APPENDIX B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

DECEMBER 2001

12/28/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1121805-01/02

Enclosed are results for sample(s) received 12/18/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A1121805

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's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LED W. WILLIAMSON	909-396-7662	909-396-1455		JOAN DE LA OSSA	GEOFON INC.

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
TPL #1	TPL VEI	04-4304.480	626-964-4032	626-964-5832	LED W. WILLIAMSON

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
LED W. WILLIAMSON	714-920-8438	N/A	18501 E. GALE AVE #130	22632 GOLDEN SPRINGS DR #270

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
4800 OAKGROVE DR	PASADENA CA	US NAVY SWDIV	CITY OF INDUSTRY CA 91748	DIAMOND BAR CA 91765

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
ASRAR 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
1	T4-VEI-C-1-01	AIR	12-18-01	1055	NONE	1*	3	NORM	X								1* L TEDLAR BAG SCREEN C.
2	T4-VEI-EFF-1-02	AIR	12-18-01	1100	NONE	1*	3	NORM	X								EFFULENT SCREEN.
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
[signature]	[signature]	12-18-01	13:21		

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/18/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A1121805-01		A1121805-02							
Client Sample I.D.:		T4-VE1-C-1-01		T4-VE1-EFF-1-02							
Date Sampled:		12/18/01		12/18/01							
Date Analyzed:		12/19/01		12/19/01							
QC Batch No:		011219MS2A1		011219MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		1.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	3.0	1.0	ND	1.0						
Chloromethane	2.0	ND	2.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0						
Vinyl Chloride	1.0	ND	1.0	ND	1.0						
Bromomethane	1.0	ND	1.0	ND	1.0						
Chloroethane	1.0	ND	1.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	68	1.0	6.7	1.0						
1,1-Dichloroethene	1.0	23	1.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	30	1.0	ND	1.0						
Methylene Chloride	1.0	ND	1.0	ND	1.0						
1,1-Dichloroethane	1.0	1.2	1.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0						
Chloroform	1.0	93	1.0	ND	1.0						
1,1,1-Trichloroethane	1.0	4.1	1.0	ND	1.0						
Carbon Tetrachloride	1.0	175	1.0	ND	1.0						
Benzene	1.0	ND	1.0	2.7	1.0						
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0						
Trichloroethene	1.0	98	1.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0						
Toluene	1.0	101	1.0	4.4	1.0						
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0						
Tetrachloroethene	1.0	10	1.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0						
Chlorobenzene	1.0	ND	1.0	ND	1.0						
Ethylbenzene	1.0	ND	1.0	ND	1.0						
p,&m-Xylene	1.0	1.2	1.0	ND	1.0						
o-Xylene	1.0	ND	1.0	ND	1.0						
Styrene	1.0	ND	1.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	2.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Mark Johnson
Air Toxics Operations Manager

Date 12-27-01

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011219MS2A1

Matrix: Air

EPA Method TO14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/19/01		12/19/01		12/19/01						
Data File ID:	19DEC005.D		19DEC003.D		19DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.5	85	8.0	80	6.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.2	92	8.9	89	3.5	70	130	30	Pass
Trichloroethene	0.0	10.0	8.0	80	7.6	76	5.4	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	0.9	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.2	82	3.1	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson
Air Toxics Operations Manager

Date: 12-27-01

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

12/28/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1121903-01/02

Enclosed are results for sample(s) received 12/19/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A1121903

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's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LED. W. WILLIAMSON	909-396-7662	909-396-1455		JOAN DE LA OSSA	GEOFON INC
PROJECT NAME: TPL #1	PROJECT LOCATION: TPL VEI	PROJECT NUMBER: 04-4304-480	LABORATORY PHONE: 626-964-4032	LABORATORY FAX: 626-964-5832	RECIPIENT NAME: LED W. WILLIAMSON
PROJECT CONTACT: LED W. WILLIAMSON	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 18501 E. GALE AVE #130		ADDRESS: 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS: 4800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: CITY OF INDUSTRY CA 91748		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
1	T4-VEI-C-1-03	AIR	12-19-01	1040	NONE	1*	3	NORM	X								*1 L TEDLAR BAG SCREEN C
2	T4-VEI-EFF-1-04	AIR	12-19-01	1045	NONE	1*	3	NORM	X								SCREEN EFFLUENT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: Tony Mohammed

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony Mohammed	Mark Sm	12-19-0	13:00	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/19/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A1121903-01		A1121903-02							
Client Sample I.D.:		T4-VE1-C-1-03		T4-VE1-EFF-1-04							
Date Sampled:		12/19/01		12/19/01							
Date Analyzed:		12/19/01		12/19/01							
QC Batch No:		011219MS2A1		011219MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		1.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	1.9	1.0	2.8	1.0						
Chloromethane	2.0	ND	2.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0						
Vinyl Chloride	1.0	ND	1.0	ND	1.0						
Bromomethane	1.0	ND	1.0	ND	1.0						
Chloroethane	1.0	ND	1.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	61	1.0	20	1.0						
1,1-Dichloroethene	1.0	34	1.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	43	1.0	2.4	1.0						
Methylene Chloride	1.0	ND	1.0	ND	1.0						
1,1-Dichloroethane	1.0	1.5	1.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0						
Chloroform	1.0	99	1.0	ND	1.0						
1,1,1-Trichloroethane	1.0	5.7	1.0	ND	1.0						
Carbon Tetrachloride	1.0	215	1.0	ND	1.0						
Benzene	1.0	ND	1.0	2.4	1.0						
1,2-Dichloroethane	1.0	1.2	1.0	ND	1.0						
Trichloroethene	1.0	112	1.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0						
Toluene	1.0	35	1.0	3.9	1.0						
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0						
Tetrachloroethene	1.0	13	1.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0						
Chlorobenzene	1.0	ND	1.0	ND	1.0						
Ethylbenzene	1.0	ND	1.0	ND	1.0						
p,&m-Xylene	1.0	1.3	1.0	ND	1.0						
o-Xylene	1.0	ND	1.0	ND	1.0						
Styrene	1.0	ND	1.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	2.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Mark Johnson
Air Toxics Operations Manager

Date 12-27-01

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011219MS2A1

Matrix: Air

EPA Method TO14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/19/01		12/19/01		12/19/01						
Data File ID:	19DEC005.D		19DEC003.D		19DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.5	85	8.0	80	6.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.2	92	8.9	89	3.5	70	130	30	Pass
Trichloroethene	0.0	10.0	8.0	80	7.6	76	5.4	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	0.9	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.2	82	3.1	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date: 12-27-01

The cover letter is an integral part of this analytical report

12/28/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1122002-01/02

Enclosed are results for sample(s) received 12/20/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A1122002

