Atmospheric Analysis & Consulting, Inc.

CLIENT	:	Sacramento Metropolitan AQMD
PROJECT NAME	:	AB617 VOC Analysis
PROJECT NO.	:	Contract 2023-00000016
AAC PROJECT NO.	:	232511
REPORT DATE	:	12/14/2023

On December 4, 2023, Atmospheric Analysis & Consulting, Inc. received four (4) 6.0-Liter Silonite Canisters for Volatile Organic Compounds and Tentatively Identified Compounds (TICs) analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
617Fern 001790	232511-51951	1196.5
617Fern 001862	232511-51952	1192.0
617Fern 001728	232511-51953	1155.0
Peace Lutheran 001741	232511-51954	496.0

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 14 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : Sacramento Metropolitan AQMD
PROJECT NO : 232511
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 12/04/2023
DATE REPORTED : 12/14/2023
ANALYST : DL/CH

TENTATIVELY IDENTIFIED COMPOUNDS (TICs) BY EPA TO-15

Client ID	617Fern 001790		
AAC ID	232511-51951		
Date Sampled	11/08/2023		
Date Analyzed	12/05/2023		
Can Dilution Factor	1.00		
Compound	Result[1]	Analysis DF	ID Quality[2]
n-Butyl acetate	ND	1	50
Acetonitrile	ND	1	50
d-Limonene	ND	1	50
BFB-Surrogate Std. % Recovery	96%		

Client ID	617Fern 001862		
AAC ID	232511-51952		
Date Sampled	11/14/2023		
Date Analyzed	12/05/2023		
Can Dilution Factor	1.00		
Compound	Result[1]	Analysis DF	ID Quality[2]
n-Butyl acetate	ND	1	50
Acetonitrile	ND	1	50
d-Limonene	ND	1	50
BFB-Surrogate Std. % Recovery	97%		

[1] Results obtained via TICs analysis are estimated
[2] Spectral Library match quality ranges from 1-99

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : Sacramento Metropolitan AQMD
PROJECT NO : 232511
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 12/04/2023
DATE REPORTED : 12/14/2023
ANALYST : DL/CH

TENTATIVELY IDENTIFIED COMPOUNDS (TICs) BY EPA TO-15

Client ID	617Fern 001728		
AAC ID	232511-51953		
Date Sampled	11/20/2023		
Date Analyzed	12/05/2023		
Can Dilution Factor	1.00		
Compound	Result[1]	Analysis DF	ID Quality[2]
n-Butyl acetate	ND	1	50
Acetonitrile	ND	1	50
d-Limonene	ND	1	50
BFB-Surrogate Std. % Recovery	98%		

Client ID	Peace Lutheran 001741		
AAC ID	232511-51954		
Date Sampled	11/08/2023		
Date Analyzed	12/05/2023		
Can Dilution Factor	2.06		
Compound	Result[1]	Analysis DF	ID Quality[2]
n-Butyl acetate	ND	1	50
Acetonitrile	ND	1	50
d-Limonene	ND	1	50
BFB-Surrogate Std. % Recovery	99%		

[1] Results obtained via TICs analysis are estimated
[2] Spectral Library match quality ranges from 1-99

