AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0311448-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**b112504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/25/03 01:52 PM**	

Compound	%Recovery
Freon 12	129
Freon 114	118
Vinyl Chloride	136 Q
Bromomethane	122
Chloroethane	133 Q
Freon 11	111
1,1-Dichloroethene	106
Freon 113	109
Methylene Chloride	105
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	111
Chloroform	107
1,1,1-Trichloroethane	113
Carbon Tetrachloride	129
Benzene	105
1,2-Dichloroethane	110
Trichloroethene	114
1,2-Dichloropropane	104
cis-1,3-Dichloropropene	100
Toluene	101
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	109
Tetrachloroethene	113
1,2-Dibromoethane (EDB)	100
Chlorobenzene	106
Ethyl Benzene	106
m,p-Xylene	103
o-Xylene	99
Styrene	104
1,1,2,2-Tetrachloroethane	97
1,3,5-Trimethylbenzene	91
1,2,4-Trimethylbenzene	84
1,3-Dichlorobenzene	95
1,4-Dichlorobenzene	88
alpha-Chlorotoluene	102
1,2-Dichlorobenzene	88
1,3-Butadiene	106
Hexane	98
Cyclohexane	105
Heptane	90
Bromodichloromethane	106
Dibromochloromethane	112

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0311448-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**b112504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/25/03 01:52 PM**	

Compound	%Recovery
Cumene	106
Propylbenzene	79
Chloromethane	117
1,2,4-Trichlorobenzene	87
Hexachlorobutadiene	82
Acetone	113
Carbon Disulfide	109
2-Propanol	111
trans-1,2-Dichloroethene	118
Vinyl Acetate	115
2-Butanone (Methyl Ethyl Ketone)	114
Tetrahydrofuran	110
1,4-Dioxane	112
4-Methyl-2-pentanone	104
2-Hexanone	98
Bromoform	99
4-Ethyltoluene	96
Methyl tert-butyl ether	109
Ethanol	115

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

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

AIR TOXICS LTD.

SAMPLE NAME: LCSD

ID#: 0311448-05AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b112505	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis:	11/25/03 02:38 PM

Compound	%Recovery
Freon 12	131 Q
Freon 114	116
Vinyl Chloride	136 Q
Bromomethane	126
Chloroethane	131 Q
Freon 11	108
1,1-Dichloroethene	105
Freon 113	108
Methylene Chloride	103
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	109
Chloroform	105
1,1,1-Trichloroethane	111
Carbon Tetrachloride	128
Benzene	105
1,2-Dichloroethane	110
Trichloroethene	113
1,2-Dichloropropane	105
cis-1,3-Dichloropropene	100
Toluene	100
trans-1,3-Dichloropropene	111
1,1,2-Trichloroethane	106
Tetrachloroethene	109
1,2-Dibromoethane (EDB)	97
Chlorobenzene	105
Ethyl Benzene	104
m,p-Xylene	101
o-Xylene	98
Styrene	104
1,1,2,2-Tetrachloroethane	95
1,3,5-Trimethylbenzene	91
1,2,4-Trimethylbenzene	82
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	88
alpha-Chlorotoluene	99
1,2-Dichlorobenzene	87
1,3-Butadiene	106
Hexane	97
Cyclohexane	104
Heptane	92
Bromodichloromethane	106
Dibromochloromethane	111

AIR TOXICS LTD.

SAMPLE NAME: LCSD

ID#: 0311448-05AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**b112505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/25/03 02:38 PM**	

Compound	%Recovery
Cumene	105
Propylbenzene	78
Chloromethane	117
1,2,4-Trichlorobenzene	84
Hexachlorobutadiene	78
Acetone	112
Carbon Disulfide	108
2-Propanol	109
trans-1,2-Dichloroethene	116
Vinyl Acetate	113
2-Butanone (Methyl Ethyl Ketone)	113
Tetrahydrofuran	108
1,4-Dioxane	112
4-Methyl-2-pentanone	103
2-Hexanone	97
Bromoform	97
4-Ethyltoluene	96
Methyl tert-butyl ether	106
Ethanol	115

