AIR TOXICS LTD.

SAMPLE NAME: LCSD

ID#: 0309028-05AA

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

File Name:	I090304	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/3/03 09:12 AM	

Compound	%Recovery
Freon 12	114
Freon 114	127
Vinyl Chloride	111
Bromomethane	119
Chloroethane	113
Freon 11	102
1,1-Dichloroethene	100
Freon 113	102
Methylene Chloride	101
1,1-Dichloroethane	93
cis-1,2-Dichloroethene	107
Chloroform	102
1,1,1-Trichloroethane	102
Carbon Tetrachloride	112
Benzene	115
1,2-Dichloroethane	111
Trichloroethene	116
1,2-Dichloropropane	108
cis-1,3-Dichloropropene	108
Toluene	111
trans-1,3-Dichloropropene	107
1,1,2-Trichloroethane	109
Tetrachloroethene	118
1,2-Dibromoethane (EDB)	101
Chlorobenzene	109
Ethyl Benzene	112
m,p-Xylene	104
o-Xylene	103
Styrene	115
1,1,2,2-Tetrachloroethane	102
1,3,5-Trimethylbenzene	95
1,2,4-Trimethylbenzene	89
1,3-Dichlorobenzene	100
1,4-Dichlorobenzene	91
alpha-Chlorotoluene	95
1,2-Dichlorobenzene	93
1,3-Butadiene	113
Hexane	99
Cyclohexane	102
Heptane	100
Bromodichloromethane	100
Dibromochloromethane	103

AIR TOXICS LTD.

SAMPLE NAME: LCSD

ID#: 0309028-05AA

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

File Name:	i090304	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/3/03 09:12 AM	

Compound	%Recovery
Cumene	111
Propylbenzene	82
Chloromethane	98
1,2,4-Trichlorobenzene	115
Hexachlorobutadiene	110
Acetone	93
Carbon Disulfide	103
2-Propanol	107
trans-1,2-Dichloroethene	107
Vinyl Acetate	82
2-Butanone (Methyl Ethyl Ketone)	103
Tetrahydrofuran	104
1,4-Dioxane	112
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	106
2-Hexanone	101
Bromoform	85
4-Ethyltoluene	84
Methyl tert-butyl ether	83
Ethanol	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0309301

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:	9/17/03	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	9/24/03		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VE04-INN-017-001	Modified TO-14A	Tedlar Bag
02A	VE04-EFF-017-002	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 J. Freeman

Laboratory Director

DATE: 09/24/03

Certfication numbers: AR DEQ, 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# 0309301

Two 1 Liter Tedlar Bag samples were received on September 17, 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

0309301

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

GEOFON LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	AIL TOXICS	JENNIFER MILLER	GEOFON INC

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
JPL #7	JPL VE04	04-4428.10	916-985-1000	916-985-1020	J. ROBINSON

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
J. ROBINSON	714-920-8438	N/A	180 BLUE RAVINE ROAD #B	22632 GOLDEN SPRINGS DR #270

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
4800 OAK GROVE DR	PASADENA CA 91109	US NAVY SUBDIV	FOLSOM CA 95630	DIAMOND BAR CA 91765

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
ASLAM FAHEEM	909-396-7662	909-396-1455

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses TO-14	Comments
01A 1	VE04-INN-017-001	AIR	9/14/03		NONE	1*	3	NORM	X	1*L TEDLAR BAG SCRUBBER - INFLUENT
01A 2	VE04-EFF-017-002	AIR	9/14/03		NONE	1*	3	NORM	X	SCRUBBER - EFFLUENT
3										
4										
5										
6										
7										
8										
9										
10										

CUSTODY SEAL INTACT?
Y/N NONE TEMP ____

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
Tony [signature]	FED EX 8413-8382-5300	

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE CONDITION UPON RECEIPT
Tony [signature]	Jenna A. Thomas AIL	9/17/03	1020	Good

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

AIR TOXICS LTD.