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's LAB COORDINATOR: LEO W. WILLIAMSON	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID:	LABORATORY CONTACT: JOAN DE LA OSSA	MAIL REPORT (COMPANY NAME): GEOFON INC
PROJECT NAME: JPL #1	PROJECT LOCATION: JPL VE1	PROJECT NUMBER: 04-4304.480	LABORATORY PHONE: 626-964-4032	LABORATORY FAX: 626-964-5832	RECIPIENT NAME: LEO W. WILLIAMSON
PROJECT CONTACT: LEO W. WILLIAMSON	PROJECT PHONE NUMBER: 719-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 18501 E. GALE AVE #130		ADDRESS: 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS: 4800 OAKGROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: CITY OF INDUSTRY CA 91748		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
1	T4-VE1-C-1-05	AIR	12-20-01		NONE	1*	3	NORM	X								*1 L TEDLAR BAG SCREEN-C.
2	T4-VE1-~~EFF~~ 1-06	AIR	12-20-01		NONE	1*	3	NORM	X								SCREEN-EFFLUENT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	12-20-01	13:25	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/20/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A1122002-01		A1122002-02							
Client Sample I.D.:		T4-VE1-C-1-05		T4-VE1-EFF-1-06							
Date Sampled:		12/20/01		12/20/01							
Date Analyzed:		12/21/01		12/21/01							
QC Batch No:		011221MS2A1		011221MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		1.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	1.7	1.0	3.1	1.0						
Chloromethane	2.0	ND	2.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0						
Vinyl Chloride	1.0	ND	1.0	ND	1.0						
Bromomethane	1.0	ND	1.0	ND	1.0						
Chloroethane	1.0	ND	1.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	56	1.0	23	1.0						
1,1-Dichloroethene	1.0	43	1.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	47	1.0	3.3	1.0						
Methylene Chloride	1.0	ND	1.0	ND	1.0						
1,1-Dichloroethane	1.0	1.8	1.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0						
Chloroform	1.0	115	1.0	ND	1.0						
1,1,1-Trichloroethane	1.0	7.3	1.0	ND	1.0						
Carbon Tetrachloride	1.0	249	1.0	ND	1.0						
Benzene	1.0	ND	1.0	1.7	1.0						
1,2-Dichloroethane	1.0	1.4	1.0	ND	1.0						
Trichloroethene	1.0	135	1.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0						
Toluene	1.0	22	1.0	2.5	1.0						
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0						
Tetrachloroethene	1.0	19	1.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0						
Chlorobenzene	1.0	ND	1.0	ND	1.0						
Ethylbenzene	1.0	ND	1.0	ND	1.0						
p,&m-Xylene	1.0	1.1	1.0	ND	1.0						
o-Xylene	1.0	ND	1.0	ND	1.0						
Styrene	1.0	ND	1.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	2.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Mark Johnson
Air Toxics Operations Manager

Date 12-27-01

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011221MS2A1

Matrix: Air

EPA Method TO14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/21/01		12/21/01		12/21/01						
Data File ID:	21DEC005.D		21DEC003.D		21DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	1.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.8	98	9.8	98	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.9	79	0.1	70	130	30	Pass
Toluene	0.0	10.0	8.3	83	8.3	83	0.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.3	83	1.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson
Air Toxics Operations Manager

Date: 12-27-01

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

12/28/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1122101-01/02

Enclosed are results for sample(s) received 12/21/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A1122101

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's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LEO W. WILLIAMSON	909-396-7662	909-396-1455		JOAN DE LA OSSA	GEOFON INC

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
JPL #1	JPL VEI	04-4304.480	626-964-4032	626-964-5832	LEO W. WILLIAMSON

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
LEO W. WILLIAMSON	714-920-8438	N/A	18501 E. GALE AVE #130	22632 GOLDEN SPRINGS DR #270

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
1800 OAK GROVE DR.	PASADENA CA	US NAVY SWDIV	CITY OF INDUSTRY CA 91748	DIAMOND BAR CA 91765

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
ALAN PATERSON	909-396-7662	909-396-1455

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: TO-14								Comments
1	T4-VEI-C-1-07	AIR	12-21-01	1030	NONE	1*	3	NORM	X								*1 L TEDLAR BAG SCREEN C
2	T4-VEI-EFF-1-08	AIR	12-21-01	1035	NONE	1*	3	NORM	X								SCREEN EFFLUENT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: Tony Mohammad

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony Mohammad	Mark Dm	12-22-01	12:42	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/21/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A1122101-01		A1122101-02							
Client Sample I.D.:		T4-VE1-C-1-07		T4-VE1-EFF-1-08							
Date Sampled:		12/21/01		12/21/01							
Date Analyzed:		12/21/01		12/21/01							
QC Batch No:		011221MS2A1		011221MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		2.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	ND	2.0	3.1	1.0						
Chloromethane	2.0	ND	4.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0						
Vinyl Chloride	1.0	ND	2.0	ND	1.0						
Bromomethane	1.0	ND	2.0	ND	1.0						
Chloroethane	1.0	ND	2.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	55	2.0	26	1.0						
1,1-Dichloroethene	1.0	42	2.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	51	2.0	5.0	1.0						
Methylene Chloride	1.0	ND	2.0	ND	1.0						
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0						
Chloroform	1.0	120	2.0	ND	1.0						
1,1,1-Trichloroethane	1.0	8.4	2.0	ND	1.0						
Carbon Tetrachloride	1.0	281	2.0	ND	1.0						
Benzene	1.0	ND	2.0	1.4	1.0						
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0						
Trichloroethene	1.0	134	2.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
Toluene	1.0	7.7	2.0	1.9	1.0						
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0						
Tetrachloroethene	1.0	27	2.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0						
Chlorobenzene	1.0	ND	2.0	ND	1.0						
Ethylbenzene	1.0	ND	2.0	ND	1.0						
p,&m-Xylene	1.0	4.7	2.0	ND	1.0						
o-Xylene	1.0	2.5	2.0	ND	1.0						
Styrene	1.0	ND	2.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date 12-27-01

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011221MS2A1

Matrix: Air

EPA Method TO14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/21/01		12/21/01		12/21/01						
Data File ID:	21DEC005.D		21DEC003.D		21DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	1.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.8	98	9.8	98	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.9	79	0.1	70	130	30	Pass
Toluene	0.0	10.0	8.3	83	8.3	83	0.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.3	83	1.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson
Air Toxics Operations Manager

Date: 12-27-01

The cover letter is an integral part of this analytical report

12/31/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1122402-01/02

Enclosed are results for sample(s) received 12/24/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/31/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A1122402

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's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LEO W. WILLIAMSON	909-396-7662	909-396-1455		JOAN DE LA OSSA	GEOFON INC
PROJECT NAME: JPL #1	PROJECT LOCATION: JPL VEI	PROJECT NUMBER: 04-4304.480	LABORATORY PHONE: 626-964-4032	LABORATORY FAX: 626-964-5832	RECIPIENT NAME: LEO W. WILLIAMSON
PROJECT CONTACT: LEO W. WILLIAMSON	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 18501 E. GALE AVE #130		ADDRESS: 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS: 4800 OAKGROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: CITY OF INDUSTRY CA 91748		CITY, STATE AND ZIPCODE: DIAMOND BAR CA 91765
PROJECT MANAGER: ASAR FATHEEM	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
1	T4-VEI-B-2-01	AIR	12-24-01	0935	NONE	1*	3	NORM	X								*1 L TEDLAR BAG SCREEN — B
2	T4-VEI-EFF-2-02	AIR	12-24-01	0940	NONE	1*	3	NORM	X								SCREEN — EFFLUENT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME		SAMPLE'S CONDITION UPON RECEIPT
[signature]	Cayala	12/24/01	11:15		

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/24/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A1122402-01		A1122402-02							
Client Sample I.D.:		T4-VE1-B-2-01		T4-VE1-EFF-2-02							
Date Sampled:		12/24/01		12/24/01							
Date Analyzed:		12/26/01		12/26/01							
QC Batch No:		011226MS2A1		011226MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		1.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	14	1.0	2.5	1.0						
Chloromethane	2.0	ND	2.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0						
Vinyl Chloride	1.0	ND	1.0	ND	1.0						
Bromomethane	1.0	ND	1.0	ND	1.0						
Chloroethane	1.0	ND	1.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	3.3	1.0	95	1.0						
1,1-Dichloroethene	1.0	6.1	1.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	8.9	1.0	66	1.0						
Methylene Chloride	1.0	1.7	1.0	ND	1.0						
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0						
Chloroform	1.0	176	1.0	ND	1.0						
1,1,1-Trichloroethane	1.0	4.2	1.0	ND	1.0						
Carbon Tetrachloride	1.0	184	1.0	ND	1.0						
Benzene	1.0	ND	1.0	1.6	1.0						
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0						
Trichloroethene	1.0	15	1.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0						
Toluene	1.0	113	1.0	4.7	1.0						
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0						
Tetrachloroethene	1.0	3.2	1.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0						
Chlorobenzene	1.0	ND	1.0	ND	1.0						
Ethylbenzene	1.0	ND	1.0	ND	1.0						
p,&m-Xylene	1.0	ND	1.0	ND	1.0						
o-Xylene	1.0	ND	1.0	ND	1.0						
Styrene	1.0	ND	1.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	2.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date 12-31-01