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : Sacramento Metropolitan AQMD
PROJECT NO : 232511
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 12/04/2023
DATE REPORTED : 12/14/2023
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	617Fern 001790			Sample Quantitation Limit (SQL) (PQLxDF's)	617Fern 001862			Sample Quantitation Limit (SQL) (PQLxDF's)	Practical Quantitation Limit (PQL)
AAC ID	232511-51951				232511-51952				
Date Sampled	11/08/2023				11/14/2023				
Date Analyzed	12/05/2023				12/05/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Propene	<SDL	ND	1	1.00	<SDL	ND	1	1.00	1.00
Dichlorodifluoromethane	0.38	J	1	0.50	<SDL	ND	1	0.50	0.50
Dimethyl Ether	0.15	J	1	0.50	0.16	J	1	0.50	0.50
Chloromethane	0.55		1	0.50	0.54		1	0.50	0.50
Dichlorotetrafluoroethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Vinyl Chloride	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Acetaldehyde	4.49	J	1	5.00	6.23		1	5.00	5.00
Methanol	4.77	J	1	5.00	9.30		1	5.00	5.00
1,3-Butadiene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Bromomethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Chloroethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Dichlorofluoromethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Ethanol	10.4		1	2.00	32.4		1	2.00	2.00
Vinyl Bromide	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Acrolein	<SDL	ND	1	1.00	<SDL	ND	1	1.00	1.00
Acetone	7.61		1	2.00	6.67		1	2.00	2.00
Trichlorofluoromethane	0.23	J	1	0.50	0.23	J	1	0.50	0.50
2-Propanol (IPA)	0.73	J	1	2.00	1.39	J	1	2.00	2.00
Acrylonitrile	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,1-Dichloroethene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Methylene Chloride (DCM)	0.08	J	1	1.00	0.13	J	1	1.00	1.00
TertButanol (TBA)	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Allyl Chloride	<SDL	ND	1	1.00	<SDL	ND	1	1.00	1.00
Carbon Disulfide	<SDL	ND	1	2.00	<SDL	ND	1	2.00	2.00
Trichlorotrifluoroethane	<SDL	ND	1	0.50	0.10	J	1	0.50	0.50
trans-1,2-Dichloroethene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,1-Dichloroethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Vinyl Acetate	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
2-Butanone (MEK)	0.38	J	1	1.00	0.58	J	1	1.00	1.00
cis-1,2-Dichloroethene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Hexane	0.21	J	1	0.50	<SDL	ND	1	0.50	0.50
Chloroform	<SDL	ND	1	0.50	0.05	J	1	0.50	0.50
Ethyl Acetate	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Tetrahydrofuran	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,2-Dichloroethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,1,1-Trichloroethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Benzene	0.23	J	1	0.50	0.25	J	1	0.50	0.50
Carbon Tetrachloride	0.06	J	1	0.50	0.08	J	1	0.50	0.50
Cyclohexane	0.14	J	1	0.50	0.15	J	1	0.50	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : Sacramento Metropolitan AQMD
PROJECT NO : 232511
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 12/04/2023
DATE REPORTED : 12/14/2023
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	617Fern 001790			Sample Quantitation Limit (SQL) (PQLxDF's)	617Fern 001862			Sample Quantitation Limit (SQL) (PQLxDF's)	Practical Quantitation Limit (PQL)
AAC ID	232511-51951				232511-51952				
Date Sampled	11/08/2023				11/14/2023				
Date Analyzed	12/05/2023				12/05/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
1,2-Dichloropropane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Bromodichloromethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,4-Dioxane	<SDL	ND	1	1.00	<SDL	ND	1	1.00	1.00
Trichloroethene (TCE)	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
2,2,4-Trimethylpentane	0.14	J	1	0.50	0.10	J	1	0.50	0.50
Methyl Methacrylate	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Heptane	0.12	J	1	0.50	0.11	J	1	0.50	0.50
cis-1,3-Dichloropropene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
trans-1,3-Dichloropropene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,1,2-Trichloroethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Toluene	0.59		1	0.50	0.46	J	1	0.50	0.50
2-Hexanone (MBK)	0.06	J	1	1.00	<SDL	ND	1	1.00	1.00
Dibromochloromethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,2-Dibromoethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Tetrachloroethene (PCE)	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Chlorobenzene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Ethylbenzene	0.08	J	1	0.50	0.15	J	1	0.50	0.50
m & p-Xylene	0.29	J	1	1.00	0.24	J	1	1.00	1.00
Bromoform	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Styrene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
o-Xylene	<SDL	ND	1	0.50	0.12	J	1	0.50	0.50
1,2,3-Trichloropropane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Isopropylbenzene (Cumene)	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
α-Pinene	<SDL	ND	1	0.50	0.10	J	1	0.50	0.50
2-Chlorotoluene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
n-Propylbenzene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
4-Ethyltoluene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,3,5-Trimethylbenzene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
β-Pinene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,2,4-Trimethylbenzene	0.07	J	1	0.50	0.05	J	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,3-Dichlorobenzene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,4-Dichlorobenzene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Sec-ButylBenzene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,2-Dichlorobenzene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
n-ButylBenzene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,2-Dibromo-3-Chloropropane	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
1,2,4-Trichlorobenzene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Naphthalene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
Hexachlorobutadiene	<SDL	ND	1	0.50	<SDL	ND	1	0.50	0.50
BFB-Surrogate Std. % Recovery		94%				96%			70-130%