SAMPLE NAME: VE04-INN-017-001

ID#: 0309301-01A

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

File Name:	s091909	Date of Collection:	9/16/03
Dil. Factor:	2.00	Date of Analysis:	9/19/03 03:03 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	1.0	5.0	12	58
Freon 114	1.0	7.1	Not Detected	Not Detected
Vinyl Chloride	1.0	2.6	Not Detected	Not Detected
Bromomethane	1.0	3.9	Not Detected	Not Detected
Chloroethane	1.0	2.7	Not Detected	Not Detected
Freon 11	1.0	5.7	22	120
1,1-Dichloroethene	1.0	4.0	4.0	16
Freon 113	1.0	7.8	29	220
Methylene Chloride	1.0	3.5	Not Detected	Not Detected
1,1-Dichloroethane	1.0	4.1	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.0	4.0	Not Detected	Not Detected
Chloroform	1.0	5.0	27	140
1,1,1-Trichloroethane	1.0	5.5	1.8	10
Carbon Tetrachloride	1.0	6.4	25	160
Benzene	1.0	3.2	Not Detected	Not Detected
1,2-Dichloroethane	1.0	4.1	Not Detected	Not Detected
Trichloroethene	1.0	5.5	160	880
1,2-Dichloropropane	1.0	4.7	Not Detected	Not Detected
cis-1,3-Dichloropropene	1.0	4.6	Not Detected	Not Detected
Toluene	1.0	3.8	3.3	13
trans-1,3-Dichloropropene	1.0	4.6	Not Detected	Not Detected
1,1,2-Trichloroethane	1.0	5.5	Not Detected	Not Detected
Tetrachloroethene	1.0	6.9	12	85
1,2-Dibromoethane (EDB)	1.0	7.8	Not Detected	Not Detected
Chlorobenzene	1.0	4.7	Not Detected	Not Detected
Ethyl Benzene	1.0	4.4	Not Detected	Not Detected
m,p-Xylene	1.0	4.4	Not Detected	Not Detected
o-Xylene	1.0	4.4	Not Detected	Not Detected
Styrene	1.0	4.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	1.0	7.0	Not Detected	Not Detected
1,3,5-Trimethylbenzene	1.0	5.0	Not Detected	Not Detected
1,2,4-Trimethylbenzene	1.0	5.0	Not Detected	Not Detected
1,3-Dichlorobenzene	1.0	6.1	Not Detected	Not Detected
1,4-Dichlorobenzene	1.0	6.1	Not Detected	Not Detected
alpha-Chlorotoluene	1.0	5.3	Not Detected	Not Detected
1,2-Dichlorobenzene	1.0	6.1	Not Detected	Not Detected
1,3-Butadiene	1.0	2.2	Not Detected	Not Detected
Hexane	1.0	3.6	Not Detected	Not Detected
Cyclohexane	1.0	3.5	1.2	4.3
Heptane	1.0	4.2	1.6	6.5
Bromodichloromethane	1.0	6.8	1.4	9.7
Dibromochloromethane	1.0	8.6	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: VE04-INN-017-001

ID#: 0309301-01A

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

File Name:	s091909	Date of Collection:	9/16/03
Dil. Factor:	2.00	Date of Analysis:	9/19/03 03:03 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	1.0	5.0	Not Detected	Not Detected
Propylbenzene	1.0	5.0	Not Detected	Not Detected
Chloromethane	4.0	8.4	Not Detected	Not Detected
1,2,4-Trichlorobenzene	4.0	30	Not Detected	Not Detected
Hexachlorobutadiene	4.0	43	Not Detected	Not Detected
Acetone	4.0	9.6	120	290
Carbon Disulfide	4.0	13	4.8	15
2-Propanol	4.0	10	14	36
trans-1,2-Dichloroethene	4.0	16	Not Detected	Not Detected
Vinyl Acetate	4.0	14	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.0	12	49	140
Tetrahydrofuran	4.0	12	Not Detected	Not Detected
1,4-Dioxane	4.0	15	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	4.0	17	Not Detected	Not Detected
2-Hexanone	4.0	17	Not Detected	Not Detected
Bromoform	4.0	42	Not Detected	Not Detected
4-Ethyltoluene	4.0	20	Not Detected	Not Detected
Methyl tert-butyl ether	4.0	15	Not Detected	Not Detected
Ethanol	4.0	7.7	Not Detected	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: VE04-EFF-017-002