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0312105

Work Order Summary

CLIENT:	Mr. Sree Akkenapally Geofon 22632 Golden Springs Dr. Suite 270 Diamond Bar, CA 91765	**BILL TO:**	Mr. Sree Akkenapally Geofon 22632 Golden Springs Dr. Suite 270 Diamond Bar, CA 91765
PHONE:	909-396-7662	**P.O. #**	
FAX:	909-396-1455	**PROJECT #**	04-4428.10 JPL #2
DATE RECEIVED:	12/5/03	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	12/12/03		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VE04-INN-028-001	Modified TO-14A	Tedlar Bag
02A	VE04-EFF-028-002	Modified TO-14A	Tedlar Bag
03A	Lab Blank	Modified TO-14A	NA
04A	CCV	Modified TO-14A	NA
05A	LCS	Modified TO-14A	NA
05AA	LCSD	Modified TO-14A	NA

CERTIFIED BY: Linda D. Truman DATE: 12/16/03

Laboratory Director

Certfication numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/03, Expiration date: 06/30/04
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

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

LABORATORY NARRATIVE
Modified TO-14A
Geofon
Workorder# 0312105

Two 1 Liter Tedlar Bag samples were received on December 05, 2003. The laboratory performed analysis via modified EPA Method TO-14A using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

Requirement	*TO-14A*	*ATL Modifications*
Continuing Calibration criteria	</= 30% Difference	</= 30% Difference with two allowed out to </= 40% Difference; flag and narrate outliers
Initial Calibration criteria	RSD<30%	RSD</=30%, two compounds allowed up to 40%.
Moisture control	Nafion Dryer	Multisorbent trap
Blank acceptance criteria	<0.20 ppbv	<Reporting Limit
Primary ions for Quantification	Freon 114: 85, Carbon Tetrachloride: 117, Trichloroethene: 130, Ethyl Benzene, m,p- and o-Xylene: 91	Freon 114: 135, Carbon Tetrachloride: 119, Trichloroethene: 95, Ethyl Benzene, m,p- and o-Xylene: 106
Dilutions for Initial Calibration	Dynamic dilutions or static using canisters	Syringe dilutions
BFB absolute abundance criteria	Within 10% of that from previous day.	CCV internal standard area counts are compared to ICAL, corrective action for > 40% D
Sample Load Volume	400 mL	Varied to 200 mL

Receiving Notes

The chain of custody was not relinquished properly. The discrepancy was noted in the Login email.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit (background subtraction no 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

GEOFON INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

0312105

GEOFON LAB COORDINATOR: J. ROBINSON	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: AIR TOXICS	LABORATORY CONTACT: JENIFFER MILLER	MAIL REPORT (COMPANY NAME): GEOFON INC
PROJECT NAME: JPL #2	PROJECT LOCATION: JPL - YE04	PROJECT NUMBER: 04-4428.10	LABORATORY PHONE: 916-985-1000	LABORATORY FAX: 916-985-1020	RECIPIENT NAME: J. ROBINSON
PROJECT CONTACT: J. ROBINSON	PROJECT PHONE NUMBER: 714-970-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 180 BLUE RAVINE ROAD #B		ADDRESS: 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS: 4800 OAKGROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: FOLSUM CA 95630		CITY, STATE AND ZIPCODE: DIAMOND BAR CA 91765
PROJECT MANAGER: ASRAR FAHEEM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14								Comments
01A 1	YE04-INN-028-001	AIR	12/4/03	1140	NONE	1*	3	NORM	X								1*L TEDLAR BAG SCREEN - INFLUENT
02A 2	YE04-EFF-028-002	AIR	12/4/03	1145	NONE	1*	3	NORM	X								SCREEN - EFFLUENT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

CUSTODY SEAL INTACT?
Y N NONE TEMP ____

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER: FED EX 8385-7521-7042

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature] AIR	12/5/03	935	Good

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File, Yellow - Project Data Manager

AIR TOXICS LTD.