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011226MS2A1

Matrix: Air

EPA Method TO14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/26/01		12/26/01		12/26/01						
Data File ID:	26DEC005.D		26DEC003.D		26DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.8	88	8.6	86	2.8	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.5	95	1.1	70	130	30	Pass
Trichloroethene	0.0	10.0	8.2	82	8.0	80	2.6	70	130	30	Pass
Toluene	0.0	10.0	8.5	85	8.4	84	1.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.8	88	2.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date: 12-31-01

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

12/31/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A122602-01/02

Enclosed are results for sample(s) received 12/26/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/31/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A1122602

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's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LEO W. WILLIAMSON	909-396-7662	909-396-1455		JOAN DE LA OSSA	GEOFON INC

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
JPL #1	JPL VE1	04-4304.480	626-964-4032	626-964-5832	LEO W. WILLIAMSON

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
LEO W. WILLIAMSON	714-920-8438	N/A	18501 E. GALE AVE #130	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	US NAVY SUBDIV	CITY OF INDUSTRY CA 91748	DIAMOND BAR CA 91765

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
ASRAR 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
1	T4-VE1-B-2-03	AIR	12-26-01	1055	NONE	1*	3	NORM	X								*1 L TEDLAR BAG SCREEN-B
2	T4-VE1-EFF-2-04	AIR	12-26-01	1100	NONE	1*	3	NORM	X								SCREEN-EFFLUENT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	12/26/01	1305	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/26/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A1122602-01		A1122602-02							
Client Sample I.D.:		T4-VE1-B-2-03		T4-VE1-EFF-2-04							
Date Sampled:		12/26/01		12/26/01							
Date Analyzed:		12/26/01		12/26/01							
QC Batch No:		011226MS2A1		011226MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		2.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	6.4	2.0	8.1	1.0						
Chloromethane	2.0	ND	4.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0						
Vinyl Chloride	1.0	ND	2.0	ND	1.0						
Bromomethane	1.0	ND	2.0	ND	1.0						
Chloroethane	1.0	ND	2.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	19	2.0	141	1.0						
1,1-Dichloroethene	1.0	46	2.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	57	2.0	153	1.0						
Methylene Chloride	1.0	ND	2.0	1.3	1.0						
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0						
Chloroform	1.0	147	2.0	ND	1.0						
1,1,1-Trichloroethane	1.0	14	2.0	ND	1.0						
Carbon Tetrachloride	1.0	271	2.0	ND	1.0						
Benzene	1.0	ND	2.0	3.6	1.0						
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0						
Trichloroethene	1.0	70	2.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
Toluene	1.0	129	2.0	4.6	1.0						
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0						
Tetrachloroethene	1.0	13	2.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0						
Chlorobenzene	1.0	ND	2.0	ND	1.0						
Ethylbenzene	1.0	ND	2.0	ND	1.0						
p,&m-Xylene	1.0	2.3	2.0	ND	1.0						
o-Xylene	1.0	ND	2.0	ND	1.0						
Styrene	1.0	ND	2.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date 12-31-01

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011226MS2A1

Matrix: Air

EPA Method TO14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/26/01		12/26/01		12/26/01						
Data File ID:	26DEC005.D		26DEC003.D		26DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.8	88	8.6	86	2.8	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.5	95	1.1	70	130	30	Pass
Trichloroethene	0.0	10.0	8.2	82	8.0	80	2.6	70	130	30	Pass
Toluene	0.0	10.0	8.5	85	8.4	84	1.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.8	88	2.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson
Air Toxics Operations Manager

Date: 12-31-01

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

01/04/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1122702-01/02

Enclosed are results for sample(s) received 12/27/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A1122702

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's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
ED W. WILLIAMSON	909-396-7662	909-396-1455		JOAN DE LA OSSA	GEOFON INC

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
JPL #1	JPL VEI	04-4304.480	626-964-4032	626-964-5832	ED W. WILLIAMSON

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
ED W. WILLIAMSON	714-920-8438	N/A	18501 E. GALE AVE #130	22632 GOLDEN SPRINGS DR #270

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
4800 OAKGROVE DR	PASADENA CA	US NAVY SWDIV	CITY OF INDUSTRY CA 91748	DIAMOND BAR CA 91765

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
KRAR 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
1	T4-VEI-B-2-05	AIR	12-27-01	1025	NONE	1*	3	NORM	X								*1 L TEDLAR BAG SCREEN - B
2	T4-VEI-EFF-2-06	AIR	12-27-01	1030	NONE	1*	3	NORM	X								SCREEN - EFFLUENT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: Tony [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony [signature]	[signature]	12-27-01	13:45	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/27/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A1122702-01		A1122702-02							
Client Sample I.D.:		T4-VE1-B-2-05		T4-VE1-EFF-2-06							
Date Sampled:		12/27/01		12/27/01							
Date Analyzed:		12/28/01		12/28/01							
QC Batch No:		011228MS2A1		011228MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		2.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	5.4	2.0	2.5	1.0						
Chloromethane	2.0	ND	4.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0						
Vinyl Chloride	1.0	ND	2.0	ND	1.0						
Bromomethane	1.0	ND	2.0	ND	1.0						
Chloroethane	1.0	ND	2.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	23	2.0	160	1.0						
1,1-Dichloroethene	1.0	59	2.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	71	2.0	182	1.0						
Methylene Chloride	1.0	ND	2.0	1.4	1.0						
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0						
Chloroform	1.0	150	2.0	ND	1.0						
1,1,1-Trichloroethane	1.0	16	2.0	ND	1.0						
Carbon Tetrachloride	1.0	313	2.0	ND	1.0						
Benzene	1.0	ND	2.0	1.9	1.0						
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0						
Trichloroethene	1.0	73	2.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
Toluene	1.0	75	2.0	3.4	1.0						
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0						
Tetrachloroethene	1.0	18	2.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0						
Chlorobenzene	1.0	ND	2.0	ND	1.0						
Ethylbenzene	1.0	ND	2.0	ND	1.0						
p,&m-Xylene	1.0	ND	2.0	ND	1.0						
o-Xylene	1.0	ND	2.0	ND	1.0						
Styrene	1.0	ND	2.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date 1-4-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011228MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/28/01		12/28/01		12/28/01						
Data File ID:	28DEC005.D		28DEC003.D		28DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	0.5	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.4	94	1.5	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.8	78	2.2	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	1.6	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.4	84	2.3	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date: 1-4-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

01/04/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1122803-01/02

Enclosed are results for sample(s) received 12/28/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A1122803

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'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LEO W. WILLIAMSON	909-396-7662	909-396-1455		JOAN DELA OSSA	GEOFON INC

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
JPL #1	JPL VE1	04-4304.480	626-964-4032	626-964-5832	LEO W. WILLIAMSON

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
LEO W. WILLIAMSON	714-920-8438	N/A	18501 E. GALE AVE #130	22632 GOLDEN SPRINGS DR #270

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
4800 OAKGROVE DR	PASADENA CA	US NAVY SUDIV	CITY OF INDUSTRY CA 91748	DIAMOND BAR CA 91765

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
ASRAR 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
1	T4-VE1-B-2-07	AIR	12-28-01	1110	NONE	1*	3	NORM	X								*1 L TEDLAR BAG
2	T4-VE1-EFF-2-08	AIR	12-28-01	1115	NONE	1*	3	NORM	X								SCREEN — B SCREEN — EFFLUENT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: Tony