ID#: 0309301-02A

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

File Name:	s091913	Date of Collection:	9/16/03
Dil. Factor:	1.00	Date of Analysis:	9/19/03 06:01 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	13	65
Freon 114	0.50	3.6	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	2.1	5.5
Freon 11	0.50	2.8	20	110
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	21	160
Methylene Chloride	0.50	1.8	0.77	2.7
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	3.1	12
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
alpha-Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,3-Butadiene	0.50	1.1	Not Detected	Not Detected
Hexane	0.50	1.8	Not Detected	Not Detected
Cyclohexane	0.50	1.7	Not Detected	Not Detected
Heptane	0.50	2.1	0.52	2.2
Bromodichloromethane	0.50	3.4	Not Detected	Not Detected
Dibromochloromethane	0.50	4.3	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: VE04-EFF-017-002

ID#: 0309301-02A

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

File Name:	s091913	Date of Collection:	9/16/03
Dil. Factor:	1.00	Date of Analysis:	9/19/03 06:01 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	0.50	2.5	Not Detected	Not Detected
Propylbenzene	0.50	2.5	Not Detected	Not Detected
Chloromethane	2.0	4.2	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.0	15	Not Detected	Not Detected
Hexachlorobutadiene	2.0	22	Not Detected	Not Detected
Acetone	2.0	4.8	40	98
Carbon Disulfide	2.0	6.3	5.5	17
2-Propanol	2.0	5.0	7.8	20
trans-1,2-Dichloroethene	2.0	8.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	17	50
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Methyl tert-butyl ether	2.0	7.3	Not Detected	Not Detected
Ethanol	2.0	3.8	3.4	6.4

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0309301-03A

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

File Name:	s091908a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/19/03 01:57 PM	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
alpha-Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,3-Butadiene	0.50	1.1	Not Detected	Not Detected
Hexane	0.50	1.8	Not Detected	Not Detected
Cyclohexane	0.50	1.7	Not Detected	Not Detected
Heptane	0.50	2.1	Not Detected	Not Detected
Bromodichloromethane	0.50	3.4	Not Detected	Not Detected
Dibromochloromethane	0.50	4.3	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0309301-03A

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

File Name:	s091908a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/19/03 01:57 PM	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	93	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0309301-04A

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

File Name:	s091902	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/19/03 09:31 AM	

Compound	%Recovery
Freon 12	82
Freon 114	94
Vinyl Chloride	84
Bromomethane	103
Chloroethane	81
Freon 11	87
1,1-Dichloroethene	87
Freon 113	88
Methylene Chloride	90
1,1-Dichloroethane	91
cis-1,2-Dichloroethene	90
Chloroform	86
1,1,1-Trichloroethane	93
Carbon Tetrachloride	101
Benzene	84
1,2-Dichloroethane	88
Trichloroethene	85
1,2-Dichloropropane	91
cis-1,3-Dichloropropene	97
Toluene	88
trans-1,3-Dichloropropene	98
1,1,2-Trichloroethane	88
Tetrachloroethene	91
1,2-Dibromoethane (EDB)	92
Chlorobenzene	90
Ethyl Benzene	89
m,p-Xylene	90
o-Xylene	88
Styrene	90
1,1,2,2-Tetrachloroethane	90
1,3,5-Trimethylbenzene	86
1,2,4-Trimethylbenzene	86
1,3-Dichlorobenzene	88
1,4-Dichlorobenzene	87
alpha-Chlorotoluene	90
1,2-Dichlorobenzene	88
1,3-Butadiene	90
Hexane	92
Cyclohexane	89
Heptane	93
Bromodichloromethane	93
Dibromochloromethane	99

