114	106
Chloromethane	113
Vinyl Chloride	101
1,3-Butadiene	96
Bromomethane	127
Chloroethane	100
Freon 11	116
Ethanol	104
Freon 113	93
1,1-Dichloroethene	82
Acetone	80
2-Propanol	82
Carbon Disulfide	88
3-Chloropropene	86
Methylene Chloride	90
Methyl tert-butyl ether	99
trans-1,2-Dichloroethene	97
Hexane	86
1,1-Dichloroethane	96
2-Butanone (Methyl Ethyl Ketone)	93
cis-1,2-Dichloroethene	90
Tetrahydrofuran	94
Chloroform	108
1,1,1-Trichloroethane	115
Cyclohexane	96
Carbon Tetrachloride	118
2,2,4-Trimethylpentane	102
Benzene	110
1,2-Dichloroethane	126
Heptane	108
Trichloroethene	113
1,2-Dichloropropane	118
1,4-Dioxane	108
Bromodichloromethane	126
cis-1,3-Dichloropropene	118
4-Methyl-2-pentanone	114
Toluene	113
trans-1,3-Dichloropropene	115
1,1,2-Trichloroethane	113
Tetrachloroethene	110

Client Sample ID: LCSD

Lab ID#: 1009613A-06AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p092838	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/28/10 03:50 PM

Compound	%Recovery
2-Hexanone	105
Dibromochloromethane	117
1,2-Dibromoethane (EDB)	117
Chlorobenzene	112
Ethyl Benzene	112
m,p-Xylene	111
o-Xylene	110
Styrene	113
Bromoform	122
Cumene	110
1,1,2,2-Tetrachloroethane	124
Propylbenzene	116
4-Ethyltoluene	116
1,3,5-Trimethylbenzene	108
1,2,4-Trimethylbenzene	110
1,3-Dichlorobenzene	115
1,4-Dichlorobenzene	118
alpha-Chlorotoluene	136 Q
1,2-Dichlorobenzene	117
1,2,4-Trichlorobenzene	114
Hexachlorobutadiene	124

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	115	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	108	70-130