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony	Joan DelaOsa	12/28/01	1445	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/28/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A1122803-01		A1122803-02							
Client Sample I.D.:		T4-VE1-B-2-07		T4-VE1-EFF-2-08							
Date Sampled:		12/28/01		12/28/01							
Date Analyzed:		12/28/01		12/28/01							
QC Batch No:		011228MS2A1		011228MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		2.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	5.3	2.0	1.8	1.0						
Chloromethane	2.0	ND	4.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0						
Vinyl Chloride	1.0	ND	2.0	ND	1.0						
Bromomethane	1.0	ND	2.0	ND	1.0						
Chloroethane	1.0	ND	2.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	27	2.0	140	1.0						
1,1-Dichloroethene	1.0	69	2.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	79	2.0	211	1.0						
Methylene Chloride	1.0	ND	2.0	1.6	1.0						
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0						
Chloroform	1.0	164	2.0	ND	1.0						
1,1,1-Trichloroethane	1.0	17	2.0	ND	1.0						
Carbon Tetrachloride	1.0	353	2.0	ND	1.0						
Benzene	1.0	ND	2.0	ND	1.0						
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0						
Trichloroethene	1.0	85	2.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
Toluene	1.0	99	2.0	2.5	1.0						
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0						
Tetrachloroethene	1.0	17	2.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0						
Chlorobenzene	1.0	ND	2.0	ND	1.0						
Ethylbenzene	1.0	ND	2.0	ND	1.0						
p,&m-Xylene	1.0	ND	2.0	ND	1.0						
o-Xylene	1.0	ND	2.0	ND	1.0						
Styrene	1.0	ND	2.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date 1-4-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011228MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/28/01		12/28/01		12/28/01						
Data File ID:	28DEC005.D		28DEC003.D		28DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	0.5	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.4	94	1.5	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.8	78	2.2	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	1.6	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.4	84	2.3	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson
Air Toxics Operations Manager

Date: 1-4-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

01/09/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1123106-01/02

Enclosed are results for sample(s) received 12/31/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/08/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A1123106

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'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LED W WILLIAMSON	909-396-7662	909-396-1455		JOAN DE LA OSSA	GEOFON INC
PROJECT NAME: JPL #1	PROJECT LOCATION: JPL VEI	PROJECT NUMBER 04-4304.480	LABORATORY PHONE 626-964-4032	LABORATORY FAX 626-964-5832	RECIPIENT NAME LED W. WILLIAMSON
PROJECT CONTACT LED W. WILLIAMSON	PROJECT PHONE NUMBER 714-920-8438	PROJECT FAX N/A	LABORATORY ADDRESS 18501 E. GALE AVE #130		ADDRESS 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS 4800 OAKGROVE DR.	CITY, STATE AND ZIPCODE PASADENA CA	CLIENT US NAVY SWDIV	CITY, STATE AND ZIPCODE CITY OF INDUSTRY		CITY, STATE AND ZIPCODE DIAMOND BAR CA 91765
PROJECT MANAGER ASLAN FATHEEM	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
1	T4-VEI-A-3-01	AIR	12-31-01	0945	NONE	1*	3	NORM	X								*1 L TEDLAR BAG SCREEN - A
2	T4-VEI-EFF-3-02	AIR	12-31-01	0950	NONE	1*	3	NORM	X								SCREEN - EFFLUENT.
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	12/31/01	1135	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/31/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A1123106-01		A1123106-02							
Client Sample I.D.:		T4-VE1-A-3-01		T4-VE1-EFF-3-02							
Date Sampled:		12/31/01		12/31/01							
Date Analyzed:		12/31/01		12/31/01							
QC Batch No:		011231MS2A1		011231MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		4.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	ND	4.0	5.0	1.0						
Chloromethane	2.0	ND	8.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	1.0						
Vinyl Chloride	1.0	ND	4.0	ND	1.0						
Bromomethane	1.0	ND	4.0	ND	1.0						
Chloroethane	1.0	ND	4.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	ND	4.0	172	1.0						
1,1-Dichloroethene	1.0	33	4.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	16	4.0	240	1.0						
Methylene Chloride	1.0	ND	4.0	1.6	1.0						
1,1-Dichloroethane	1.0	ND	4.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	4.0	ND	1.0						
Chloroform	1.0	294	4.0	ND	1.0						
1,1,1-Trichloroethane	1.0	ND	4.0	ND	1.0						
Carbon Tetrachloride	1.0	676	4.0	ND	1.0						
Benzene	1.0	ND	4.0	1.0	1.0						
1,2-Dichloroethane	1.0	ND	4.0	ND	1.0						
Trichloroethene	1.0	7.0	4.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	4.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0						
Toluene	1.0	63	4.0	2.2	1.0						
t-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	4.0	ND	1.0						
Tetrachloroethene	1.0	18	4.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	4.0	ND	1.0						
Chlorobenzene	1.0	ND	4.0	ND	1.0						
Ethylbenzene	1.0	ND	4.0	ND	1.0						
p,&m-Xylene	1.0	18	4.0	ND	1.0						
o-Xylene	1.0	7.1	4.0	ND	1.0						
Styrene	1.0	ND	4.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	8.5	8.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	4.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	4.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	4.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	4.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Mark Johnson
Air Toxics Operations Manager

Date 1-8-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011231MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/31/01		12/31/01		12/31/01						
Data File ID:	31DEC006.D		31DEC004.D		31DEC005.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.6	86	8.4	84	2.6	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.4	94	9.3	93	0.9	70	130	30	Pass
Trichloroethene	0.0	10.0	7.8	78	7.7	77	1.0	70	130	30	Pass
Toluene	0.0	10.0	8.1	81	8.1	81	0.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.8	88	8.5	85	3.2	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson
Air Toxics Operations Manager

Date: 1-8-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

JANUARY 2002

01/10/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2010204-01/02

Enclosed are results for sample(s) received 1/02/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/09/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A2010204

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's LAB COORDINATOR: LEO W. WILLIAMSON	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID:	LABORATORY CONTACT: JOAN DE LA OSSA	MAIL REPORT (COMPANY NAME): GEOFON INC
PROJECT NAME: JPL #1	PROJECT LOCATION: JPL VE1	PROJECT NUMBER: 04-4304.480	LABORATORY PHONE: 626-964-4032	LABORATORY FAX: 626-964-5832	RECIPIENT NAME: LEO W. WILLIAMSON
PROJECT CONTACT: LEO W. WILLIAMSON	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 18501 E. GALE AVE #130		ADDRESS: 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS: 4800 OAKGROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: CITY OF INDUSTRY CA 91748		CITY, STATE AND ZIPCODE: DIAMOND BAR 91765
PROJECT MANAGER: ABRAR 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
1	T4-VE1-A-3-03	AIR	1-2-02	1045	NONE	1*	3	NORM	X								1* L TEDLAR BAG. SCREEN — A
2	T4-VE1-EFF-3-04	AIR	1-2-02	1050	NONE	1*	3	NORM	X								SCREEN — EFFLUENT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature] COURIER AND AIR BILL NUMBER: COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	Joan DeLaOssa	1/2/02	1350	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 01/02/02
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A2010204-01		A2010204-02							
Client Sample I.D.:		T4-VE1-A-3-03		T4-VE1-EFF-3-04							
Date Sampled:		01/02/02		01/02/02							
Date Analyzed:		01/04/02		01/04/02							
QC Batch No:		020104MS2A1		020104MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		4.0		1.0							
ANALYTE	**MDL**	**Result**	**RL**	**Result**	**RL**						
Dichlorodifluoromethane (12)	1.0	ND	4.0	4.3	1.0						
Chloromethane	2.0	ND	8.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	1.0						
Vinyl Chloride	1.0	ND	4.0	ND	1.0						
Bromomethane	1.0	ND	4.0	ND	1.0						
Chloroethane	1.0	ND	4.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	ND	4.0	149	1.0						
1,1-Dichloroethene	1.0	36	4.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	14	4.0	212	1.0						
Methylene Chloride	1.0	ND	4.0	1.5	1.0						
1,1-Dichloroethane	1.0	ND	4.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	4.0	ND	1.0						
Chloroform	1.0	317	4.0	ND	1.0						
1,1,1-Trichloroethane	1.0	ND	4.0	ND	1.0						
Carbon Tetrachloride	1.0	592	4.0	ND	1.0						
Benzene	1.0	ND	4.0	2.1	1.0						
1,2-Dichloroethane	1.0	ND	4.0	ND	1.0						
Trichloroethene	1.0	6.5	4.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	4.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0						
Toluene	1.0	41	4.0	2.7	1.0						
t-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	4.0	ND	1.0						
Tetrachloroethene	1.0	8.5	4.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	4.0	ND	1.0						
Chlorobenzene	1.0	ND	4.0	ND	1.0						
Ethylbenzene	1.0	ND	4.0	ND	1.0						
p,&m-Xylene	1.0	ND	4.0	ND	1.0						
o-Xylene	1.0	ND	4.0	ND	1.0						
Styrene	1.0	ND	4.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	8.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	4.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	4.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	4.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	4.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Mark Johnson
Air Toxics Operations Manager

