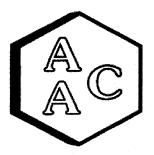
Volatile Organic Compound Analysis Results for Samples Collected in Nuiqsut, Alaska

Sample Location: Nuiqsut Ambient Air Quality Monitoring Station

Date Sample Collected: 3/10/2022

Analysis Conducted by: Atmospheric Analysis & Consulting, Inc.

Analysis Method: EPA Method TO-15



Laboratory Analysis Report

CLIENT: SLR International Corporation

DATE RECEIVED: 03/14/2022

PROJECT NO: 220531

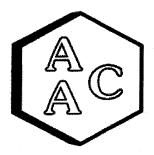
DATE REPORTED: 03/14/2022

MATRIX : AIR
UNITS : PPB (v/v)

ANALYST: MB/RC

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		NUI - unlir	Sample	/// // // // // // // // // // // // //	
AAC ID		220531-28822			Method
Date Sampled		03/10/2022			Reporting
Date Analyzed		03/14/2022			Limit
Can Dilution Factor		1.55			(MRL)
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	(WIKL)
Chlorodifluoromethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Propene	<srl< td=""><td>U</td><td>11</td><td>1.55</td><td>1.00</td></srl<>	U	11	1.55	1.00
Dichlorodifluoromethane	<srl< td=""><td>U</td><td>11</td><td>0.77</td><td>0.50</td></srl<>	U	11	0.77	0.50
Chloromethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Dichlorotetrafluoroethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0,50</td></srl<>	U	1	0.77	0,50
Vinyl Chloride	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0,50</td></srl<>	U	1	0.77	0,50
Methanol	<srl< td=""><td>U</td><td>1</td><td>7.74</td><td>5.00</td></srl<>	U	1	7.74	5.00
1,3-Butadiene	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Bromomethane	<srl< td=""><td>Ū</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ū	1	0.77	0.50
Chloroethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Dichlorofluoromethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Ethanol	<srl< td=""><td>U</td><td>1</td><td>3.10</td><td>2.00</td></srl<>	U	1	3.10	2.00
Vinyl Bromide	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Acetone	<srl< td=""><td>U</td><td>1</td><td>3,10</td><td>2.00</td></srl<>	U	1	3,10	2.00
Trichlorofluoromethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
2-Propanol (IPA)	<srl< td=""><td>U</td><td>1</td><td>3.10</td><td>2.00</td></srl<>	U	1	3.10	2.00
Acrylonitrile	<srl< td=""><td>Ū</td><td>1</td><td>3.10</td><td>2.00</td></srl<>	Ū	1	3.10	2.00
1.1-Dichloroethene	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Methylene Chloride (DCM)	<srl< td=""><td>U :</td><td>1</td><td>1.55</td><td>1.00</td></srl<>	U :	1	1.55	1.00
Allyl Chloride	<srl< td=""><td>U</td><td>1</td><td>1,55</td><td>1.00</td></srl<>	U	1	1,55	1.00
Carbon Disulfide	<srl< td=""><td>U</td><td>1</td><td>3.10</td><td>2.00</td></srl<>	U	1	3.10	2.00
Trichlorotrifluoroethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
trans-1,2-Dichloroethene	<srl< td=""><td>Ū</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ū	1	0.77	0.50
1.1-Dichloroethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<srl< td=""><td>Ü</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ü	1	0.77	0.50
Vinyl Acetate	<srl< td=""><td>U</td><td>1</td><td>1.55</td><td>1.00</td></srl<>	U	1	1.55	1.00
2-Butanone (MEK)	<srl< td=""><td>Ü</td><td>i</td><td>1.55</td><td>1.00</td></srl<>	Ü	i	1.55	1.00
cis-1.2-Dichloroethene	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Hexane	<srl< td=""><td>U</td><td>i</td><td>0.77</td><td>0.50</td></srl<>	U	i	0.77	0.50
Chloroform	<srl< td=""><td>Ŭ</td><td>i</td><td>0.77</td><td>0.50</td></srl<>	Ŭ	i	0.77	0.50
Ethyl Acetate	<srl< td=""><td>Ŭ</td><td>i</td><td>0.77</td><td>0.50</td></srl<>	Ŭ	i	0.77	0.50
Tetrahydrofuran	<srl< td=""><td>Ü</td><td>i</td><td>0.77</td><td>0.50</td></srl<>	Ü	i	0.77	0.50
1.2-Dichloroethane	<srl< td=""><td>Ŭ</td><td>i</td><td>0.77</td><td>0.50</td></srl<>	Ŭ	i	0.77	0.50
			i		
		ii l	i		
1,1,1-Trichloroethane Benzene	SRL SRL	Ü	İ	0.77 0.77	0.50 0.50



