



RECORD OF COMMUNICATION

REGIONAL SAMPLE CONTROL CENTER

DATE: 12/30/09
 SUBJECT: CLP Data Package for Quality Assurance Review
 FROM: Hazardous Waste Support Section (HWSS)/RSCC
 TO: HWSS ESAT-TOPO

TDF# 10-022-8

Attached is the following Non-RAS Data Package to be reviewed for Quality Assurance

SITE: Alfred Heller Heat Treating Cpnv

CASE #: 09-0023

SDG#: 090994

Sampler: Weston

PROJ. CODE: RV SITE SPILL #: ID A213

#SAMPLES MATRIX

LAB: AAC OPERABLE UNIT: 00

5 SCAN, 3 SIM TO-15 AIR

TURN-AROUND-TIME: 14 day

CERCLIS ID #: NJD002142412

FRACTION: VOCs

Contaminant(s) of Concern (If known)

REGION II RSCC DATA TRANSFER LOG

Relinquished By

Received By

Signature

Date/Time

Signature

Date/Time

Patricia [Signature] 1/5/10 2:35 pm Angela Branch 1/5/10 2:35 p.m.

Angela Branch 1/5/10 [Signature] 1/5/10

[Signature] 01/11/2010 Angela Branch 1/11/10

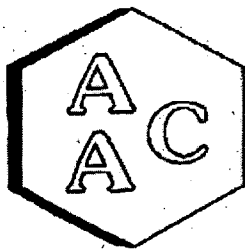
Angela Branch 1/11/10 4:50 p.m. [Signature] 1/11/10 1:30 p.m.

[Signature] 1/19/10 9:56 am [Signature] 1/19/10

[Signature] 1/19/10 [Signature] 1/19/10

[Signature] 1/19/10 2:10 pm Angela Branch 1/19/10 2:10 p.m.

Angela Branch 1/19/10 [Signature] 1/19/10



Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS PPB (v/v)

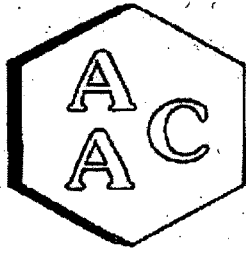
DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15 SIM

DUP

Client ID	H7LT1			Sample Reporting Limit (SRL) (MRL x DF's)	H7LT2			Sample Reporting Limit (SRL) (MRL x DF's)	Method Reporting Limit (MRL)
AAC ID	090994-42506				090994-42507				
Sampling Date/Time	12/10/2009 12:37 PM				12/10/2009 01:54 PM				
Analysis Date/Time	12/18/2009 01:02 AM				12/18/2009 02:37 AM				
QC Batch	MS01 121709				MS01 121709				
Can Dilution Factor	1.41			1.46					
	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	0.624		1.0	0.049	0.646		1.0	0.051	0.035
Dichlorodifluoromethane	1.19		1.0	0.049	1.19		1.0	0.051	0.035
Chloroethane	0.991		1.0	0.049	1.01		1.0	0.051	0.035
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
Vinyl Chloride	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
1,3-Butadiene	<SRL	U	1.0	0.049	0.088		1.0	0.051	0.035
Bromomethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
Chloroethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
Dichlorofluoromethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
Vinyl Bromide	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
Trichlorofluoromethane	0.525		1.0	0.049	0.661		1.0	0.051	0.035
1,1-Dichloroethylene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
Allyl Chloride	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.168		1.0	0.049	0.169		1.0	0.051	0.035
1,1,2-Dichloroethylene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
1,1-Dichloroethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
MTBE	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
cis-1,2-Dichloroethene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
Chloroform	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
1,2-Dichloroethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035
1,1,1-Trichloroethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS PPB (w/w)

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15 SIM

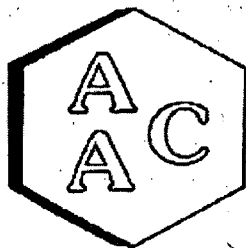
DP

Client ID	H7LT1			Sample Reporting Limit (SRL) (MRLxDF's)	B7LT2			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)			
AAC ID	090994-42506				090994-42507							
Sampling Date/Time	12/10/2009 12:37 PM				12/10/2009 01:34 PM							
Analysis Date/Time	12/18/2009 01:02 AM				12/18/2009 02:37 AM							
QC Batch	MS01 121709				MS01 121709							
Can Dilution Factor	1.41				1.46							
	Result	Qualifier	Analysis DF			Result	Qualifier			Analysis DF		
Benzene	0.286		1.0	0.049	0.340		1.0	0.051	0.035			
Carbon Tetrachloride	0.091		1.0	0.049	0.189		1.0	0.051	0.035			
1,2-Dichloropropane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
Bromodichloromethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
Trichloroethene	<SRL	U	1.0	0.049	0.439		1.0	0.051	0.035			
cis-1,3-Dichloropropene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
trans-1,3-Dichloropropene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
1,1,2-Trichloroethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
Toluene	0.330		1.0	0.049	0.466		1.0	0.051	0.035			
Dibromochloromethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
1,2-Dibromopropane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
Tetrachloroethylene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
Chlorobenzene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
Ethylbenzene	0.056		1.0	0.049	0.064		1.0	0.051	0.035			
m- & p-Xylenes	0.150		1.0	0.098	0.196		1.0	0.103	0.070			
Bromoform	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
Styrene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
1,1,2,2-Tetrachloroethane	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
o-Xylene	0.053		1.0	0.049	0.091		1.0	0.051	0.035			
4-Ethyltoluene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
1,3,5-Trimethylbenzene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
1,2,4-Trimethylbenzene	<SRL	U	1.0	0.049	0.109		1.0	0.051	0.035			
Benzyl Chloride	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
1,3-Dichlorobenzene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
1,4-Dichlorobenzene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
1,2-Dichlorobenzene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
Hexachlorobutadiene	<SRL	U	1.0	0.049	<SRL	U	1.0	0.051	0.035			
DEH Surrogate Std. % Recovery	100%				103%				70-130%			

U - Compound was analyzed for, but was not detected at or above the SRL.