Date 1-9-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020104MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	01/04/02		01/04/02		01/04/02						
Data File ID:	04JAN005.D		04JAN003.D		04JAN004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.1	81	8.2	82	1.6	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.1	91	9.1	91	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.6	76	7.3	73	4.0	70	130	30	Pass
Toluene	0.0	10.0	7.9	79	7.7	77	3.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.2	82	8.1	81	0.7	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date: 1-9-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

01/15/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2010706-01/08

Enclosed are results for sample(s) received 1/07/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/15/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A2010706

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's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LEO. W. WILLIAMSON	909-396-7662	909-396-1455		JOAN DE LA OSSA	GEOFON INC

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
JPL #1	JPL VEI	04-4304.480	626-964-4032	626-964-5832	LEO W. WILLIAMSON

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
LEO W. WILLIAMSON	714-920-8438	N/A	18501 E. GALE AVE #130	22632 GOLDENSPRING DR #270

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
4800 OAKGROVE DR	PASADENA CA	US NAVY SWDIV	CITY OF INDUSTRY CA 91748	DIAMOND BAR CA 91765

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
ASLAN 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
1	T4-VEI-B-4-01	AIR	1-7-02	1130	NONE	1*	3	NORM	X	1*L TEDLAR BAG SCREEN — B
2	T4-VEI-C-4-02			1135					X	SCREEN — C
3	T4-VEI-INN-4-03			1140					X	SCREEN — INFLUENT
4	T4-VEI-P1EFF-4-04			1145					X	SCREEN — PRIMARY 1 EFFLUENT
5	T4-VEI-P2EFF-4-05			1150					X	SCREEN — PRIMARY 2 EFFLUENT
6	T4-VEI-S1EFF-4-06			1155					X	SCREEN — SECONDARY 1 EFFLUENT
7	T4-VEI-S2EFF-4-07			1200					X	SCREEN — SECONDARY 2 EFFLUENT
8	T4-VEI-EFF-4-08			1205					X	SCREEN — EFFLUENT
9										
10										

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature] ATL	1/7/02	1350	INTACT

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 01/07/02
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A2010706-01		A2010706-02		A2010706-03		A2010706-04		A2010706-05	
Client Sample I.D.:		T4-VE1-B-4-01		T4-VE1-C-4-02		T4-VE1-INN-4-03		T4-VE1-P1EFF-4-04		T4-VE1-P2EFF-4-05	
Date Sampled:		01/07/02		01/07/02		01/07/02		01/07/02		01/07/02	
Date Analyzed:		01/08/02		01/08/02		01/08/02		01/08/02		01/08/02	
QC Batch No:		020108MS2A1		020108MS2A1		020108MS2A1		020108MS2A1		020108MS2A1	
Analyst Initials:		SC		SC		SC		SC		SC	
Dilution Factor:		2.0		1.0		2.0		2.0		4.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	4.9	2.0	1.5	1.0	ND	2.0	3.3	2.0	ND	4.0
Chloromethane	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Vinyl Chloride	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Bromomethane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Chloroethane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Trichlorofluoromethane (11)	1.0	34	2.0	54	1.0	42	2.0	72	2.0	53	4.0
1,1-Dichloroethene	1.0	94	2.0	22	1.0	50	2.0	96	2.0	134	4.0
1,1,2-Cl 1,2,2-F ethane (113)	1.0	97	2.0	23	1.0	56	2.0	195	2.0	181	4.0
Methylene Chloride	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,1-Dichloroethane	1.0	ND	2.0	1.5	1.0	ND	2.0	4.8	2.0	6.7	4.0
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Chloroform	1.0	199	2.0	112	1.0	150	2.0	172	2.0	202	4.0
1,1,1-Trichloroethane	1.0	21	2.0	9.5	1.0	15	2.0	18	2.0	21	4.0
Carbon Tetrachloride	1.0	447	2.0	164	1.0	293	2.0	363	2.0	407	4.0
Benzene	1.0	ND	2.0	1.2	1.0	ND	2.0	17	2.0	ND	4.0
1,2-Dichloroethane	1.0	ND	2.0	1.8	1.0	ND	2.0	ND	2.0	ND	4.0
Trichloroethene	1.0	126	2.0	149	1.0	147	2.0	2.5	2.0	4.3	4.0
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Toluene	1.0	222	2.0	142	1.0	5.6	2.0	69	2.0	67	4.0
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Tetrachloroethene	1.0	22	2.0	13	1.0	19	2.0	ND	2.0	ND	4.0
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Chlorobenzene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Ethylbenzene	1.0	ND	2.0	1.1	1.0	ND	2.0	ND	2.0	ND	4.0
p,&m-Xylene	1.0	2.3	2.0	3.1	1.0	ND	2.0	5.7	2.0	ND	4.0
o-Xylene	1.0	ND	2.0	2.4	1.0	ND	2.0	2.8	2.0	ND	4.0
Styrene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: _____ Date 1-15-02
Mark Johnson
Air Toxics Operations Manager