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0309301-04A

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

File Name:	s091902	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/19/03 09:31 AM	

Compound	%Recovery
Cumene	86
Propylbenzene	90
Chloromethane	80
1,2,4-Trichlorobenzene	92
Hexachlorobutadiene	93
Acetone	94
Carbon Disulfide	91
2-Propanol	97
trans-1,2-Dichloroethene	91
Vinyl Acetate	92
2-Butanone (Methyl Ethyl Ketone)	98
Tetrahydrofuran	95
1,4-Dioxane	91
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	97
2-Hexanone	102
Bromoform	96
4-Ethyltoluene	91
Methyl tert-butyl ether	84
Ethanol	83

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0309301-05A

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

File Name:	s091903a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/19/03 10:30 AM	

Compound	%Recovery
Freon 12	87
Freon 114	101
Vinyl Chloride	92
Bromomethane	84
Chloroethane	87
Freon 11	86
1,1-Dichloroethene	88
Freon 113	86
Methylene Chloride	89
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	92
Chloroform	85
1,1,1-Trichloroethane	82
Carbon Tetrachloride	98
Benzene	91
1,2-Dichloroethane	91
Trichloroethene	94
1,2-Dichloropropane	90
cis-1,3-Dichloropropene	95
Toluene	90
trans-1,3-Dichloropropene	96
1,1,2-Trichloroethane	91
Tetrachloroethene	99
1,2-Dibromoethane (EDB)	84
Chlorobenzene	90
Ethyl Benzene	87
m,p-Xylene	84
o-Xylene	79
Styrene	92
1,1,2,2-Tetrachloroethane	83
1,3,5-Trimethylbenzene	73
1,2,4-Trimethylbenzene	71
1,3-Dichlorobenzene	84
1,4-Dichlorobenzene	78
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	80
1,3-Butadiene	101
Hexane	89
Cyclohexane	86
Heptane	86
Bromodichloromethane	86
Dibromochloromethane	93

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0309301-05A

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

File Name:	s091903a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/19/03 10:30 AM	

Compound	%Recovery
Cumene	88
Propylbenzene	67
Chloromethane	85
1,2,4-Trichlorobenzene	73
Hexachlorobutadiene	76
Acetone	91
Carbon Disulfide	89
2-Propanol	92
trans-1,2-Dichloroethene	93
Vinyl Acetate	74
2-Butanone (Methyl Ethyl Ketone)	94
Tetrahydrofuran	94
1,4-Dioxane	92
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	91
2-Hexanone	91
Bromoform	81
4-Ethyltoluene	72
Methyl tert-butyl ether	69
Ethanol	89

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCSD

ID#: 0309301-05AA

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

File Name:	s091906a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/19/03 12:38 PM	

Compound	%Recovery
Freon 12	87
Freon 114	103
Vinyl Chloride	89
Bromomethane	88
Chloroethane	83
Freon 11	87
1,1-Dichloroethene	89
Freon 113	86
Methylene Chloride	88
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	92
Chloroform	86
1,1,1-Trichloroethane	83
Carbon Tetrachloride	98
Benzene	90
1,2-Dichloroethane	90
Trichloroethene	92
1,2-Dichloropropane	89
cis-1,3-Dichloropropene	95
Toluene	89
trans-1,3-Dichloropropene	94
1,1,2-Trichloroethane	90
Tetrachloroethene	94
1,2-Dibromoethane (EDB)	84
Chlorobenzene	89
Ethyl Benzene	86
m,p-Xylene	82
o-Xylene	80
Styrene	92
1,1,2,2-Tetrachloroethane	83
1,3,5-Trimethylbenzene	74
1,2,4-Trimethylbenzene	70
1,3-Dichlorobenzene	82
1,4-Dichlorobenzene	78
alpha-Chlorotoluene	96
1,2-Dichlorobenzene	80
1,3-Butadiene	102
Hexane	89
Cyclohexane	86
Heptane	85
Bromodichloromethane	85
Dibromochloromethane	91

AIR TOXICS LTD.