Sucha S. Parmar, PhD
Technical Director





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

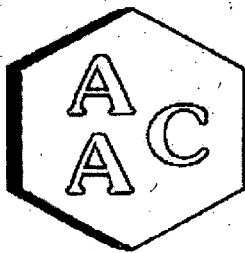
CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS ug/m3

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15 SIM

Client ID		B7LT1			Sample Reporting Limit (SRL) (MRL/DF%)	B7LT2			Sample Reporting Limit (SRL) (MRL/DF%)	Method Reporting Limit (MRL)
AAC ID		090994-42506				090994-42507				
Sampling Date/Time		12/10/2009 12:37 PM				12/10/2009 01:54 PM				
Analysis Date/Time		12/18/2009 01:02 AM				12/18/2009 02:37 AM				
QC Batch		MS01 121709				MS01 121709				
Can Dilution Factor		1.41				1.46				
	Result	Qualifier	Analysis DF			Result	Qualifier	Analysis DF		
Chlorodifluoromethane	2.21		1.0	0.17	2.29		1.0	0.18	0.12	
Dichlorodifluoromethane	5.00		1.0	0.21	5.01		1.0	0.22	0.15	
Chloromethane	2.05		1.0	0.10	2.08		1.0	0.11	0.07	
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	<SRL	U	1.0	0.34	<SRL	U	1.0	0.36	0.24	
Vinyl Chloride	<SRL	U	1.0	0.13	<SRL	U	1.0	0.13	0.09	
1,3-Butadiene	<SRL	U	1.0	0.11	0.19		1.0	0.11	0.09	
Bromomethane	<SRL	U	1.0	0.19	<SRL	U	1.0	0.20	0.14	
Chloromethane	<SRL	U	1.0	0.13	<SRL	U	1.0	0.14	0.09	
Dichlorofluoromethane	<SRL	U	1.0	0.21	<SRL	U	1.0	0.22	0.15	
Vinyl Bromide	<SRL	U	1.0	0.22	<SRL	U	1.0	0.22	0.15	
Trichlorofluoromethane	2.74		1.0	0.26	3.45		1.0	0.27	0.18	
1,1-Dichloroethene	<SRL	U	1.0	0.19	<SRL	U	1.0	0.20	0.14	
Allyl Chloride	<SRL	U	1.0	0.13	<SRL	U	1.0	0.16	0.11	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.28		1.0	0.38	1.30		1.0	0.39	0.27	
1,1,2-Dichloroethylene	<SRL	U	1.0	0.20	<SRL	U	1.0	0.20	0.14	
1,1-Dichloroethane	<SRL	U	1.0	0.20	<SRL	U	1.0	0.21	0.14	
MTBE	<SRL	U	1.0	0.18	<SRL	U	1.0	0.19	0.13	
cis-1,2-Dichloroethene	<SRL	U	1.0	0.19	<SRL	U	1.0	0.20	0.14	
Chloroform	<SRL	U	1.0	0.24	<SRL	U	1.0	0.25	0.17	
1,2-Dichloroethane	<SRL	U	1.0	0.20	<SRL	U	1.0	0.21	0.14	
1,1,1-Trichloroethane	<SRL	U	1.0	0.27	<SRL	U	1.0	0.28	0.19	





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

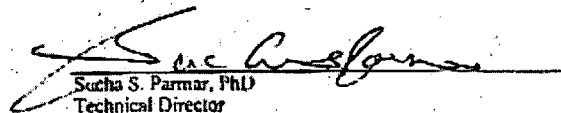
CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS ug/m3

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

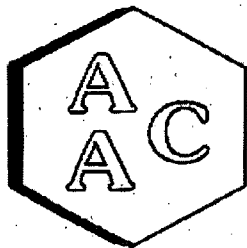
VOLATILE ORGANIC COMPOUNDS BY EPA TO-15 SIM

Client ID		B7LT1			Sample Reporting Limit (SRL) Limit (MRL) (SRL:DF's)	B7LT2			Sample Reporting Limit (SRL) Limit (MRL) (SRL:DF's)	Method Reporting Limit (MRL)
A/CID		090994-42506				090994-42507				
Sampling Date/Time		12/10/2009 12:37 PM				12/10/2009 01:54 PM				
Analysis Date/Time		12/18/2009 01:01 AM				12/18/2009 02:37 AM				
OC Batch		MS01 121709				MS01 121709				
Can Dilution Factor		1.41				1.46				
		Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Benzene		0.91		1.0	0.16	1.09	1.0	0.16	0.11	
Carbon Tetrachloride		0.57		1.0	0.31	1.19	1.0	0.32	0.22	
1,2-Dichloropropane		<SRL	U	1.0	0.23	<SRL	U	1.0	0.24	
Bromodichloromethane		<SRL	U	1.0	0.33	<SRL	U	1.0	0.34	
Trichloroethene		<SRL	U	1.0	0.26	2.35	1.0	0.28	0.19	
cis-1,3-Dichloropropene		<SRL	U	1.0	0.22	<SRL	U	1.0	0.23	
trans-1,3-Dichloropropene		<SRL	U	1.0	0.22	<SRL	U	1.0	0.23	
1,1,2-Trichloroethane		<SRL	U	1.0	0.27	<SRL	U	1.0	0.28	
Toluene		1.24		1.0	0.19	1.75	1.0	0.19	0.13	
Dibromochloromethane		<SRL	U	1.0	0.42	<SRL	U	1.0	0.44	
1,2-Dibromoethane		<SRL	U	1.0	0.37	<SRL	U	1.0	0.39	
Tetrachloroethylene		<SRL	U	1.0	0.33	<SRL	U	1.0	0.35	
Chlorobenzene		<SRL	U	1.0	0.23	<SRL	U	1.0	0.24	
Ethylbenzene		0.24		1.0	0.21	0.28	1.0	0.22	0.11	
m- & p-Xylenes		0.65		1.0	0.43	0.85	1.0	0.44	0.30	
Bromoform		<SRL	U	1.0	0.51	<SRL	U	1.0	0.53	
Styrene		<SRL	U	1.0	0.21	<SRL	U	1.0	0.22	
1,1,2,2-Tetrachloroethane		<SRL	U	1.0	0.34	<SRL	U	1.0	0.35	
o-Xylene		0.23		1.0	0.21	0.40	1.0	0.22	0.15	
4-Ethyltoluene		<SRL	U	1.0	0.24	<SRL	U	1.0	0.25	
1,3,5-Trimethylbenzene		<SRL	U	1.0	0.24	<SRL	U	1.0	0.25	
1,2,4-Trimethylbenzene		<SRL	U	1.0	0.24	0.54	1.0	0.25	0.17	
Benzyl Chloride		<SRL	U	1.0	0.26	<SRL	U	1.0	0.27	
1,3-Dichlorobenzene		<SRL	U	1.0	0.30	<SRL	U	1.0	0.31	
1,4-Dichlorobenzene		<SRL	U	1.0	0.30	<SRL	U	1.0	0.31	
1,2-Dichlorobenzene		<SRL	U	1.0	0.30	<SRL	U	1.0	0.31	
Hexachlorobutadiene		<SRL	U	1.0	0.53	<SRL	U	1.0	0.55	
BFB-Surrogate Std. % Recovery		100%			103%			71-130%		

U - Compound was analyzed for, but was not detected at or above the SRL.