SAMPLE NAME: VE04-INN-028-001

ID#: 0312105-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	I120613	Date of Collection:	12/4/03
Dil. Factor:	1.00	Date of Analysis:	12/6/03 06:28 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	11	2.5	55
Freon 114	0.50	Not Detected	3.6	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	2.0	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	38	2.8	220
1,1-Dichloroethene	0.50	4.7	2.0	19
Freon 113	0.50	21	3.9	160
Methylene Chloride	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	0.75	2.0	3.1
cis-1,2-Dichloroethene	0.50	0.87	2.0	3.5
Chloroform	0.50	37	2.5	180
1,1,1-Trichloroethane	0.50	2.2	2.8	12
Carbon Tetrachloride	0.50	28	3.2	180
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	190	2.7	1000
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	2.4	1.9	9.1
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.8	Not Detected
Tetrachloroethene	0.50	14	3.4	95
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.9	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	0.65	2.2	2.9
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.5	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.5	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.5	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
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Heptane	0.50	0.98	2.1	4.1
Bromodichloromethane	0.50	1.6	3.4	11
Dibromochloromethane	0.50	Not Detected	4.3	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: VE04-INN-028-001

ID#: 0312105-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**i120613**	**Date of Collection: 12/4/03**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/6/03 06:28 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Cumene	0.50	Not Detected	2.5	Not Detected
Propylbenzene	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.2	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	22	Not Detected
Acetone	2.0	120	4.8	280
Carbon Disulfide	2.0	Not Detected	6.3	Not Detected
2-Propanol	2.0	16	5.0	40
trans-1,2-Dichloroethene	2.0	Not Detected	8.0	Not Detected
Vinyl Acetate	2.0	Not Detected	7.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	54	6.0	160
Tetrahydrofuran	2.0	Not Detected	6.0	Not Detected
1,4-Dioxane	2.0	Not Detected	7.3	Not Detected
4-Methyl-2-pentanone	2.0	Not Detected	8.3	Not Detected
2-Hexanone	2.0	Not Detected	8.3	Not Detected
Bromoform	2.0	Not Detected	21	Not Detected
4-Ethyltoluene	2.0	Not Detected	10	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.3	Not Detected
Ethanol	2.0	2.3	3.8	4.3

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: VE04-EFF-028-002

ID#: 0312105-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**i120614**	**Date of Collection:**	**12/4/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**12/6/03 07:15 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	13	2.5	64
Freon 114	0.50	Not Detected	3.6	Not Detected
Vinyl Chloride	0.50	0.60	1.3	1.6
Bromomethane	0.50	Not Detected	2.0	Not Detected
Chloroethane	0.50	14	1.3	38
Freon 11	0.50	53	2.8	300
1,1-Dichloroethene	0.50	7.4	2.0	30
Freon 113	0.50	35	3.9	270
Methylene Chloride	0.50	1.6	1.8	5.6
1,1-Dichloroethane	0.50	2.0	2.0	8.2
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	19	2.5	96
1,1,1-Trichloroethane	0.50	1.6	2.8	8.7
Carbon Tetrachloride	0.50	14	3.2	92
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
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	2.4	1.9	9.3
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.8	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.9	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	0.56	2.2	2.4
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.5	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.5	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.5	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
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Heptane	0.50	2.1	2.1	8.9
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.3	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: VE04-EFF-028-002

ID#: 0312105-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	i120614	Date of Collection:	12/4/03
Dil. Factor:	1.00	Date of Analysis:	12/6/03 07:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Cumene	0.50	Not Detected	2.5	Not Detected
Propylbenzene	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	2.1	4.2	4.4
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	22	Not Detected
Acetone	2.0	150	4.8	360
Carbon Disulfide	2.0	3.2	6.3	10
2-Propanol	2.0	16	5.0	40
trans-1,2-Dichloroethene	2.0	Not Detected	8.0	Not Detected
Vinyl Acetate	2.0	Not Detected	7.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	76	6.0	230
Tetrahydrofuran	2.0	Not Detected	6.0	Not Detected
1,4-Dioxane	2.0	Not Detected	7.3	Not Detected
4-Methyl-2-pentanone	2.0	Not Detected	8.3	Not Detected
2-Hexanone	2.0	4.6	8.3	19
Bromoform	2.0	Not Detected	21	Not Detected
4-Ethyltoluene	2.0	Not Detected	10	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.3	Not Detected
Ethanol	2.0	9.2	3.8	18