SDL - Sample Detection Limit
ND - Not Detected
J - Estimated value between the SDL and the SQL

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : Sacramento Metropolitan AQMD
PROJECT NO : 232511
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 12/04/2023
DATE REPORTED : 12/14/2023
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	617Fern 001728			Sample Quantitation Limit (SQL) (PQLxDF's)	Peace Lutheran 001741			Sample Quantitation Limit (SQL) (PQLxDF's)	Practical Quantitation Limit (PQL)
AAC ID	232511-51953				232511-51954				
Date Sampled	11/20/2023				11/08/2023				
Date Analyzed	12/05/2023				12/05/2023				
Can Dilution Factor	1.00				2.06				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Propene	<SDL	ND	1	1.00	<SDL	ND	1	2.06	1.00
Dichlorodifluoromethane	0.10	J	1	0.50	<SDL	ND	1	1.03	0.50
Dimethyl Ether	<SDL	ND	1	0.50	0.25	J	1	1.03	0.50
Chloromethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Dichlorotetrafluoroethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Vinyl Chloride	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Acetaldehyde	1.09	J	1	5.00	<SDL	ND	1	10.3	5.00
Methanol	1.46	J	1	5.00	1.85	J	1	10.3	5.00
1,3-Butadiene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Bromomethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Chloroethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Dichlorofluoromethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Ethanol	2.24		1	2.00	2.88	J	1	4.12	2.00
Vinyl Bromide	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Acrolein	<SDL	ND	1	1.00	<SDL	ND	1	2.06	1.00
Acetone	1.11	J	1	2.00	3.42	J	1	4.12	2.00
Trichlorofluoromethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
2-Propanol (IPA)	0.13	J	1	2.00	0.25	J	1	4.12	2.00
Acrylonitrile	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,1-Dichloroethene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Methylene Chloride (DCM)	<SDL	ND	1	1.00	<SDL	ND	1	2.06	1.00
TertButanol (TBA)	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Allyl Chloride	<SDL	ND	1	1.00	<SDL	ND	1	2.06	1.00
Carbon Disulfide	<SDL	ND	1	2.00	<SDL	ND	1	4.12	2.00
Trichlorotrifluoroethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
trans-1,2-Dichloroethene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,1-Dichloroethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Methyl Tert Butyl Ether (MTBE)	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Vinyl Acetate	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
2-Butanone (MEK)	<SDL	ND	1	1.00	<SDL	ND	1	2.06	1.00
cis-1,2-Dichloroethene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Hexane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Chloroform	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Ethyl Acetate	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Tetrahydrofuran	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,2-Dichloroethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,1,1-Trichloroethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Benzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Carbon Tetrachloride	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Cyclohexane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : Sacramento Metropolitan AQMD
PROJECT NO : 232511
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 12/04/2023
DATE REPORTED : 12/14/2023
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	617Fern 001728			Sample Quantitation Limit (SQL) (PQLxDF's)	Peace Lutheran 001741			Sample Quantitation Limit (SQL) (PQLxDF's)	Practical Quantitation Limit (PQL)
AAC ID	232511-51953				232511-51954				
Date Sampled	11/20/2023				11/08/2023				
Date Analyzed	12/05/2023				12/05/2023				
Can Dilution Factor	1.00				2.06				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
1,2-Dichloropropane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Bromodichloromethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,4-Dioxane	<SDL	ND	1	1.00	<SDL	ND	1	2.06	1.00
Trichloroethene (TCE)	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
2,2,4-Trimethylpentane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Methyl Methacrylate	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Heptane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
cis-1,3-Dichloropropene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
4-Methyl-2-pentanone (MiBK)	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
trans-1,3-Dichloropropene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,1,2-Trichloroethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Toluene	0.09	J	1	0.50	0.21	J	1	1.03	0.50
2-Hexanone (MBK)	<SDL	ND	1	1.00	<SDL	ND	1	2.06	1.00
Dibromochloromethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,2-Dibromoethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Tetrachloroethene (PCE)	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Chlorobenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Ethylbenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
m & p-Xylene	<SDL	ND	1	1.00	<SDL	ND	1	2.06	1.00
Bromoform	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Styrene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,1,2,2-Tetrachloroethane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
o-Xylene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,2,3-Trichloropropane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Isopropylbenzene (Cumene)	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
α-Pinene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
2-Chlorotoluene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
n-Propylbenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
4-Ethyltoluene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,3,5-Trimethylbenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
β-Pinene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,2,4-Trimethylbenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Benzyl Chloride (a-Chlorotoluene)	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,3-Dichlorobenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,4-Dichlorobenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Sec-ButylBenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,2-Dichlorobenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
n-ButylBenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,2-Dibromo-3-Chloropropane	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
1,2,4-Trichlorobenzene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Naphthalene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
Hexachlorobutadiene	<SDL	ND	1	0.50	<SDL	ND	1	1.03	0.50
BFB-Surrogate Std. % Recovery		99%				97%			70-130%