Sacha S. Parmar, PhD
Technical Director





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT
PROJECT NO
MATRIX
UNITS

Environmental Protection Agency
090994
AIR
PPB (v/v)

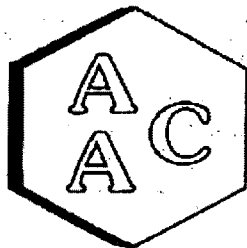
DATE SHIPPED
DATE RECEIVED
DATE REPORTED
COC NUMBER

12/11/2009
12/14/2009
12/21/2009
09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA 821-15 SIM

Client ID	B7LT3			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	090994-42508				
Sampling Date/Time	12/10/2009 01:54 PM				
Analysis Date/Time	12/18/2009 03:24 AM				
OC Batch	MS01 121709				
Can Dilution Factor	1.58				
	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	0.704		1.0	0.055	0.035
Dichlorodifluoromethane	1.27		1.0	0.055	0.035
Chloromethane	1.08		1.0	0.055	0.035
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	<SRL	U	1.0	0.055	0.035
Vinyl Chloride	<SRL	U	1.0	0.055	0.035
1,3-Butadiene	<SRL	U	1.0	0.055	0.035
Bromomethane	<SRL	U	1.0	0.055	0.035
Chloroethane	<SRL	U	1.0	0.055	0.035
Dichlorofluoromethane	<SRL	U	1.0	0.055	0.035
Vinyl Bromide	<SRL	U	1.0	0.055	0.035
Trichlorofluoromethane	0.752		1.0	0.055	0.035
1,1-Dichloroethylene	<SRL	U	1.0	0.055	0.035
Allyl Chloride	<SRL	U	1.0	0.055	0.035
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.188		1.0	0.055	0.035
1,1,2-Dichloroethylene	<SRL	U	1.0	0.055	0.035
1,1-Dichloroethane	<SRL	U	1.0	0.055	0.035
MTBE	<SRL	U	1.0	0.055	0.035
cis-1,2-Dichloroethene	0.056		1.0	0.055	0.035
Chloroform	<SRL	U	1.0	0.055	0.035
1,2-Dichloroethane	<SRL	U	1.0	0.055	0.035
1,1,1-Trichloroethane	<SRL	U	1.0	0.055	0.035





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT
PROJECT NO
MATRIX
UNITS

Environmental Protection Agency
090994
AIR
PPB (v/v)

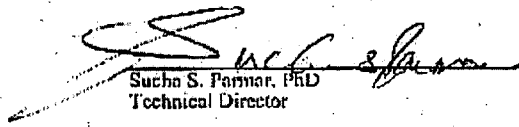
DATE SHIPPED
DATE RECEIVED
DATE REPORTED
COC NUMBER

12/11/2009
12/14/2009
12/21/2009
09-0023

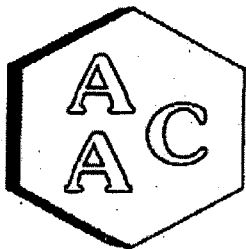
VOLATILE ORGANIC COMPOUNDS BY EPA TO-15 SIM

Client ID	B7LT3			Sample Reporting Limit (SRL) (MRL x DF's)	Method Reporting Limit (MRL)
AAC ID	090994-42508				
Sampling Date/Time	12/10/2009 01:54 PM				
Analysis Date/Time	12/18/2009 03:24 AM				
QC Batch	MS01 121709				
Can Dilution Factor	1.58				
	Result	Qualifier	Analysis DF		
Benzene	0.360		1.0	0.055	0.035
Carbon Tetrachloride	0.180		1.0	0.055	0.035
1,2-Dichloropropane	<SRL	U	1.0	0.055	0.035
Bromodichloromethane	<SRL	U	1.0	0.055	0.035
Trichloroethene	0.389		1.0	0.055	0.035
cis-1,3-Dichloropropene	<SRL	U	1.0	0.055	0.035
trans-1,3-Dichloropropene	<SRL	U	1.0	0.055	0.035
1,1,2-Trichloroethane	<SRL	U	1.0	0.055	0.035
Toluene	0.475		1.0	0.055	0.035
Dibromochloromethane	<SRL	U	1.0	0.055	0.035
1,2-Dibromoethane	<SRL	U	1.0	0.055	0.035
Tetrachloroethylene	<SRL	U	1.0	0.055	0.035
Chlorobenzene	<SRL	U	1.0	0.055	0.035
Ethylbenzene	0.081		1.0	0.055	0.035
m- & p-Xylenes	0.209		1.0	0.110	0.070
Bromoform	<SRL	U	1.0	0.055	0.035
Styrene	0.122		1.0	0.055	0.035
1,1,2,2-Tetrachloroethane	<SRL	U	1.0	0.055	0.035
o-Xylene	0.079		1.0	0.055	0.035
4-Ethyltoluene	<SRL	U	1.0	0.055	0.035
1,3,5-Trimethylbenzene	<SRL	U	1.0	0.055	0.035
1,2,4-Trimethylbenzene	0.131		1.0	0.055	0.035
Benzyl Chloride	<SRL	U	1.0	0.055	0.035
1,3-Dichlorobenzene	<SRL	U	1.0	0.055	0.035
1,4-Dichlorobenzene	<SRL	U	1.0	0.055	0.035
1,2-Dichlorobenzene	<SRL	U	1.0	0.055	0.035
Hexachlorobutadiene	<SRL	U	1.0	0.055	0.035
BFB-Surrogate Std. % Recovery	101%				70-130%

U - Compound was analyzed for, but was not detected at or above the SRL.


Sucha S. Parmar, PhD
Technical Director





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT
PROJECT NO
MATRIX
UNITS

Environmental Protection Agency
090994
AIR
ug/m3

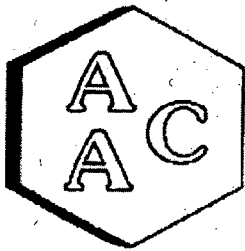
DATE SHIPPED
DATE RECEIVED
DATE REPORTED
COC NUMBER

12/11/2009
12/14/2009
12/21/2009
09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15 SIM

Client ID	B7LT3			Sample Reporting Limit (SRL) (MRL x DF's)	Method Reporting Limit (MRL)
AAC ID	090994-42508				
Sampling Date/Time	12/10/2009 01:54 PM				
Analysis Date/Time	12/18/2009 03:24 AM				
OC Batch	MS01 121709				
Con. Dilution Factor	1.58				
	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	2.49		1.0	0.20	0.12
Dichlorodifluoromethane	5.34		1.0	0.20	0.15
Chloromethane	2.23		1.0	0.10	0.07
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	<SRL	U	1.0	0.40	0.24
Vinyl Chloride	<SRL	U	1.0	0.10	0.09
1,3-Butadiene	<SRL	U	1.0	0.10	0.08
Bromomethane	<SRL	U	1.0	0.20	0.14
Chloroethane	<SRL	U	1.0	0.10	0.09
Dichlorofluoromethane	<SRL	U	1.0	0.20	0.15
Vinyl Bromide	<SRL	U	1.0	0.20	0.15
Trichlorofluoromethane	3.92		1.0	0.30	0.18
1,1-Dichloroethylene	<SRL	U	1.0	0.20	0.14
Allyl Chloride	<SRL	U	1.0	0.20	0.11
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.44		1.0	0.40	0.27
cis-1,2-Dichloroethylene	<SRL	U	1.0	0.20	0.14
1,1-Dichloroethane	<SRL	U	1.0	0.20	0.14
MTBE	<SRL	U	1.0	0.20	0.13
cis-1,2-Dichloroethane	0.22		1.0	0.20	0.14
Chloroform	<SRL	U	1.0	0.30	0.17
1,2-Dichloroethane	<SRL	U	1.0	0.20	0.14
1,1,1-Trichloromethane	<SRL	U	1.0	0.30	0.19