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 01/07/02
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A2010706-06		A2010706-07		A2010706-08					
Client Sample I.D.:		T4-VE1-S1EFF-4-06		T4-VE1-S2EFF-4-07		T4-VE1-EFF-4-08					
Date Sampled:		01/07/02		01/07/02		01/07/02					
Date Analyzed:		01/08/02		01/08/02		01/08/02					
QC Batch No:		020108MS2A1		020108MS2A1		020108MS2A1					
Analyst Initials:		SC		SC		SC					
Dilution Factor:		2.0		2.0		2.0					
ANALYTE	MDL	Result	RL	Result	RL	Result	RL				
Dichlorodifluoromethane (12)	1.0	5.0	2.0	4.5	2.0	6.2	2.0				
Chloromethane	2.0	ND	4.0	ND	4.0	ND	4.0				
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	2.0	ND	2.0				
Vinyl Chloride	1.0	ND	2.0	ND	2.0	ND	2.0				
Bromomethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Chloroethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Trichlorofluoromethane (11)	1.0	186	2.0	176	2.0	240	2.0				
1,1-Dichloroethene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,1,2-Cl 1,2,2-F ethane (113)	1.0	367	2.0	314	2.0	426	2.0				
Methylene Chloride	1.0	ND	2.0	ND	2.0	ND	2.0				
1,1-Dichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0				
c-1,2-Dichloroethene	1.0	ND	2.0	ND	2.0	ND	2.0				
Chloroform	1.0	ND	2.0	ND	2.0	ND	2.0				
1,1,1-Trichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Carbon Tetrachloride	1.0	ND	2.0	ND	2.0	ND	2.0				
Benzene	1.0	4.9	2.0	ND	2.0	2.3	2.0				
1,2-Dichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Trichloroethene	1.0	ND	2.0	ND	2.0	3.0	2.0				
1,2-Dichloropropane	1.0	ND	2.0	ND	2.0	ND	2.0				
c-1,3-Dichloropropene	1.0	ND	2.0	ND	2.0	ND	2.0				
Toluene	1.0	235	2.0	11	2.0	3.8	2.0				
t-1,3-Dichloropropene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,1,2-Trichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Tetrachloroethene	1.0	5.0	2.0	ND	2.0	ND	2.0				
1,2-Dibromoethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Chlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0				
Ethylbenzene	1.0	4.1	2.0	ND	2.0	ND	2.0				
p,&m-Xylene	1.0	12	2.0	3.5	2.0	ND	2.0				
o-Xylene	1.0	12	2.0	ND	2.0	ND	2.0				
Styrene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	4.0	ND	4.0				
1,3,5-Trimethylbenzene	2.0	5.1	4.0	ND	4.0	ND	4.0				
1,2,4-Trimethylbenzene	2.0	11	4.0	ND	4.0	ND	4.0				
1,3-Dichlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,4-Dichlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,2-Dichlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	4.0	ND	4.0				
Hexachlorobutadiene	1.0	ND	2.0	ND	2.0	ND	2.0				

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Mark Johnson
Air Toxics Operations Manager

Date 1-15-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020108MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	01/08/02		01/08/02		01/08/02						
Data File ID:	08JAN003.D		08JAN004.D		08JAN005.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.6	86	8.7	87	1.2	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.5	95	9.5	95	0.4	70	130	30	Pass
Trichloroethene	0.0	10.0	8.0	80	8.2	82	2.4	70	130	30	Pass
Toluene	0.0	10.0	8.3	83	8.3	83	1.0	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.7	87	8.6	86	0.9	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date: 1-15-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

01/23/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2011401-01/02

Enclosed are results for sample(s) received 1/14/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/23/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A2011401

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'S LAB COORDINATOR: ED W. WILLIAMSON	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID:	LABORATORY CONTACT: JOAN DE LA OSSA	MAIL REPORT (COMPANY NAME): GEOFON INC
PROJECT NAME: JPL #1	PROJECT LOCATION: JPL VEI	PROJECT NUMBER: 04-4304-480	LABORATORY PHONE: 626-964-4032	LABORATORY FAX: 626-964-5832	RECIPIENT NAME: ED W. WILLIAMSON
PROJECT CONTACT: ED W. WILLIAMSON	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 18501 E. GALE AVE #130		ADDRESS: 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS: 1800 OAKGROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: CITY OF INDUSTRY CA 91748		CITY, STATE AND ZIPCODE: DIAMOND BAR CA 91765
PROJECT MANAGER: SRAR FARHEM	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
	T4-VEI-INN-5-01	AIR	1-14-02	1155	NONE	1*	3	NORM	X								1*L TEDLAR BAG. SCREEN - INFLUENT
2	T4-VEI-EFF-5-02	AIR	1-14-02	1200	NONE	1*	3	NORM	X								SCREEN - EFFLUENT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	1/14/02	1325	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 01/14/02
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A2011401-01		A2011401-02							
Client Sample I.D.:		T4-VE1-INN-5-01		T4-VE1-EFF-5-02							
Date Sampled:		01/14/02		01/14/02							
Date Analyzed:		01/16/02		01/16/02							
QC Batch No:		020116MS2A1		020116MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		2.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	3.6	2.0	5.7	1.0						
Chloromethane	2.0	ND	4.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0						
Vinyl Chloride	1.0	ND	2.0	ND	1.0						
Bromomethane	1.0	ND	2.0	ND	1.0						
Chloroethane	1.0	ND	2.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	42	2.0	93	1.0						
1,1-Dichloroethene	1.0	64	2.0	1.2	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	84	2.0	149	1.0						
Methylene Chloride	1.0	ND	2.0	ND	1.0						
1,1-Dichloroethane	1.0	2.0	2.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0						
Chloroform	1.0	172	2.0	ND	1.0						
1,1,1-Trichloroethane	1.0	16	2.0	ND	1.0						
Carbon Tetrachloride	1.0	463	2.0	ND	1.0						
Benzene	1.0	ND	2.0	1.9	1.0						
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0						
Trichloroethene	1.0	166	2.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
Toluene	1.0	6.7	2.0	1.8	1.0						
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0						
Tetrachloroethene	1.0	29	2.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0						
Chlorobenzene	1.0	ND	2.0	ND	1.0						
Ethylbenzene	1.0	4.8	2.0	ND	1.0						
p,&m-Xylene	1.0	13	2.0	ND	1.0						
o-Xylene	1.0	7.1	2.0	ND	1.0						
Styrene	1.0	ND	2.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date 1-23-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020116MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	01/16/02		01/16/02		01/16/02						
Data File ID:	16JAN005.D		16JAN003.D		16JAN004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.7	87	0.6	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.8	98	9.4	94	3.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.8	78	7.8	78	0.4	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	1.2	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.4	84	8.3	83	1.2	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Date: 1-23-02

Mark Johnson
Air Toxics Operations Manager

The cover letter is an integral part of this analytical report

FEB 1 1 2002C2

01/31/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2012104-01/04

Enclosed are results for sample(s) received 1/21/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/31/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A2012104

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's LAB COORDINATOR: LED W. WILLIAMSON	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID:	LABORATORY CONTACT: JOAN DELA OSSA	MAIL REPORT (COMPANY NAME): GEOFON INC.
PROJECT NAME: JPL #1	PROJECT LOCATION: JPL VEI	PROJECT NUMBER: 04-4304-480	LABORATORY PHONE: 626-964-4032	LABORATORY FAX: 626-964-5832	RECIPIENT NAME: LED W. WILLIAMSON
PROJECT CONTACT: LED W. WILLIAMSON	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 18501 E. GALE AVE #130		ADDRESS: 22632 GOLDEN SPRING DR #270
PROJECT ADDRESS: 1800 OAKGROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: CITY OF INDUSTRY CA 91748		CITY, STATE AND ZIPCODE: DIAMOND BAR CA 91765
PROJECT MANAGER: ASRAR PAHEEM	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
1	T4-VEI-B-6-01	AIR	1-21-02	1140	NONE	1*	3	NORM	X								1* L TEDLAR BAG SCREEN - B
2	T4-VEI-C-6-02			1145					X								SCREEN - C
3	T4-VEI-INN-6-03			1150					X								SCREEN - INFLUENT
4	T4-VEI-EFF-6-04			1155					X								SCREEN - EFFLUENT
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	1-21-02	13:30	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 01/21/02
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A2012104-01		A2012104-02		A2012104-03		A2012104-04			
Client Sample I.D.:		T4-VE1-B-6-01		T4-VE1-C-6-02		T4-VE1-INN-6-03		T4-VE1-EFF-6-04			
Date Sampled:		01/21/02		01/21/02		01/21/02		01/21/02			
Date Analyzed:		01/22/02		01/22/02		01/22/02		01/22/02			
QC Batch No:		020122MS2A1		020122MS2A1		020122MS2A1		020122MS2A1			
Analyst Initials:		SC		SC		SC		SC			
Dilution Factor:		4.0		2.0		4.0		1.0			
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL		
Dichlorodifluoromethane (12)	1.0	6.1	4.0	ND	2.0	ND	4.0	7.4	1.0		
Chloromethane	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Vinyl Chloride	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Bromomethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Chloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Trichlorofluoromethane (11)	1.0	30	4.0	68	2.0	45	4.0	123	1.0		
1,1-Dichloroethene	1.0	94	4.0	35	2.0	62	4.0	9.0	1.0		
1,1,2-Cl 1,2,2-F ethane (113)	1.0	89	4.0	82	2.0	80	4.0	250	1.0		
Methylene Chloride	1.0	ND	4.0	ND	2.0	ND	4.0	1.1	1.0		
1,1-Dichloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
c-1,2-Dichloroethene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Chloroform	1.0	197	4.0	130	2.0	168	4.0	2.0	1.0		
1,1,1-Trichloroethane	1.0	21	4.0	9.2	2.0	14	4.0	ND	1.0		
Carbon Tetrachloride	1.0	676	4.0	307	2.0	492	4.0	ND	1.0		
Benzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,2-Dichloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Trichloroethene	1.0	91	4.0	191	2.0	161	4.0	ND	1.0		
1,2-Dichloropropane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
c-1,3-Dichloropropene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Toluene	1.0	122	4.0	92	2.0	7.9	4.0	1.0	1.0		
t-1,3-Dichloropropene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,1,2-Trichloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Tetrachloroethene	1.0	30	4.0	21	2.0	35	4.0	ND	1.0		
1,2-Dibromoethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Chlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Ethylbenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
p,&m-Xylene	1.0	6.5	4.0	5.2	2.0	4.9	4.0	ND	1.0		
o-Xylene	1.0	ND	4.0	2.3	2.0	ND	4.0	ND	1.0		
Styrene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,2,4-Trimethylbenzene	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,3-Dichlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,4-Dichlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,2-Dichlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
Hexachlorobutadiene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Mark Johnson
Air Toxics Operations Manager