SDL - Sample Detection Limit
ND - Not Detected
J - Estimated value between the SDL and the SQL

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 12/05/2023
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 11/30/2023 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.47	101
Chlorodifluoromethane	10.30	9.85	96
Propene	10.70	9.75	91
Dichlorodifluoromethane	10.40	10.56	102
Dimethyl Ether	10.20	9.31	91
Chloromethane	10.50	9.53	91
Dichlorotetrafluoroethane	10.20	10.23	100
Vinyl Chloride	10.60	10.07	95
Acetaldehyde	21.00	19.71	94
Methanol	19.00	21.18	111
1,3-Butadiene	10.70	10.58	99
Bromomethane	10.40	9.97	96
Chloroethane	10.40	9.70	93
Dichlorofluoromethane	10.20	9.89	97
Ethanol	11.40	10.92	96
Vinyl Bromide	10.10	10.12	100
Acrolein	10.90	10.82	99
Acetone	10.60	10.16	96
Trichlorofluoromethane	10.50	10.23	97
2-Propanol (IPA)	11.00	10.37	94
Acrylonitrile	11.00	11.54	105
1,1-Dichloroethene	10.50	10.28	98
Methylene Chloride (DCM)	10.40	10.19	98
TertButanol (TBA)	11.10	10.37	93
Allyl Chloride	10.20	9.68	95
Carbon Disulfide	10.50	10.19	97
Trichlorotrifluoroethane	10.30	10.03	97
trans-1,2-Dichloroethene	10.80	10.65	99
1,1-Dichloroethane	10.70	10.37	97
Methyl Tert Butyl Ether (MTBE)	10.70	10.06	94
Vinyl Acetate	11.00	10.61	96
2-Butanone (MEK)	10.70	10.05	94
cis-1,2-Dichloroethene	10.70	10.76	101
Hexane	10.80	10.81	100
Chloroform	10.70	10.41	97
Ethyl Acetate	10.70	9.96	93
Tetrahydrofuran	10.40	9.72	93
1,2-Dichloroethane	10.60	10.34	98
1,1,1-Trichloroethane	10.50	9.93	95
Benzene	10.70	10.47	98
Carbon Tetrachloride	10.30	9.94	97
Cyclohexane	10.50	10.32	98