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT
PROJECT NO
MATRIX
UNITS

Environmental Protection Agency
090994
AIR
ug/m3

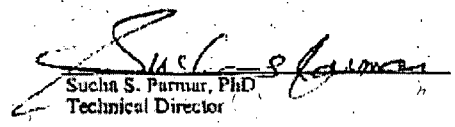
DATE SHIPPED
DATE RECEIVED
DATE REPORTED
COC NUMBER

12/11/2009
12/14/2009
12/21/2009
09-0023

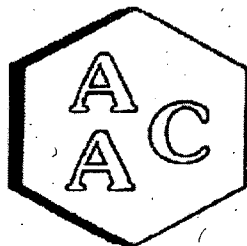
VOLATILE ORGANIC COMPOUNDS BY EPA TO-15 SIM

Client ID	B7LT3			Sample Reporting Limit (SRL) (MRLxDFs)	Method Reporting Limit (MRL)
AAC ID	090994-42508				
Sampling Date/Time	12/10/2009 01:54 PM				
Analysis Date/Time	12/18/2009 03:24 AM				
QC Batch	MS01 121709				
Con Dilution Factor	1.58				
	Result	Qualifier	Analysis DF		
Benzene	1.15		1.0	0.20	0.11
Carbon Tetrachloride	1.14		1.0	0.30	0.22
1,2-Dichloropropane	<SRL	U	1.0	0.30	0.16
Bromodichloromethane	<SRL	U	1.0	0.40	0.23
Trichloroethene	2.09		1.0	0.30	0.19
cis-1,3-Dichloropropene	<SRL	U	1.0	0.20	0.16
trans-1,3-Dichloropropene	<SRL	U	1.0	0.20	0.16
1,1,2-Trichloroethane	<SRL	U	1.0	0.30	0.19
Toluene	1.79		1.0	0.20	0.13
Dibromochloromethane	<SRL	U	1.0	0.50	0.30
1,2-Dibromoethane	<SRL	U	1.0	0.40	0.26
Tetrachloroethylene	<SRL	U	1.0	0.40	0.24
Chlorobenzene	<SRL	U	1.0	0.30	0.16
Ethylbenzene	0.35		1.0	0.20	0.15
m- & p-Xylenes	0.91		1.0	0.50	0.30
Bromoform	<SRL	U	1.0	0.60	0.36
Styrene	0.52		1.0	0.20	0.15
1,1,2,2-Tetrachloroethane	<SRL	U	1.0	0.40	0.24
o-Xylene	0.34		1.0	0.20	0.15
4-Ethyltoluene	<SRL	U	1.0	0.30	0.17
1,3,5-Trimethylbenzene	<SRL	U	1.0	0.30	0.17
1,2,4-Trimethylbenzene	0.64		1.0	0.30	0.17
Benzyl Chloride	<SRL	U	1.0	0.30	0.18
1,3-Dichlorobenzene	<SRL	U	1.0	0.30	0.21
1,4-Dichlorobenzene	<SRL	U	1.0	0.30	0.21
1,2-Dichlorobenzene	<SRL	U	1.0	0.30	0.21
Hexachlorobutadiene	<SRL	U	1.0	0.60	0.37
RFB Surrogate Std. % Recovery	101%				70-130%

U - Compound was analyzed for, but was not detected at or above the SRL


Sucha S. Purnur, PhD
Technical Director





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

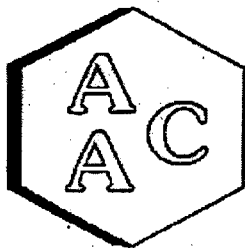
CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS PPB (w/w)

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		H7LT4			Sample Reporting Limit (SRL) (MRL x DF's)	D7LT5			Sample Reporting Limit (SRL) (MRL x DF's)	Method Reporting Limit (MRL)
AAC ID		090994-32509				090994-42510				
Sampling Date/Time		12/10/2009 01:55 PM				12/10/2009 01:56 PM				
Analysis Date/Time		12/18/2009 10:42 AM				12/18/2009 12:14 PM				
OC Batch		MS03 121809				MS03 121809				
Can Dilution Factor		1.42				1.83				
	Result	Qualifier	Analysis DF			Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
Dichlorodifluoromethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
Chloromethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
Vinyl Chloride	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,3-Butadiene	<SRL	U	100	35	<SRL	U	100	46	0.25	
Bromomethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
Chloroethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
Dichlorofluoromethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
Vinyl Bromide	<SRL	U	100	35	<SRL	U	100	46	0.25	
Trichlorofluoromethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,1-Dichloroethylene	<SRL	U	100	35	<SRL	U	100	46	0.25	
Allyl Chloride	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,1,2-Trichloro-1,2,2-Trifluoroethane	171		100	35	<SRL	U	100	46	0.25	
trans-1,2-Dichloroethylene	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,1-Dichloroethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
MTHF	<SRL	U	100	35	<SRL	U	100	46	0.25	
cis-1,2-Dichloroethene	995		100	35	541		100	46	0.25	
Chloroform	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,2-Dichloroethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,1,1-Trichloroethane	258		100	35	48.9		100	46	0.25	





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS PPB (v/v)

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

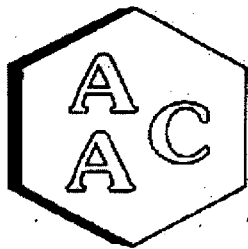
VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	B7LT4			Sample Reporting Limit (SRL) (MRLxDF's)	B7LT5			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)	
AAC ID	090994-42509				090994-42510					
Sampling Date/Time	12/10/2009 01:55 PM				12/10/2009 01:56 PM					
Analysis Date/Time	12/18/2009 10:42 AM				12/18/2009 12:14 PM					
OC Batch	MS03 121809				MS03 121809					
Can Dilution Factor	1.42				1.83					
	Result	Qualifier	Analysis DF			Result	Qualifier			Analysis DF
Benzene	<SRL	U	100	35	<SRL	U	100	46	0.25	
Carbon Tetrachloride	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,2-Dichloropropane	<SRL	U	100	35	<SRL	U	100	46	0.25	
Bromodichloromethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
Trichloroethene	21500		500	177	15400		500	229	0.25	
cis-1,3-Dichloropropene	<SRL	U	100	35	<SRL	U	100	46	0.25	
trans-1,3-Dichloropropene	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,1,2-Trichloroethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
Toluene	<SRL	U	100	35	<SRL	U	100	46	0.25	
Dibromochloromethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,2-Dibromoethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
Tetrachloroethylene	649		100	35	493		100	46	0.25	
Chlorobenzene	<SRL	U	100	35	<SRL	U	100	46	0.25	
Ethylbenzene	<SRL	U	100	35	<SRL	U	100	46	0.25	
m- & p-Xylenes	<SRL	U	100	71	<SRL	U	100	92	0.50	
Bromoform	<SRL	U	100	35	<SRL	U	100	46	0.25	
Styrene	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,1,2,2-Tetrachloroethane	<SRL	U	100	35	<SRL	U	100	46	0.25	
o-Xylene	<SRL	U	100	35	<SRL	U	100	46	0.25	
4-Ethyltoluene	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,3,5-Trimethylbenzene	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,2,4-Trimethylbenzene	<SRL	U	100	35	<SRL	U	100	46	0.25	
Benzyl Chloride	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,3-Dichlorobenzene	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,4-Dichlorobenzene	<SRL	U	100	35	<SRL	U	100	46	0.25	
1,2-Dichlorobenzene	<SRL	U	100	35	<SRL	U	100	46	0.25	
Hexachlorobutadiene	<SRL	U	100	35	<SRL	U	100	46	0.25	
DIFF-Supstrate Std. % Recovery	99%				98%				70-130%	

U - Compound was analyzed for, but was not detected at or above the SRL.