SAMPLE NAME: LCSD

ID#: 0309301-05AA

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

File Name:	s091906a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/19/03 12:38 PM	

Compound	%Recovery
Cumene	88
Propylbenzene	67
Chloromethane	88
1,2,4-Trichlorobenzene	72
Hexachlorobutadiene	75
Acetone	93
Carbon Disulfide	89
2-Propanol	92
trans-1,2-Dichloroethene	94
Vinyl Acetate	76
2-Butanone (Methyl Ethyl Ketone)	94
Tetrahydrofuran	93
1,4-Dioxane	88
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	90
2-Hexanone	88
Bromoform	79
4-Ethyltoluene	71
Methyl tert-butyl ether	69
Ethanol	84

Container Type: NA - Not Applicable

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

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0309559

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:	9/30/03	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	10/13/03		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VE04-INN-019-001	Modified TO-14A	Tedlar Bag
01B	VE04-INN-019-001	Modified TO-14A	Tedlar Bag
02A	VE04-EFF-019-002	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 L. Freeman

Laboratory Director

DATE: 10/13/03

Certfication numbers: AR DEQ, 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

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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# 0309559

Two 1 Liter Tedlar Bag samples were received on September 30, 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

Due to a high-level target compound, sample VE04-INN-019-001 was analyzed twice. In the "A" fraction, the sample was diluted to bring the highest-level compound within the calibration range. The "B" fraction is also reported by client request and may be reported with "E" flags indicating the compound exceeds the calibration range. Both runs and associated QC are reported.

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

0309559

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 VE04	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: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 180 BLUE RAVINE ROAD #B		ADDRESS: 22632 GOLDEN SPRINGS RD #270
PROJECT ADDRESS: 4800 OAK GROVE 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	VE04-INN-019-001	AIR	9/24/03	1110	NONE	1*	3	NORM	X								1* L TEDLAR BAG SCREEN - INFLUENT
02A 2	VE04-EFF-019-002	AIR	9/24/03	1115	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 8385-7521-6995
COOLER TEMPERATURE UPON RECEIPT: N/A

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	Laura R. Thomas AR	9/30/03	930	Good

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

AIR TOXICS LTD.

SAMPLE NAME: VE04-INN-019-001

ID#: 0309559-01A

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

File Name:	b093017	Date of Collection:	9/29/03
Dil. Factor:	1.33	Date of Analysis:	9/30/03 05:58 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.66	3.3	12	61
Freon 114	0.66	4.7	Not Detected	Not Detected
Vinyl Chloride	0.66	1.7	Not Detected	Not Detected
Bromomethane	0.66	2.6	Not Detected	Not Detected
Chloroethane	0.66	1.8	Not Detected	Not Detected
Freon 11	0.66	3.8	30	170
1,1-Dichloroethene	0.66	2.7	4.8	19
Freon 113	0.66	5.2	30	230
Methylene Chloride	0.66	2.3	0.67	2.4
1,1-Dichloroethane	0.66	2.7	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.66	2.7	1.1	4.6
Chloroform	0.66	3.3	35	170
1,1,1-Trichloroethane	0.66	3.7	2.0	11
Carbon Tetrachloride	0.66	4.2	28	180
Benzene	0.66	2.2	Not Detected	Not Detected
1,2-Dichloroethane	0.66	2.7	Not Detected	Not Detected
Trichloroethene	0.66	3.6	230	1300
1,2-Dichloropropane	0.66	3.1	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.66	3.1	Not Detected	Not Detected
Toluene	0.66	2.5	2.9	11
trans-1,3-Dichloropropene	0.66	3.1	Not Detected	Not Detected
1,1,2-Trichloroethane	0.66	3.7	Not Detected	Not Detected
Tetrachloroethene	0.66	4.6	15	110
1,2-Dibromoethane (EDB)	0.66	5.2	Not Detected	Not Detected
Chlorobenzene	0.66	3.1	Not Detected	Not Detected
Ethyl Benzene	0.66	2.9	Not Detected	Not Detected
m,p-Xylene	0.66	2.9	Not Detected	Not Detected
o-Xylene	0.66	2.9	Not Detected	Not Detected
Styrene	0.66	2.9	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.66	4.6	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.66	3.3	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.66	3.3	Not Detected	Not Detected
1,3-Dichlorobenzene	0.66	4.1	Not Detected	Not Detected
1,4-Dichlorobenzene	0.66	4.1	Not Detected	Not Detected
alpha-Chlorotoluene	0.66	3.5	Not Detected	Not Detected
1,2-Dichlorobenzene	0.66	4.1	Not Detected	Not Detected
1,3-Butadiene	0.66	1.5	Not Detected	Not Detected
Hexane	0.66	2.4	Not Detected	Not Detected
Cyclohexane	0.66	2.3	Not Detected	Not Detected
Heptane	0.66	2.8	2.4	9.9
Bromodichloromethane	0.66	4.5	1.8	12
Dibromochloromethane	0.66	5.8	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: VE04-INN-019-001