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	95	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0312105-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**i120605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/6/03 12:23 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	3.6	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	2.0	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.9	Not Detected
Methylene Chloride	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.5	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.2	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
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	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	2.8	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.9	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	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.5	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.5	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.5	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
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Heptane	0.50	Not Detected	2.1	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.3	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0312105-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**I120605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/6/03 12:23 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Cumene	0.50	Not Detected	2.5	Not Detected
Propylbenzene	0.50	Not Detected	2.5	Not Detected
Chloromethane	2.0	Not Detected	4.2	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	22	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	2.0	Not Detected	6.3	Not Detected
2-Propanol	2.0	Not Detected	5.0	Not Detected
trans-1,2-Dichloroethene	2.0	Not Detected	8.0	Not Detected
Vinyl Acetate	2.0	Not Detected	7.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	6.0	Not Detected
Tetrahydrofuran	2.0	Not Detected	6.0	Not Detected
1,4-Dioxane	2.0	Not Detected	7.3	Not Detected
4-Methyl-2-pentanone	2.0	Not Detected	8.3	Not Detected
2-Hexanone	2.0	Not Detected	8.3	Not Detected
Bromoform	2.0	Not Detected	21	Not Detected
4-Ethyltoluene	2.0	Not Detected	10	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.3	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	94	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0312105-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**i120602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/6/03 09:58 AM**	

Compound	%Recovery
Freon 12	110
Freon 114	96
Vinyl Chloride	108
Bromomethane	119
Chloroethane	105
Freon 11	97
1,1-Dichloroethene	95
Freon 113	102
Methylene Chloride	89
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	95
Chloroform	99
1,1,1-Trichloroethane	101
Carbon Tetrachloride	104
Benzene	98
1,2-Dichloroethane	99
Trichloroethene	103
1,2-Dichloropropane	98
cis-1,3-Dichloropropene	101
Toluene	100
trans-1,3-Dichloropropene	101
1,1,2-Trichloroethane	104
Tetrachloroethene	108
1,2-Dibromoethane (EDB)	105
Chlorobenzene	101
Ethyl Benzene	100
m,p-Xylene	99
o-Xylene	98
Styrene	100
1,1,2,2-Tetrachloroethane	92
1,3,5-Trimethylbenzene	93
1,2,4-Trimethylbenzene	91
1,3-Dichlorobenzene	93
1,4-Dichlorobenzene	94
alpha-Chlorotoluene	90
1,2-Dichlorobenzene	92
1,3-Butadiene	87
Hexane	93
Cyclohexane	98
Heptane	89
Bromodichloromethane	103
Dibromochloromethane	108

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0312105-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**i120602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/6/03 09:58 AM**	

Compound	%Recovery
Cumene	96
Propylbenzene	98
Chloromethane	89
1,2,4-Trichlorobenzene	90
Hexachlorobutadiene	91
Acetone	85
Carbon Disulfide	96
2-Propanol	89
trans-1,2-Dichloroethene	98
Vinyl Acetate	88
2-Butanone (Methyl Ethyl Ketone)	88
Tetrahydrofuran	88
1,4-Dioxane	99
4-Methyl-2-pentanone	91
2-Hexanone	92
Bromoform	103
4-Ethyltoluene	94
Methyl tert-butyl ether	95
Ethanol	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0312105-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**i120603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/6/03 10:50 AM**	