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.06	94
Bromodichloromethane	10.50	10.21	97
1,4-Dioxane	10.50	10.07	96
Trichloroethene (TCE)	10.50	10.06	96
2,2,4-Trimethylpentane	10.10	9.61	95
Methyl Methacrylate	11.00	10.92	99
Heptane	10.50	10.47	100
cis-1,3-Dichloropropene	10.50	10.09	96
4-Methyl-2-pentanone (MiBK)	10.50	9.81	93
trans-1,3-Dichloropropene	10.60	10.31	97
1,1,2-Trichloroethane	10.60	10.32	97
Toluene	10.80	10.53	98
2-Hexanone (MBK)	10.50	10.01	95
Dibromochloromethane	10.60	9.98	94
1,2-Dibromoethane	10.60	10.31	97
Tetrachloroethene (PCE)	10.50	10.09	96
Chlorobenzene	10.80	10.35	96
Ethylbenzene	10.60	10.44	98
m & p-Xylene	21.20	20.43	96
Bromoform	10.60	10.32	97
Styrene	10.60	10.55	100
1,1,2,2-Tetrachloroethane	10.60	10.10	95
o-Xylene	10.60	10.33	97
1,2,3-Trichloropropane	11.00	10.86	99
Isopropylbenzene (Cumene)	10.40	10.11	97
α-Pinene	10.80	9.27	86
2-Chlorotoluene	10.30	10.32	100
n-Propylbenzene	10.10	9.91	98
4-Ethyltoluene	10.40	10.17	98
1,3,5-Trimethylbenzene	10.30	9.98	97
β-Pinene	10.90	12.46	114
1,2,4-Trimethylbenzene	10.30	9.91	96
Benzyl Chloride (a-Chlorotoluene)	10.30	8.87	86
1,3-Dichlorobenzene	10.30	10.14	98
1,4-Dichlorobenzene	10.20	9.98	98
Sec-ButylBenzene	10.10	9.68	96
1,2-Dichlorobenzene	10.40	10.48	101
n-ButylBenzene	10.30	9.69	94
1,2-Dibromo-3-Chloropropane	10.30	9.37	91
1,2,4-Trichlorobenzene	10.50	10.35	99
Naphthalene	10.90	11.47	105
Hexachlorobutadiene	10.80	9.68	90

[1] Concentration of analyte compound in certified source standard.
[2] Measured result from daily Continuing Calibration Verification (CCV).
[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 12/05/2023
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.47	9.59	101	102	1.3
1,1-Dichloroethene	0.0	10.50	10.28	10.69	98	102	3.9
Methylene Chloride (DCM)	0.0	10.40	10.19	10.16	98	98	0.3
Benzene	0.0	10.70	10.47	10.39	98	97	0.8
Trichloroethene (TCE)	0.0	10.50	10.06	10.05	96	96	0.1
Toluene	0.0	10.80	10.53	10.45	98	97	0.8
Tetrachloroethene (PCE)	0.0	10.50	10.09	10.16	96	97	0.7
Chlorobenzene	0.0	10.80	10.35	10.36	96	96	0.1
Ethylbenzene	0.0	10.60	10.44	10.25	98	97	1.8
m & p-Xylene	0.0	21.20	20.43	20.01	96	94	2.1
o-Xylene	0.0	10.60	10.33	10.15	97	96	1.8

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 12/05/2023 **INSTRUMENT ID : GC/MS-04**
MATRIX : High Purity He or N_2 **ANALYST : DL**
UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 120523*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	0%	100±30%
Chlorodifluoromethane	<RL	5.0
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 120523*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 12/05/2023
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x2.54