Sueha S. Parthar, PhD
Technical Director





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

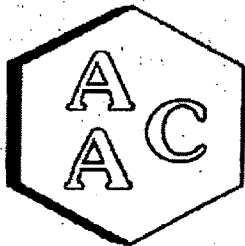
CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS ug/m3

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		B7LT4		Sample Reporting Limit (SRL) (MRLxDF's)	B7LT5			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		090994-42509			090994-42510				
Sampling Date/Time		12/10/2009 01:55 PM			12/10/2009 01:56 PM				
Analysis Date/Time		12/18/2009 10:42 AM			12/18/2009 12:14 PM				
QC Batch		MS03 121809			MS03 121809				
Can Dilution Factor		1.42			1.83				
	Result	Qualifier	Analysis DF			Result	Qualifier		
Chlorodifluoromethane	<SRL	U	100	125	<SRL	U	100	162	0.9
Dichlorodifluoromethane	<SRL	U	100	149	<SRL	U	100	193	1.1
Chloromethane	<SRL	U	100	73	<SRL	U	100	95	0.5
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	<SRL	U	100	248	<SRL	U	100	320	1.7
Vinyl Chloride	<SRL	U	100	91	<SRL	U	100	117	0.6
1,3-Butadiene	<SRL	U	100	78	<SRL	U	100	101	0.6
Bromomethane	<SRL	U	100	138	<SRL	U	100	178	1.0
Chloroethane	<SRL	U	100	94	<SRL	U	100	121	0.7
Dichlorofluoromethane	<SRL	U	100	149	<SRL	U	100	193	1.1
Vinyl Bromide	<SRL	U	100	155	<SRL	U	100	200	1.1
Trichlorofluoromethane	<SRL	U	100	185	<SRL	U	100	239	1.3
1,1-Dichloroethylene	<SRL	U	100	139	<SRL	U	100	180	1.0
Allyl Chloride	<SRL	U	100	111	<SRL	U	100	143	0.8
1,1,2-Trichloro-1,2,2,2-Trifluoroethane	1310	U	100	272	<SRL	U	100	351	1.9
1,1,2-Dichloroethylene	<SRL	U	100	141	<SRL	U	100	181	1.0
1,1-Dichloroethane	<SRL	U	100	142	<SRL	U	100	183	1.0
MTBE	<SRL	U	100	128	<SRL	U	100	165	0.9
cis-1,2-Dichloroethane	3910	U	100	139	2130	U	100	180	1.0
Chloroform	<SRL	U	100	173	<SRL	U	100	224	1.2
1,2-Dichloroethane	<SRL	U	100	142	<SRL	U	100	183	1.0
1,1,1-Trichloroethane	1410	U	100	194	267	U	100	250	1.4





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS ug/m3

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

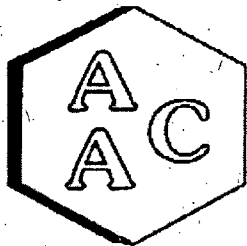
VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	B7LT4			Sample Reporting Limit (SRL) (MRL x DF%)	B7LT5			Sample Reporting Limit (SRL) (MRL x DF%)	Method Reporting Limit (MRL)
LAC ID	090994-42509				090994-42510				
Sampling Date/Time	12/10/2009 01:55 PM				12/10/2009 01:56 PM				
Analysis Date/Time	12/18/2009 10:42 AM				12/18/2009 12:14 PM				
QC Batch	MS03 121809				MS03 121809				
Can Dilution Factor	1.42				1.83				
	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Benzene	<SRL	U	100	113	<SRL	U	100	146	0.8
Carbon Tetrachloride	<SRL	U	100	223	<SRL	U	100	288	1.6
1,2-Dichloropropane	<SRL	U	100	164	<SRL	U	100	212	1.2
Bromodichloromethane	<SRL	U	100	238	<SRL	U	100	307	1.7
Trichloroethene	115000		500	950	82800		500	1226	1.3
cis-1,3-Dichloropropene	<SRL	U	100	158	<SRL	U	100	204	1.1
trans-1,3-Dichloropropene	<SRL	U	100	158	<SRL	U	100	204	1.1
1,1,2-Trichloroethane	<SRL	U	100	193	<SRL	U	100	249	1.4
Toluene	<SRL	U	100	133	<SRL	U	100	172	0.9
Dibromochloromethane	<SRL	U	100	302	<SRL	U	100	390	2.1
1,2-Dibromoethane	<SRL	U	100	268	<SRL	U	100	346	1.9
Tetrachloroethylene	4410		100	241	3330		100	311	1.7
Chlorobenzene	<SRL	U	100	163	<SRL	U	100	211	1.2
Ethylbenzene	<SRL	U	100	154	<SRL	U	100	198	1.1
m- & p-Xylenes	<SRL	U	100	307	<SRL	U	100	397	2.2
Bromuform	<SRL	U	100	366	<SRL	U	100	473	2.6
Styrene	<SRL	U	100	151	<SRL	U	100	195	1.1
1,1,2,2-Tetrachloroethane	<SRL	U	100	244	<SRL	U	100	313	1.7
o-Xylene	<SRL	U	100	154	<SRL	U	100	198	1.1
4-Ethyltoluene	<SRL	U	100	174	<SRL	U	100	225	1.2
1,3,5-Trimethylbenzene	<SRL	U	100	174	<SRL	U	100	225	1.2
1,2,4-Trimethylbenzene	<SRL	U	100	174	<SRL	U	100	225	1.2
Benzyl Chloride	<SRL	U	100	184	<SRL	U	100	237	1.3
1,3-Dichlorobenzene	<SRL	U	100	213	<SRL	U	100	275	1.5
1,4-Dichlorobenzene	<SRL	U	100	213	<SRL	U	100	275	1.5
1,2-Dichlorobenzene	<SRL	U	100	213	<SRL	U	100	275	1.5
Hexachlorobutadiene	<SRL	U	100	378	<SRL	U	100	488	2.7
MEH Surrogate Std. % Recovery	98%				98%				70-130%

U - Compound was analyzed for, but was not detected at or above the SRL.