Compound	%Recovery
Freon 12	116
Freon 114	105
Vinyl Chloride	116
Bromomethane	124
Chloroethane	116
Freon 11	98
1,1-Dichloroethene	92
Freon 113	100
Methylene Chloride	88
1,1-Dichloroethane	87
cis-1,2-Dichloroethene	98
Chloroform	98
1,1,1-Trichloroethane	97
Carbon Tetrachloride	106
Benzene	105
1,2-Dichloroethane	100
Trichloroethene	108
1,2-Dichloropropane	97
cis-1,3-Dichloropropene	90
Toluene	102
trans-1,3-Dichloropropene	106
1,1,2-Trichloroethane	106
Tetrachloroethene	116
1,2-Dibromoethane (EDB)	98
Chlorobenzene	104
Ethyl Benzene	101
m,p-Xylene	96
o-Xylene	92
Styrene	95
1,1,2,2-Tetrachloroethane	88
1,3,5-Trimethylbenzene	80
1,2,4-Trimethylbenzene	74
1,3-Dichlorobenzene	88
1,4-Dichlorobenzene	82
alpha-Chlorotoluene	75
1,2-Dichlorobenzene	84
1,3-Butadiene	91
Hexane	95
Cyclohexane	99
Heptane	85
Bromodichloromethane	96
Dibromochloromethane	101

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0312105-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**I120603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/6/03 10:50 AM**	

Compound	%Recovery
Cumene	91
Propylbenzene	65
Chloromethane	95
1,2,4-Trichlorobenzene	85
Hexachlorobutadiene	79
Acetone	92
Carbon Disulfide	101
2-Propanol	94
trans-1,2-Dichloroethene	109
Vinyl Acetate	92
2-Butanone (Methyl Ethyl Ketone)	94
Tetrahydrofuran	92
1,4-Dioxane	104
4-Methyl-2-pentanone	91
2-Hexanone	88
Bromoform	75
4-Ethyltoluene	74
Methyl tert-butyl ether	97
Ethanol	97

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCSD

ID#: 0312105-05AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**i120604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/6/03 11:30 AM**	

Compound	%Recovery
Freon 12	122
Freon 114	105
Vinyl Chloride	121
Bromomethane	130
Chloroethane	117
Freon 11	97
1,1-Dichloroethene	92
Freon 113	100
Methylene Chloride	88
1,1-Dichloroethane	86
cis-1,2-Dichloroethene	97
Chloroform	98
1,1,1-Trichloroethane	98
Carbon Tetrachloride	106
Benzene	103
1,2-Dichloroethane	100
Trichloroethene	108
1,2-Dichloropropane	97
cis-1,3-Dichloropropene	90
Toluene	102
trans-1,3-Dichloropropene	104
1,1,2-Trichloroethane	106
Tetrachloroethene	115
1,2-Dibromoethane (EDB)	97
Chlorobenzene	103
Ethyl Benzene	100
m,p-Xylene	96
o-Xylene	92
Styrene	96
1,1,2,2-Tetrachloroethane	90
1,3,5-Trimethylbenzene	82
1,2,4-Trimethylbenzene	77
1,3-Dichlorobenzene	93
1,4-Dichlorobenzene	85
alpha-Chlorotoluene	78
1,2-Dichlorobenzene	89
1,3-Butadiene	91
Hexane	95
Cyclohexane	99
Heptane	84
Bromodichloromethane	95
Dibromochloromethane	100

AIR TOXICS LTD.

SAMPLE NAME: LCSD

ID#: 0312105-05AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	**i120604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/6/03 11:30 AM**	

Compound	%Recovery
Cumene	93
Propylbenzene	66
Chloromethane	98
1,2,4-Trichlorobenzene	93
Hexachlorobutadiene	83
Acetone	89
Carbon Disulfide	100
2-Propanol	94
trans-1,2-Dichloroethene	108
Vinyl Acetate	91
2-Butanone (Methyl Ethyl Ketone)	93
Tetrahydrofuran	91
1,4-Dioxane	104
4-Methyl-2-pentanone	90
2-Hexanone	87
Bromoform	76
4-Ethyltoluene	75
Methyl tert-butyl ether	97
Ethanol	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130