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232515-52014

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.97	8.98	0.1
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol J	3.26	3.41	4.6
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	<SRL	<SRL	*NA*
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 12/05/2023
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 120523*	*PQL [1]*	*MDL [2]*
4-BFB (surrogate standard)	88%	100±30%	*NA*
Chlorodifluoromethane	<PQL	0.5	0.035
Propene	<PQL	1.0	0.034
Dichlorodifluoromethane	<PQL	0.5	0.024
Dimethyl Ether	<PQL	0.5	0.096
Chloromethane	<PQL	0.5	0.084
Dichlorotetrafluoroethane	<PQL	0.5	0.031
Vinyl Chloride	<PQL	0.5	0.057
Acetaldehyde	<PQL	5.0	0.531
Methanol	<PQL	5.0	0.394
1,3-Butadiene	<PQL	0.5	0.057
Bromomethane	<PQL	0.5	0.065
Chloroethane	<PQL	0.5	0.390
Dichlorofluoromethane	<PQL	0.5	0.022
Ethanol	<PQL	2.0	0.109
Vinyl Bromide	<PQL	0.5	0.057
Acrolein	<PQL	1.0	0.043
Acetone	<PQL	2.0	0.100
Trichlorofluoromethane	<PQL	0.5	0.031
2-Propanol (IPA)	<PQL	2.0	0.028
Acrylonitrile	<PQL	0.5	0.130
1,1-Dichloroethene	<PQL	0.5	0.056
Methylene Chloride (DCM)	<PQL	1.0	0.028
TertButanol (TBA)	<PQL	0.5	0.017
Allyl Chloride	<PQL	1.0	0.043
Carbon Disulfide	<PQL	2.0	0.057
Trichlorotrifluoroethane	<PQL	0.5	0.043
trans-1,2-Dichloroethene	<PQL	0.5	0.044
1,1-Dichloroethane	<PQL	0.5	0.034
Methyl Tert Butyl Ether (MTBE)	<PQL	0.5	0.025
Vinyl Acetate	<PQL	0.5	0.049
2-Butanone (MEK)	<PQL	1.0	0.109
cis-1,2-Dichloroethene	<PQL	0.5	0.057
Hexane	<PQL	0.5	0.138
Chloroform	<PQL	0.5	0.015
Ethyl Acetate	<PQL	0.5	0.044
Tetrahydrofuran	<PQL	0.5	0.074
1,2-Dichloroethane	<PQL	0.5	0.043
1,1,1-Trichloroethane	<PQL	0.5	0.035
Benzene	<PQL	0.5	0.034
Carbon Tetrachloride	<PQL	0.5	0.036
Cyclohexane	<PQL	0.5	0.081

Analyte Compounds (Continued)	*MB 120523*	*PQL [1]*	*MDL [2]*
1,2-Dichloropropane	<PQL	0.5	0.039
Bromodichloromethane	<PQL	0.5	0.028
1,4-Dioxane	<PQL	1.0	0.048
Trichloroethene (TCE)	<PQL	0.5	0.036
2,2,4-Trimethylpentane	<PQL	0.5	0.017
Methyl Methacrylate	<PQL	0.5	0.056
Heptane	<PQL	0.5	0.035
cis-1,3-Dichloropropene	<PQL	0.5	0.034
4-Methyl-2-pentanone (MiBK)	<PQL	0.5	0.036
trans-1,3-Dichloropropene	<PQL	0.5	0.051
1,1,2-Trichloroethane	<PQL	0.5	0.034
Toluene	<PQL	0.5	0.036
2-Hexanone (MBK)	<PQL	1.0	0.030
Dibromochloromethane	<PQL	0.5	0.012
1,2-Dibromoethane	<PQL	0.5	0.031
Tetrachloroethene (PCE)	<PQL	0.5	0.036
Chlorobenzene	<PQL	0.5	0.040
Ethylbenzene	<PQL	0.5	0.034
m & p-Xylene	<PQL	1.0	0.022
Bromoform	<PQL	0.5	0.028
Styrene	<PQL	0.5	0.015
1,1,2,2-Tetrachloroethane	<PQL	0.5	0.024
o-Xylene	<PQL	0.5	0.035
1,2,3-Trichloropropane	<PQL	0.5	0.062
Isopropylbenzene (Cumene)	<PQL	0.5	0.028
α-Pinene	<PQL	0.5	0.059
2-Chlorotoluene	<PQL	0.5	0.036
n-Propylbenzene	<PQL	0.5	0.038
4-Ethyltoluene	<PQL	0.5	0.024
1,3,5-Trimethylbenzene	<PQL	0.5	0.022
β-Pinene	<PQL	0.5	0.035
1,2,4-Trimethylbenzene	<PQL	0.5	0.028
Benzyl Chloride (a-Chlorotoluene)	<PQL	0.5	0.044
1,3-Dichlorobenzene	<PQL	0.5	0.015
1,4-Dichlorobenzene	<PQL	0.5	0.025
Sec-ButylBenzene	<PQL	0.5	0.012
1,2-Dichlorobenzene	<PQL	0.5	0.030
n-ButylBenzene	<PQL	0.5	0.030
1,2-Dibromo-3-Chloropropane	<PQL	0.5	0.060
1,2,4-Trichlorobenzene	<PQL	0.5	0.084
Naphthalene	<PQL	0.5	0.093
Hexachlorobutadiene	<PQL	0.5	0.040