Date 1-31-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020122MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	01/22/02		01/22/02		01/22/02						
Data File ID:	22JAN005.D		22JAN003.D		22JAN004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.4	84	3.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.7	97	9.2	92	5.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.7	77	3.2	70	130	30	Pass
Toluene	0.0	10.0	8.1	81	7.8	78	3.7	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.2	82	3.4	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date: 1-31-02

The cover letter is an integral part of this analytical report

FEB 11 2002

02/05/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2012801-01/05

Enclosed are results for sample(s) received 1/28/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 2/05/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A2012801

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's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LEO W. WILLIAMSON	909-396-7662	909-396-1455		JOAN DE LA OSSA	GEOFON INC

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
JPL #1	JPL - VE1	04-4304-480	626-964-4032	626-964-5832	LEO W. WILLIAMSON

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
LEO W. WILLIAMSON	714-920-8438	N/A	18501 E. GALE AVE #130	22632 GOLDEN SPRING DR #270

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
4800 OAKGROVE DR	PASADENA CA	US NAVY SWDIV	CITY OF INDUSTRY CA 91748	DIAMOND BAR CA 91765

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
ASKAR 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
1	T4-VE1-A-7-01	AIR	1-28-02	1040	NONE	1*	3	NORM	X								1*L TEDLAR BAG SCREEN - A
2	T4-VE1-B-7-02			1045					X								SCREEN - B
3	T4-VE1-C-7-03			1050					X								SCREEN - C
4	T4-VE1-INN-7-04			1055					X								SCREEN - INFLUENT
5	T4-VE1-EFF-7-05			1100					X								SCREEN - EFFLUENT
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	01/28/02	12:40	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 01/28/02
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A2012801-01		A2012801-02		A2012801-03		A2012801-04		A2012801-05	
Client Sample I.D.:		T4-VE1-A-7-01		T4-VE1-B-7-02		T4-VE1-C-7-03		T4-VE1-INN-7-04		T4-VE1-EFF-7-05	
Date Sampled:		01/28/02		01/28/02		01/28/02		01/28/02		01/28/02	
Date Analyzed:		01/30/02		01/30/02		01/30/02		01/30/02		01/30/02	
QC Batch No:		020130MS2A1		020130MS2A1		020130MS2A1		020130MS2A1		020130MS2A1	
Analyst Initials:		SC		SC		SC		SC		SC	
Dilution Factor:		5.0		4.0		2.0		3.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	6.0	5.0	4.9	4.0	ND	2.0	ND	3.0	5.7	1.0
Chloromethane	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Vinyl Chloride	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Bromomethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Chloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Trichlorofluoromethane (11)	1.0	ND	5.0	33	4.0	69	2.0	42	3.0	63	1.0
1,1-Dichloroethene	1.0	11	5.0	87	4.0	31	2.0	52	3.0	15	1.0
1,1,2-Cl 1,2,2-F ethane (113)	1.0	6.5	5.0	86	4.0	80	2.0	71	3.0	135	1.0
Methylene Chloride	1.0	ND	5.0	ND	4.0	2.0	2.0	ND	3.0	2.6	1.0
1,1-Dichloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	1.5	1.0
c-1,2-Dichloroethene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Chloroform	1.0	371	5.0	194	4.0	118	2.0	165	3.0	6.5	1.0
1,1,1-Trichloroethane	1.0	8.3	5.0	17	4.0	8.3	2.0	12	3.0	ND	1.0
Carbon Tetrachloride	1.0	819	5.0	580	4.0	255	2.0	432	3.0	5.5	1.0
Benzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,2-Dichloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Trichloroethene	1.0	ND	5.0	91	4.0	196	2.0	132	3.0	ND	1.0
1,2-Dichloropropane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Toluene	1.0	49	5.0	45	4.0	28	2.0	3.8	3.0	ND	1.0
t-1,3-Dichloropropene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Tetrachloroethene	1.0	14	5.0	44	4.0	24	2.0	35	3.0	ND	1.0
1,2-Dibromoethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Chlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Ethylbenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
p,&m-Xylene	1.0	8.9	5.0	5.8	4.0	4.2	2.0	4.5	3.0	ND	1.0
o-Xylene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Styrene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
Hexachlorobutadiene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: _____ **Date** 2-5-02

Mark Johnson
Air Toxics Operations Manager

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020130MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	01/30/02		01/30/02		01/30/02						
Data File ID:	30JAN006.D		30JAN004.D		30JAN005.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	11.2	112	10.8	108	3.1	70	130	30	Pass
Methylene Chloride	0.0	10.0	12.7	127	12.4	124	2.3	70	130	30	Pass
Trichloroethene	0.0	10.0	9.2	92	9.2	92	0.0	70	130	30	Pass
Toluene	0.0	10.0	10.0	100	10.0	100	0.6	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.6	86	0.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Date: 2-5-02

Mark Johnson
Air Toxics Operations Manager

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

FEBRUARY 2002

03/04/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2022108-01/05

Enclosed are results for sample(s) received 2/21/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 3/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

A2022108

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's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LEO W. WILLIAMSON	909-396-7662	909-396-1455		TOANDE LA OSSA	GEOFON INC

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
JPL #1	JPL VEI	04-4304.480	626-964-4032	626-964-5832	LEO W. WILLIAMSON

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
LEO W. WILLIAMSON	714-920-8438	N/A	18501 E. GALE AVE #130	22632 GOLDEN SPRINGS DR #270

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
4800 OAKGROVE DR	PASADENA CA	US NAVY SWDIV	CITY OF INDUSTRY CA 91748	DIAMOND BAR CA 91765