Sucha S. Parmar, PhD
Technical Director





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

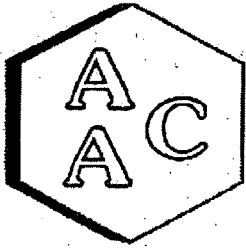
CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS PPB (v/v)

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		B7LT6			Sample Reporting Limit (SRL) (MRL x DF's)	B7LT7			Sample Reporting Limit (SRL) (MRL x DF's)	Method Reporting Limit (MRL)
AAC ID		090994-42511				090994-42512				
Sampling Date/Time		12/10/2009 01:57 PM				12/10/2009 01:57 PM				
Analytic Date/Time		12/18/2009 01:00 PM				12/18/2009 01:47 PM				
QC Batch		MS03 121809				MS03 121809				
Can Dilution Factor		1.56				1.74				
	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
Dichlorodifluoromethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
Chloromethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,1-Dichloro-1,1,2,2-Tetrafluoroethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
Vinyl Chloride	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,3-Butadiene	<SRL	U	100	39	<SRL	U	100	43	0.25	
Bromomethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
Chloroethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
Dichlorofluoromethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
Vinyl Bromide	<SRL	U	100	39	<SRL	U	100	43	0.25	
Trichlorofluoromethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,1-Dichloroethylene	<SRL	U	100	39	<SRL	U	100	43	0.25	
Allyl Chloride	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,1,2-Trichloro-1,2,2-Trifluoroethane	468	✓	100	39	538	✓	100	43	0.25	
1,1,2-Dichloroethylene	85.1	✓	100	39	<SRL	U	100	43	0.25	
1,1-Dichloroethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
MTHF	<SRL	U	100	39	<SRL	U	100	43	0.25	
cis-1,2-Dichloroethene	5590	✓	100	39	6400	✓	100	43	0.25	
Chloroform	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,2-Dichloroethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,1,1-Trichloroethane	510	✓	100	39	584	✓	100	43	0.25	





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

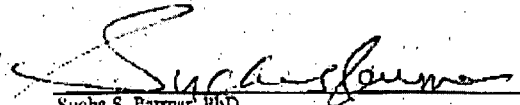
CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS PPB (v/v)

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

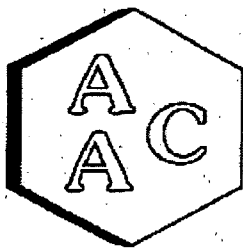
VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		B7LT6			Sample Reporting Limit (SRL) (MRL/DF's)	B7LT7			Sample Reporting Limit (SRL) (MRL/DF's)	Method Reporting Limit (MRL)
AAC ID		090994-42511				090994-42512				
Sampling Date/Time		12/10/2009 01:57 PM				12/10/2009 01:57 PM				
Analysis Date/Time		12/18/2009 01:00 PM				12/18/2009 01:47 PM				
QC Batch		MS03 121809				MS03 121809				
Can Dilution Factor		1.56				1.74				
	Result	Qualifier	Analysis DF			Result	Qualifier	Analysis DF		
Benzene	<SRL	U	100	39	<SRL	U	100	43	0.25	
Carbon Tetrachloride	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,2-Dichloropropane	<SRL	U	100	39	<SRL	U	100	43	0.25	
Bromodichloromethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
Trichloroethene	69600		2500	976	80600		2500	1085	0.25	
cis-1,3-Dichloropropene	<SRL	U	100	39	<SRL	U	100	43	0.25	
trans-1,3-Dichloropropene	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,1,2-Trichloroethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
Toluene	<SRL	U	100	39	<SRL	U	100	43	0.25	
Dibromochloromethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,2-Dibromoethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
Tetrachloroethylene	2100		100	39	2420		100	43	0.25	
Chlorobenzene	<SRL	U	100	39	<SRL	U	100	43	0.25	
Ethylbenzene	<SRL	U	100	39	<SRL	U	100	43	0.25	
m- & p-Xylenes	<SRL	U	100	78	<SRL	U	100	87	0.50	
Bromoform	<SRL	U	100	39	<SRL	U	100	43	0.25	
Styrene	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,1,2,2-Tetrachloroethane	<SRL	U	100	39	<SRL	U	100	43	0.25	
o-Xylene	<SRL	U	100	39	<SRL	U	100	43	0.25	
4-Ethyltoluene	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,3,5-Trimethylbenzene	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,2,4-Trimethylbenzene	<SRL	U	100	39	<SRL	U	100	43	0.25	
Benzyl Chloride	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,3-Dichlorobenzene	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,4-Dichlorobenzene	<SRL	U	100	39	<SRL	U	100	43	0.25	
1,2-Dichlorobenzene	<SRL	U	100	39	<SRL	U	100	43	0.25	
Hexachlorobutadiene	<SRL	U	100	39	<SRL	U	100	43	0.25	
HFBS Summate Std. % Recovery	100%				100%				76-130%	

U - Compound was analyzed for, but was not detected at or above the SRL.


Sucha S. Parmar, PhD
Technical Director





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

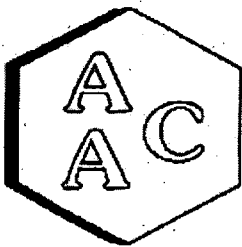
CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS ug/m3

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		B7LT6		Sample Reporting Limit (SRL) (MRL x DF%)	B7LT7			Sample Reporting Limit (SRL) (MRL x DF%)	Method Reporting Limit (MRL)
AAC ID		090994-42511			090994-42512				
Sampling Date/Time		12/10/2009 01:57 PM			12/10/2009 01:57 PM				
Analysis Date/Time		12/18/2009 01:00 PM			12/18/2009 01:47 PM				
QC Batch		MS03 121809			MS03 121809				
Con Dilution Factor		1.56			1.74				
	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	100	138	<SRL	U	100	153	0.9
Dichlorodifluoromethane	<SRL	U	100	164	<SRL	U	100	183	1.1
Chloroethene	<SRL	U	100	81	<SRL	U	100	90	0.5
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	<SRL	U	100	273	<SRL	U	100	303	1.7
Vinyl Chloride	<SRL	U	100	100	<SRL	U	100	111	0.6
1,3-Butadiene	<SRL	U	100	86	<SRL	U	100	96	0.6
Bromomethane	<SRL	U	100	152	<SRL	U	100	169	1.0
Chloroethane	<SRL	U	100	103	<SRL	U	100	115	0.7
Dichlorofluoromethane	<SRL	U	100	164	<SRL	U	100	183	1.1
Vinyl Bromide	<SRL	U	100	171	<SRL	U	100	190	1.1
Trichlorofluoromethane	<SRL	U	100	204	<SRL	U	100	226	1.3
1,1-Dichloroethylene	<SRL	U	100	153	<SRL	U	100	170	1.0
Allyl Chloride	<SRL	U	100	122	<SRL	U	100	136	0.8
1,1,2-Trichloro-1,2,2-Trifluoroethane	3380		100	299	4130		100	333	1.9
1,1,2-Dichloroethylene	337		100	155	<SRL	U	100	172	1.0
1,1-Dichloroethane	<SRL	U	100	156	<SRL	U	100	174	1.0
MTBE	<SRL	U	100	141	<SRL	U	100	156	0.9
cis-1,2-Dichloroethane	21900		100	153	25100		100	170	1.0
Chloroform	<SRL	U	100	191	<SRL	U	100	212	1.2
1,2-Dichloroethane	<SRL	U	100	156	<SRL	U	100	174	1.0
1,1,1-Trichloroethane	2780		100	213	3190		100	237	1.4