[1] Practical Quantitation Limit (PQL)
[2] Method Detection Limit (MDL)

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

ATMOSPHERIC ANALYSIS & CONSULTING, INC.
1534 Eastman Avenue, Suite A
Ventura, California 93003
Phone (805) 650-1642 Fax (805) 650-1644
E-mail: info@aaclab.com

AAC Project No. 232511

CHAIN OF CUSTODY/ ANALYSIS REQUEST FORM

Client Name: Sacramento Metropolitan AQMD
Project Name: AB617 VOC Analysis
Project Mgr (Print Name): Levi Ford
Project Number: Contract 2023-00000016
Sampler's Name (Print Name): Gabriela Rico
Sampler's Signature:

Analysis Requested

AAC Sample No.	Date Sampled	Time Sampled	Sample Type	Client Sample ID/Description	Type/No. of Containers	TO-15 extended list	TIC	PAMS C2-C12			
001790	11/08/23	00:00-24:00	VOC	51951 617Fern	Silonite 1	X	X	X			
001862	11/14/23	00:00-24:00	VOC	51952 617Fern	Silonite 1	X	X	X			
001728	11/20/23	00:00-24:00	VOC	51953 617Fern	Silonite 1	X	X	X			
001741	11/08/23	00:00-24:00	VOC	51954 ~~617Fern~~ LF 12/12/23	Silonite 1	X					
				Peace Lutheran	Silonite 1						
					Silonite 1						
					Silonite 1						
					Silonite 1						
					Silonite 1						
					Silonite 1						
					Silonite 1						
					Silonite 1						

Send report:
Attn: Levi Ford
Phone#: 916-307-0505

Send Invoice to:
Attn: Acct Payable
P.O. # Cite contract #

Turnaround Time
24 - 48 Hr ____ 72 Hr ____
5 Day ____ Normal X

Special Instructions/remarks:

Relinquished by (Signature):
Print Name: Gabriela Rico
Date: 11/30/23 12/4/23 1015
Received by (signature):
Print Name: Hunter Everson

Ex 2 UK
12/4/23 can 5

ATMOSPHERIC ANALYSIS & CONSULTING, INC.
1534 Eastman Avenue, Suite A
Ventura, California 93003
Phone (805) 650-1642 Fax (805) 650-1644
E-mail: info@aaclab.com

AAC Project No. 232311

CHAIN OF CUSTODY/ ANALYSIS REQUEST FORM

Client Name: Sacramento Metropolitan AQMD
Project Name: AB617 VOC Analysis
Project Mgr (Print Name): Levi Ford
Project Number: Contract 2023-00000016
Sampler's Name (Print Name): Gabriela Rico
Sampler's Signature:

Analysis Requested

AAC Sample No.	Date Sampled	Time Sampled	Sample Type	Client Sample ID/Description	Type/No. of Containers	TO-15 extended list	TIC	PAMS C2-C12			
001790	11/08/23	00:00-24:00	VOC	51951 617Fern	Silonite 1	X	X	X			
001862	11/14/23	00:00-24:00	VOC	51952 617Fern	Silonite 1	X	X	X			
001728	11/20/23	00:00-24:00	VOC	51953 617Fern	Silonite 1	X	X	X			
001741	11/08/23	00:00-24:00	VOC	51954 617Fern	Silonite 1	X					
					Silonite 1						
					Silonite 1						
					Silonite 1						
					Silonite 1						
					Silonite 1						
					Silonite 1						
					Silonite 1						
					Silonite 1						