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
ISRAEL 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
1	T4-VEI-A-10-01	AIR	2-21-02	1140	NONE	1*	3	NORM	X								1* L TEDLAR BAG SCREEN - A
2	T4-VEI-B-10-02			1145					X								SCREEN - B
3	T4-VEI-C-10-03			1150					X								SCREEN - C
4	T4-VEI-INN-10-04			1155					X								SCREEN - INFLUENT
5	T4-VEI-EFF-10-05			1200					X								SCREEN - EFFLUENT
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	TAA	2/21/02	14:15	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 02/21/02
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A2022108-01		A2022108-02		A2022108-03		A2022108-04		A2022108-05	
Client Sample I.D.:		T4-VE1-A-10-01		T4-VE1-B-10-02		T4-VE1-C-10-03		T4-VE1-INN-10-04		T4-VE1-EFF-10-05	
Date Sampled:		02/21/02		02/21/02		02/21/02		02/21/02		02/21/02	
Date Analyzed:		02/22/02		02/22/02		02/22/02		02/22/02		02/22/02	
QC Batch No:		020222MS2A1		020222MS2A1		020222MS2A1		020222MS2A1		020222MS2A1	
Analyst Initials:		SC		SC		SC		SC		SC	
Dilution Factor:		4.0		4.0		2.0		4.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	4.4	4.0	5.8	4.0	ND	2.0	ND	4.0	ND	1.0
Chloromethane	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Vinyl Chloride	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Bromomethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Chloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Trichlorofluoromethane (11)	1.0	ND	4.0	63	4.0	114	2.0	60	4.0	ND	1.0
1,1-Dichloroethene	1.0	16	4.0	115	4.0	36	2.0	53	4.0	ND	1.0
1,1,2-Cl 1,2,2-F ethane (113)	1.0	8.3	4.0	126	4.0	89	2.0	73	4.0	ND	1.0
Methylene Chloride	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,1-Dichloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Chloroform	1.0	357	4.0	227	4.0	144	2.0	208	4.0	ND	1.0
1,1,1-Trichloroethane	1.0	8.6	4.0	21	4.0	11	2.0	12	4.0	ND	1.0
Carbon Tetrachloride	1.0	830	4.0	698	4.0	288	2.0	504	4.0	ND	1.0
Benzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	1.9	1.0
1,2-Dichloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Trichloroethene	1.0	4.3	4.0	106	4.0	238	2.0	139	4.0	ND	1.0
1,2-Dichloropropane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Toluene	1.0	86	4.0	110	4.0	89	2.0	5.9	4.0	1.0	1.0
t-1,3-Dichloropropene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Tetrachloroethene	1.0	9.6	4.0	49	4.0	23	2.0	33	4.0	ND	1.0
1,2-Dibromoethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Chlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Ethylbenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
p,&m-Xylene	1.0	6.1	4.0	17	4.0	8.4	2.0	11	4.0	ND	1.0
o-Xylene	1.0	ND	4.0	6.5	4.0	3.0	2.0	ND	4.0	ND	1.0
Styrene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
Hexachlorobutadiene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Mark Johnson
Air Toxics Operations Manager

Date 3-4-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020222MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	02/22/02		02/22/02		02/22/02						
Data File ID:	22FEB006.D		22FEB003.D		22FEB004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	11.6	116	11.7	117	1.1	70	130	30	Pass
Methylene Chloride	0.0	10.0	12.7	127	12.6	126	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	9.8	98	9.7	97	0.4	70	130	30	Pass
Toluene	0.0	10.0	9.4	94	9.5	95	0.2	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	7.9	79	8.0	80	1.0	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson
Air Toxics Operations Manager

Date: 3-4-02

The cover letter is an integral part of this analytical report

03/04/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2022604-01/02

Enclosed are results for sample(s) received 2/26/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 3/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

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's LAB COORDINATOR: LEO W. WILLIAMSON	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID:	LABORATORY CONTACT: JOAN DE LA OSSA	MAIL REPORT (COMPANY NAME): GEOFON INC
PROJECT NAME: JPL #1	PROJECT LOCATION: JPL VE1	PROJECT NUMBER: 04-4304.480	LABORATORY PHONE: 626-964-4032	LABORATORY FAX: 626-964-5832	RECIPIENT NAME: LEO W. WILLIAMSON
PROJECT CONTACT: LEO W. WILLIAMSON	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 18501 E. GALE AVE #130		ADDRESS: 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS: 1800 OAKGROVE DR.	CITY, STATE AND ZIPCODE: PASADENA CA	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: CITY OF INDUSTRY CA 91748		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: A2022604
1	T4-VE1-INN-11-01	AIR	2-26-02	1125	NONE	1*	3	NORM	X								1* L TEDLAR BAG ~~01~~
																	SCREEN — INFLUENT 01
2	T4-VE1-EFF-11-02	AIR	2-26-02	1130	NONE	1*	3	NORM	X								SCREEN — EFFLUENT 02
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	Joan DeLaOssa	2/26/02	1315	

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

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 02/26/02
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A2022604-01		A2022604-02							
Client Sample I.D.:		T4-VE1-INN-11-01		T4-VE1-EFF-11-02							
Date Sampled:		02/26/02		02/26/02							
Date Analyzed:		02/26/02		02/26/02							
QC Batch No:		020226MS2A1		020226MS2A1							
Analyst Initials:		SC		SC							
Dilution Factor:		3.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL						
Dichlorodifluoromethane (12)	1.0	5.2	3.0	ND	1.0						
Chloromethane	2.0	ND	6.0	ND	2.0						
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	3.0	ND	1.0						
Vinyl Chloride	1.0	ND	3.0	ND	1.0						
Bromomethane	1.0	ND	3.0	ND	1.0						
Chloroethane	1.0	ND	3.0	ND	1.0						
Trichlorofluoromethane (11)	1.0	72	3.0	ND	1.0						
1,1-Dichloroethene	1.0	50	3.0	ND	1.0						
1,1,2-Cl 1,2,2-F ethane (113)	1.0	74	3.0	ND	1.0						
Methylene Chloride	1.0	ND	3.0	ND	1.0						
1,1-Dichloroethane	1.0	ND	3.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	3.0	ND	1.0						
Chloroform	1.0	213	3.0	ND	1.0						
1,1,1-Trichloroethane	1.0	11	3.0	ND	1.0						
Carbon Tetrachloride	1.0	453	3.0	ND	1.0						
Benzene	1.0	ND	3.0	2.3	1.0						
1,2-Dichloroethane	1.0	ND	3.0	ND	1.0						
Trichloroethene	1.0	126	3.0	ND	1.0						
1,2-Dichloropropane	1.0	ND	3.0	ND	1.0						
c-1,3-Dichloropropene	1.0	ND	3.0	ND	1.0						
Toluene	1.0	4.0	3.0	ND	1.0						
t-1,3-Dichloropropene	1.0	ND	3.0	ND	1.0						
1,1,2-Trichloroethane	1.0	ND	3.0	ND	1.0						
Tetrachloroethene	1.0	31	3.0	ND	1.0						
1,2-Dibromoethane	1.0	ND	3.0	ND	1.0						
Chlorobenzene	1.0	ND	3.0	ND	1.0						
Ethylbenzene	1.0	ND	3.0	ND	1.0						
p,&m-Xylene	1.0	8.9	3.0	ND	1.0						
o-Xylene	1.0	3.1	3.0	ND	1.0						
Styrene	1.0	ND	3.0	ND	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	6.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	6.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	6.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	3.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	3.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	3.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	6.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	3.0	ND	1.0						

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson
Air Toxics Operations Manager

Date 3-4-02

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories
18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020226MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	02/26/02		02/26/02		02/26/02						
Data File ID:	26FEB003.D		26FEB012.D		26FEB013.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	11.5	115	12.0	120	4.7	70	130	30	Pass
Methylene Chloride	0.0	10.0	12.3	123	13.0	130	5.1	70	130	30	Pass
Trichloroethene	0.0	10.0	9.9	99	10.4	104	5.1	70	130	30	Pass
Toluene	0.0	10.0	9.7	97	9.9	99	2.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	7.8	78	8.2	82	5.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson
Air Toxics Operations Manager

Date: 3-4-02

The cover letter is an integral part of this analytical report