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

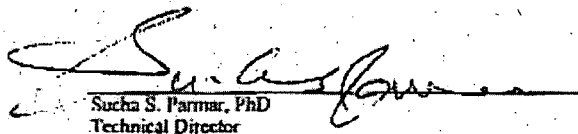
CLIENT Environmental Protection Agency
PROJECT NO 090994
MATRIX AIR
UNITS ug/m3

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

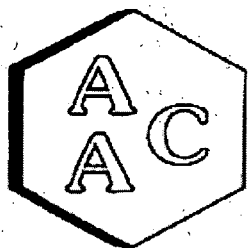
VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID				B7LT6				Sample Reporting Limit (SRL) (MRLxDf's)	B7LT7				Sample Reporting Limit (SRL) (MRLxDf's)	Method Reporting Limit (MRL)
AAC ID				090994-42511					090994-42512					
Sampling Date/Time				12/10/2009 01:57 PM					12/10/2009 01:57 PM					
Analysis Date/Time				12/18/2009 01:00 PM					12/18/2009 01:47 PM					
QC Batch				MS03 121809					MS03 121809					
Can Dilution Factor				1.56					1.74					
	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Benzene	<SRL	U	100	125	<SRL	U	100	138	0.8					
Carbon Tetrachloride	<SRL	U	100	246	<SRL	U	100	273	1.6					
1,2-Dichloropropane	<SRL	U	100	180	<SRL	U	100	201	1.2					
Bromodichloromethane	<SRL	U	100	262	<SRL	U	100	291	1.7					
Trichloroethene	373000		2500	5228	432000		2500	5812	1.3					
cis-1,3-Dichloropropene	<SRL	U	100	174	<SRL	U	100	193	1.1					
trans-1,3-Dichloropropene	<SRL	U	100	174	<SRL	U	100	193	1.1					
1,1,2-Trichloroethane	<SRL	U	100	212	<SRL	U	100	236	1.4					
Toluene	<SRL	U	100	147	<SRL	U	100	163	0.9					
Dibromochloromethane	<SRL	U	100	333	<SRL	U	100	370	2.1					
1,2-Dibromochloroethane	<SRL	U	100	295	<SRL	U	100	328	1.9					
Tetrachloroethylene	14300		100	265	16400		100	295	1.7					
Chlorobenzene	<SRL	U	100	180	<SRL	U	100	200	1.2					
Ethylbenzene	<SRL	U	100	169	<SRL	U	100	188	1.1					
m- & p-Xylenes	<SRL	U	100	338	<SRL	U	100	376	2.2					
Bromoforn	<SRL	U	100	403	<SRL	U	100	449	2.6					
Styrene	<SRL	U	100	166	<SRL	U	100	185	1.1					
1,1,2,2-Tetrachloroethane	<SRL	U	100	268	<SRL	U	100	298	1.7					
o-Xylene	<SRL	U	100	169	<SRL	U	100	188	1.1					
4-Ethyltoluene	<SRL	U	100	192	<SRL	U	100	213	1.2					
1,3,5-Trimethylbenzene	<SRL	U	100	192	<SRL	U	100	213	1.2					
1,2,4-Trimethylbenzene	<SRL	U	100	192	<SRL	U	100	213	1.2					
Benzyl Chloride	<SRL	U	100	202	<SRL	U	100	225	1.3					
1,3-Dichlorobenzene	<SRL	U	100	235	<SRL	U	100	261	1.5					
1,4-Dichlorobenzene	<SRL	U	100	235	<SRL	U	100	261	1.5					
1,2-Dichlorobenzene	<SRL	U	100	235	<SRL	U	100	261	1.5					
Hexachlorobutadiene	<SRL	U	100	416	<SRL	U	100	463	2.7					
DEB Surrogate Std. % Recovery				100%					100%					70-130%

U - Compound was analyzed for, but was not detected at or above the SRL.


Sucha S. Parmar, PhD
Technical Director





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT
PROJECT NO
MATRIX
UNITS

Environmental Protection Agency
090994
AIR
PPB (v/v)

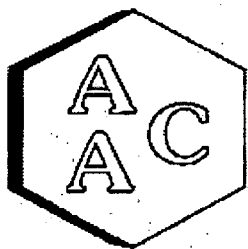
DATE SHIPPED
DATE RECEIVED
DATE REPORTED
COC NUMBER

12/11/2009
12/14/2009
12/21/2009
09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	BTL TR			Sample Reporting Limit (SRL) (MRL x DF's)	Method Reporting Limit (MRL)
AAC ID	090994-42513				
Sampling Date/Time	12/10/2009 01:52 PM				
Analysis Date/Time	12/18/2009 02:33 PM				
QC Batch	MS03 121809				
Can Dilution Factor	1.52				
	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	100	38	0.25
Dichlorodifluoromethane	<SRL	U	100	38	0.25
Chloromethane	<SRL	U	100	38	0.25
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	<SRL	U	100	38	0.25
Vinyl Chloride	<SRL	U	100	38	0.25
1,3-Butadiene	<SRL	U	100	38	0.25
Bromomethane	<SRL	U	100	38	0.25
Chloroethane	<SRL	U	100	38	0.25
Dichlorofluoromethane	<SRL	U	100	38	0.25
Vinyl Bromide	<SRL	U	100	38	0.25
Trichlorofluoromethane	<SRL	U	100	38	0.25
1,1-Dichloroethylene	149		100	38	0.25
Allyl Chloride	<SRL	U	100	38	0.25
1,1,2-Trichloro-1,2,2-Trifluoroethane	1910		100	38	0.25
1,2-Dichloromethylene	204		100	38	0.25
1,1-Dichloroethane	160		100	38	0.25
MTBE	<SRL	U	100	38	0.25
cis-1,2-Dichloroethene	13300		2500	950	0.25
Chloroform	<SRL	U	100	38	0.25
1,2-Dichloroethane	<SRL	U	100	38	0.25
1,1,1-Trichloroethane	1980		100	38	0.25





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT
PROJECT NO
MATRIX
UNITS

Environmental Protection Agency
090994
AIR
PPB (v/v)