Send report:
Attn: Levi Ford
Phone#: 916-307-0505

Send invoice to:
Attn: Acct Payable
P.O. # Cite contract #

Turnaround Time
24 - 48 Hr ____ 72 Hr ____
5 Day ____ Normal X

Special Instructions/remarks:

Relinquished by (Signature):
Print Name: Gabriela Rico
Date: 11/30/23 12/1/23 1015
Received by (signature):
Print Name: Hunter Gibson

Fx 2 12/8/23 scan 5

232511

SMAQMD VOC Canister Data Record Sheet

Site Name: 617 Fern	AAC Sample #: 001790
Setup Date: 11/07/2023	Field Tech: G.Rico

Pre-Sampling Information:

Start Date: 11/08/2023	Start Time: ~~00:01~~ GR 14:30 (00:00 PST)
Start Pressure: 0.01 psia	Leak Check: PASS / FAIL

Observations/Comments:

Post-Sampling Information

Stop Date: 11/09/2023	Stop Time: ~~00:01~~ 14:30 GR (00:00 PST)
Stop Pressure: 23.77 psia	Leak Check: PASS / FAIL

Observations/Comments:

Chain of Custody

ACTION	DATE	TIME	NAME
Sample Removal	11/07/2023	**10:35**	**G.R.**
Sample Removal	11/09/2023	**12:00**	**G.R.**

232511

SMAQMD VOC Canister Data Record Sheet

Site Name: Peace Lutheran Church	AAC Sample #: 001741
Setup Date:	Field Tech: F.Wulff

Pre-Sampling Information:

Start Date: 11/08/2023	Start Time: 00:00 (00:00 PST)
Start Pressure: ~~0.01 psia~~ -30 in Hg	Leak Check: PASS / FAIL

Observations/Comments: Collocation sample along eGc Enmet

Post-Sampling Information

Stop Date: 11/09/2023	Stop Time: 00:00 (00:00 PST)
Stop Pressure: ~~22.00psia~~ 9 in Hg	Leak Check: PASS / FAIL

Observations/Comments:

Chain of Custody

ACTION	DATE	TIME	NAME
Sample Removal	11/8/23	13:00	F.W.
Sample Removal	11/16/23	11:30	F.W.

232511

SMAQMD VOC Canister Data Record Sheet

Site Name: 617 Fern	AAC Sample #: 001862
Setup Date: 11/14/2023	Field Tech: G.Rico

Pre-Sampling Information:

Start Date: 11/14/2023	Start Time: 00:00 (00:00 PST)
Start Pressure: 0.01 psia	Leak Check: PASS / FAIL

Observations/Comments:

Post-Sampling Information

Stop Date: 11/15/2023	Stop Time: 00:00 (00:00 PST)
Stop Pressure: 23.79 psia	Leak Check: PASS / FAIL

Observations/Comments:

Chain of Custody

ACTION	DATE	TIME	NAME
Sample Removal	11/09/2023	**12:00**	**G.R.**
Sample Removal	11/15/2023	**13:00**	**G.R.**

<523 11

SMAQMD VOC Canister Data Record Sheet

Site Name: 617 Fern	AAC Sample #: 001728
Setup Date: 11/15/2023	Field Tech: G.Rico

Pre-Sampling Information:

Start Date: 11/20/2023	Start Time: 00:00 (00:00 PST)
Start Pressure: 0.01 psia	Leak Check: PASS / FAIL

Observations/Comments:

Post-Sampling Information

Stop Date: 11/21/2023	Stop Time: 00:00 (00:00 PST)
Stop Pressure: 22.96 psia	Leak Check: PASS / FAIL

Observations/Comments:

Chain of Custody

ACTION	DATE	TIME	NAME
Sample Removal	11/15/2023	**13:00**	**G.R.**
Sample Removal	11/21/2023	**9:40**	**G.R.**