ID#: 0309559-01A

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

File Name:	b093017	Date of Collection:	9/29/03
Dil. Factor:	1.33	Date of Analysis:	9/30/03 05:58 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	0.66	3.3	Not Detected	Not Detected
Propylbenzene	0.66	3.3	Not Detected	Not Detected
Chloromethane	2.7	5.6	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.7	20	Not Detected	Not Detected
Hexachlorobutadiene	2.7	29	Not Detected	Not Detected
Acetone	2.7	6.4	170	420
Carbon Disulfide	2.7	8.4	Not Detected	Not Detected
2-Propanol	2.7	6.6	23	57
trans-1,2-Dichloroethene	2.7	11	Not Detected	Not Detected
Vinyl Acetate	2.7	9.5	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.7	8.0	71	210
Tetrahydrofuran	2.7	8.0	Not Detected	Not Detected
1,4-Dioxane	2.7	9.7	Not Detected	Not Detected
4-Methyl-2-pentanone	2.7	11	Not Detected	Not Detected
2-Hexanone	2.7	11	Not Detected	Not Detected
Bromoform	2.7	28	Not Detected	Not Detected
4-Ethyltoluene	2.7	13	Not Detected	Not Detected
Methyl tert-butyl ether	2.7	9.7	Not Detected	Not Detected
Ethanol	2.7	5.1	8.3	16

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	92	70-130

AIR TOXICS LTD.

SAMPLE NAME: VE04-INN-019-001

ID#: 0309559-01B

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

File Name:	b093016	Date of Collection:	9/29/03
Dil. Factor:	1.00	Date of Analysis:	9/30/03 05:12 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	12	60
Freon 114	0.50	3.6	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	33	190
1,1-Dichloroethene	0.50	2.0	4.8	19
Freon 113	0.50	3.9	30	240
Methylene Chloride	0.50	1.8	0.58	2.1
1,1-Dichloroethane	0.50	2.0	0.61	2.5
cis-1,2-Dichloroethene	0.50	2.0	1.1	4.4
Chloroform	0.50	2.5	37	180
1,1,1-Trichloroethane	0.50	2.8	2.2	12
Carbon Tetrachloride	0.50	3.2	31	200
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	250 E	1400 E
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	3.2	12
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	15	100
1,2-Dibromoethane (EDB)	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	0.63	2.8
o-Xylene	0.50	2.2	0.63	2.8
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
alpha-Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,3-Butadiene	0.50	1.1	Not Detected	Not Detected
Hexane	0.50	1.8	0.54	1.9
Cyclohexane	0.50	1.7	Not Detected	Not Detected
Heptane	0.50	2.1	2.2	9.3
Bromodichloromethane	0.50	3.4	1.9	13
Dibromochloromethane	0.50	4.3	Not Detected	Not Detected