DATE SHIPPED
DATE RECEIVED
DATE REPORTED
COC NUMBER

12/11/2009
12/14/2009
12/21/2009
09-0023

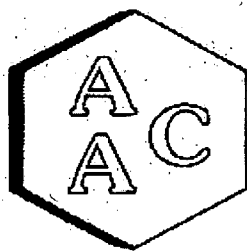
VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	B7LT8			Sample Reporting Limit (SRL) (MRL x DF's)	Method Reporting Limit (MRL)
AAC ID	090994-42513				
Sampling Date/Time	12/10/2009 01:52 PM				
Analysis Date/Time	12/18/2009 02:33 PM				
OC Batch	MS03 121809				
Can Dilution Factor	1.52				
	Result	Qualifier	Analysis DF		
Benzene	<SRL	U	100	38	0.25
Carbon Tetrachloride	<SRL	U	100	38	0.25
1,2-Dichloropropane	<SRL	U	100	38	0.25
Bromodichloromethane	<SRL	U	100	38	0.25
Trichloroethene	139000		2500	950	0.25
cis-1,3-Dichloropropene	<SRL	U	100	38	0.25
trans-1,3-Dichloropropene	<SRL	U	100	38	0.25
1,1,2-Trichloroethane	<SRL	U	100	38	0.25
Toluene	<SRL	U	100	38	0.25
Dibromochloromethane	<SRL	U	100	38	0.25
1,2-Dibromoethane	<SRL	U	100	38	0.25
Tetrachloroethylene	2680		100	38	0.25
Chlorobenzene	<SRL	U	100	38	0.25
Ethylbenzene	<SRL	U	100	38	0.25
m- & p-Xylenes	<SRL	U	100	76	0.50
Bromoform	<SRL	U	100	38	0.25
Styrene	<SRL	U	100	38	0.25
1,1,2,2-Tetrachloroethane	<SRL	U	100	38	0.25
o-Xylene	<SRL	U	100	38	0.25
4-Ethyltoluene	<SRL	U	100	38	0.25
1,3,5-Trimethylbenzene	<SRL	U	100	38	0.25
1,2,4-Trimethylbenzene	<SRL	U	100	38	0.25
Benzyl Chloride	<SRL	U	100	38	0.25
1,3-Dichlorobenzene	<SRL	U	100	38	0.25
1,4-Dichlorobenzene	<SRL	U	100	38	0.25
1,2-Dichlorobenzene	<SRL	U	100	38	0.25
Hexachlorobutadiene	<SRL	U	100	38	0.25
REB-Surrogate Std. % Recovery	100%			70-130%	

U - Compound was analyzed for, but was not detected at or above the SRL.


Sucha S. Parinar, PhD
Technical Director





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT
PROJECT NO
MATRIX
UNITS

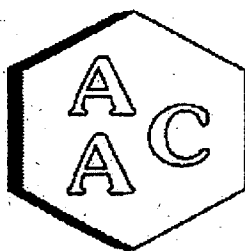
Environmental Protection Agency
090994
AIR
ug/m3

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	B7LT8			Sample Reporting Limit (SRL) (MRL x DF's)	Method Reporting Limit (MRL)
AAC ID	090994-42513				
Sampling Date/Time	12/16/2009 01:52 PM				
Analysis Date/Time	12/18/2009 02:33 PM				
QC Batch	MS03 121809				
Can Dilution Factor	1.52				
	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	100	134	0.9
Dichlorodifluoromethane	<SRL	U	100	160	1.1
Chloromethane	<SRL	U	100	78	0.5
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	<SRL	U	100	266	1.7
Vinyl Chloride	<SRL	U	100	97	0.6
1,3-Butadiene	<SRL	U	100	84	0.6
Bromomethane	<SRL	U	100	148	1.0
Chloroethane	<SRL	U	100	100	0.7
Dichlorofluoromethane	<SRL	U	100	160	1.1
Vinyl Bromide	<SRL	U	100	166	1.1
Trichlorofluoromethane	<SRL	U	100	198	1.3
1,1-Dichloroethylene	587		100	149	1.0
Allyl Chloride	<SRL	U	100	119	0.8
1,1,2-Trichloro-1,2,2-Trifluoroethane	14700		100	291	1.9
1,1,2-Dichloroethylene	807		100	151	1.0
1,1-Dichloroethane	640		100	152	1.0
MTBE	<SRL	U	100	137	0.9
cis-1,2-Dichloroethene	52400		2500	3728	1.0
Chloroform	<SRL	U	100	186	1.2
1,2-Dichloroethane	<SRL	U	100	152	1.0
1,1,1-Trichloroethane	10800		100	207	1.4





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT
PROJECT NO
MATRIX
UNITS

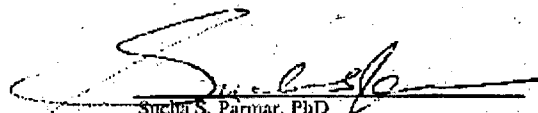
Environmental Protection Agency
090994
ATR
ug/m3

DATE SHIPPED 12/11/2009
DATE RECEIVED 12/14/2009
DATE REPORTED 12/21/2009
COC NUMBER 09-0023

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	B7LT8			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
AAC ID	090994-42513				
Sampling Date/Time	12/10/2009 01:52 PM				
Analysis Date/Time	12/18/2009 02:33 PM				
OC Batch	MS03 121809				
Can Dilution Factor	1.52				
	Result	Qualifier	Analysis DF		
Benzene	<SRL	U	100	121	0.8
Carbon Tetrachloride	<SRL	U	100	239	1.6
1,2-Dichloropropane	<SRL	U	100	176	1.2
Bromodichloromethane	<SRL	U	100	255	1.7
Trichloroethene	742000		2500	5087	1.3
cis-1,3-Dichloropropene	<SRL	U	100	169	1.1
trans-1,3-Dichloropropene	<SRL	U	100	169	1.1
1,1,2-Trichloroethane	<SRL	U	100	207	1.4
Toluene	<SRL	U	100	143	0.9
Dibromochloromethane	<SRL	U	100	324	2.1
1,2-Dibromoethane	<SRL	U	100	287	1.9
Tetrachloroethylene	18200		100	258	1.7
Chlorobenzene	<SRL	U	100	175	1.2
Ethylbenzene	<SRL	U	100	165	1.1
m- & p-Xylenes	<SRL	U	100	329	2.2
Bromoform	<SRL	U	100	393	2.6
Styrene	<SRL	U	100	162	1.1
1,1,2,2-Tetrachloroethane	<SRL	U	100	261	1.7
o-Xylene	<SRL	U	100	165	1.1
4-Ethyltoluene	<SRL	U	100	187	1.2
1,3,5-Trimethylbenzene	<SRL	U	100	186	1.2
1,2,4-Trimethylbenzene	<SRL	U	100	186	1.2
Benzyl Chloride	<SRL	U	100	197	1.3
1,3-Dichlorobenzene	<SRL	U	100	228	1.5
1,4-Dichlorobenzene	<SRL	U	100	228	1.5
1,2-Dichlorobenzene	<SRL	U	100	228	1.5
Hexachlorobutadiene	<SRL	U	100	405	2.7
BFB Surrogate Std. % Recovery	100%			70-130%	

U - Compound was analyzed for, but was not detected at or above the SRL.


Suchi S. Parmar, PhD
Technical Director