Laboratory Analysis Report

CLIENT: SLR International Corporation

DATE RECEIVED: 03/14/2022

PROJECT NO: 220531

DATE REPORTED: 03/14/2022

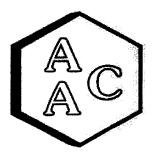
MATRIX : AIR
UNITS : PPB (v/v)

ANALYST: MB/RC

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		NUI - unlined			
AAC ID		220531-28822			Method
Date Sampled		03/10/2022			Reporting
Date Analyzed		03/14/2022			Limit
Can Dilution Factor		1.55		(SRL)	(MRL)
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	(MIXE)
Carbon Tetrachloride	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Cyclohexane	<srl< td=""><td>U</td><td>11</td><td>0.77</td><td>0.50</td></srl<>	U	11	0.77	0.50
1,2-Dichloropropane	<srl< td=""><td>U</td><td>11</td><td>0.77</td><td>0.50</td></srl<>	U	11	0.77	0.50
Bromodichloromethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
1,4-Dioxane	<srl< td=""><td>U</td><td>1</td><td>1.55</td><td>1.00</td></srl<>	U	1	1.55	1.00
Trichloroethene (TCE)	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
2,2,4-Trimethylpentane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Heptane	<srl< td=""><td>Ü</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ü	1	0.77	0.50
cis-1,3-Dichloropropene	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
trans-1,3-Dichloropropene	<srl< td=""><td>Ü</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ü	1	0.77	0.50
1,1,2-Trichloroethane	<srl< td=""><td>Ü</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ü	1	0.77	0.50
Toluene	<srl< td=""><td>Ü</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ü	1	0.77	0.50
2-Hexanone (MBK)	<srl< td=""><td>U</td><td>1</td><td>1.55</td><td>1.00</td></srl<>	U	1	1.55	1.00
Dibromochloromethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
1.2-Dibromoethane	<srl< td=""><td>Ü</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ü	1	0.77	0.50
Tetrachloroethene (PCE)	<srl< td=""><td>Ü</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ü	1	0.77	0.50
Chlorobenzene	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Ethylbenzene	<srl< td=""><td>· U</td><td>. 1</td><td>0.77</td><td>0.50</td></srl<>	· U	. 1	0.77	0.50
m & p-Xylene	<srl< td=""><td>U</td><td>1</td><td>1.55</td><td>1.00</td></srl<>	U	1	1.55	1.00
Bromoform	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
Styrene	<srl< td=""><td>Ü</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ü	1	0.77	0.50
1.1.2.2-Tetrachloroethane	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
o-Xylene	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
4-Ethyltoluene	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
1,3,5-Trimethylbenzene	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
1.2.4-Trimethylbenzene	<srl< td=""><td>Ü</td><td>l l</td><td>0.77</td><td>0.50</td></srl<>	Ü	l l	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<srl< td=""><td>Ŭ</td><td>i</td><td>0.77</td><td>0.50</td></srl<>	Ŭ	i	0.77	0.50
1.3-Dichlorobenzene	<srl< td=""><td>Ü</td><td>i</td><td>0.77</td><td>0.50</td></srl<>	Ü	i	0.77	0.50
1.4-Dichlorobenzene	<srl< td=""><td>U</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	U	1	0.77	0.50
1,2-Dichlorobenzene	<srl< td=""><td>Ü</td><td>1</td><td>0.77</td><td>0.50</td></srl<>	Ü	1	0.77	0.50
1,2,4-Trichlorobenzene	<srl< td=""><td>Ü</td><td>i</td><td>0.77</td><td>0.50</td></srl<>	Ü	i	0.77	0.50
Hexachlorobutadiene	<srl< td=""><td>Ü</td><td>i</td><td>0.77</td><td>0.50</td></srl<>	Ü	i	0.77	0.50
BFB-Surrogate Std. % Recovery	1 2132	86%			70-130%
U - Compound was not detected at or above	the SDI	<u> </u>			

U - Compound was not detected at or above the SRL.



QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE: 03/14/2022

MATRIX: High Purity N₂

UNITS: PPB (v/v)

INSTRUMENT ID: GC/MS-02

CALIBRATION STD ID: MS1-030722-01

ANALYST: RC

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/01/2022 Calibration

Analyte Compounds		Source 1	CCV ²	% Recovery 3
4-BFB (surrogate standard)		10.00	9.19	92
Chlorodifluoromethane		10.50	10.81	103
Propene	7:0	10.60	9.67	91
Dichlorodifluoromethane		10.40	11.08	107
Dimethyl Ether	LR	10.80	7.19	67
Chloromethane		10.40	8.56	82
Dichlorotetrafluoroethane		10.30	10.97	107
Vinyl Chloride		10.50	9.54	91
Acetaldehyde		22.50	21.66	96
Methanol	HR	20.10	48.30	240
1,3-Butadiene		10.60	9.06	85
Bromomethane		10.40	9.70	93
Chloroethane		10.30	8.49	82
Dichlorofluoromethane		10.50	10.80	103
Ethanol		11.20	8.38	75
Vinyl Bromide		10.50	10.59	101
Acrolein		11.10	10.27	93
Acetone		10.60	7.81	74
Trichlorofluoromethane		10.50	10.83	103
2-Propanol (IPA)		11.00	8.45	77
Acrylonitrile		11.40	9.80	86
1,1-Dichloroethene		10.40	9.25	89
Methylene Chloride (DCM)		10.50	9.52	91
TertButanol (TBA)		11.30	10.15	90
Allyl Chloride		10.40	8.43	81
Carbon Disulfide		10.50	9.88	94
Trichlorotrifluoroethane		10.40	10.25	99
trans-1,2-Dichloroethene		10.60	9.62	91
1,1-Dichloroethane		10.50	9.18	87
Methyl Tert Butyl Ether (MTBE)		10.50	7.40	70
Vinyl Acetate		11.00	9.31	85
2-Butanone (MEK)		10.60	9.06	85
cis-1,2-Dichloroethene		10.50	9.08	86
Hexane		10.70	8.25	77
Chloroform		10.60	9.21	87
Ethyl Acetate		10.60	8.69	82
Tetrahydrofuran		10.20	8.19	80
1,2-Dichloroethane		10.50	7.48	71
1,1,1-Trichloroethane		10.40	8.83	85
Benzene		10.60	8.79	83
Carbon Tetrachloride		10.20	9.39	92
Cyclohexane		10.50	8.51	81

Analyte Compounds (Continued)	Source 1	CCV ²	% Recovery 3
1,2-Dichloropropane	10.50	8.97	85
Bromodichloromethane	10.40	8.67	83
1,4-Dioxane	10.40	8.21	79
Trichloroethene (TCE)	10.40	8.58	83
2,2,4-Trimethylpentane	10.40	9.83	95
Methyl Methacrylate	11.00	8.24	75
Heptane	10,50	8.65	82
cis-1,3-Dichloropropene	10.40	8.11	78
4-Methyl-2-pentanone (MiBK)	10.40	8.46	81
trans-1,3-Dichloropropene	10.50	7.43	71
1,1,2-Trichloroethane	10.50	9.11	87
Toluene	10.60	8.88	84
2-Hexanone (MBK)	10.50	8.63	82
Dibromochloromethane	10.30	10.24	99
1,2-Dibromoethane	10.60	9.59	90
Tetrachloroethene (PCE)	10.40	8.37	80
Chlorobenzene	10.60	9.02	85
Ethylbenzene	10.50	9.48	90
m & p-Xylene	21.00	20.08	96 .
Bromoform	10.50	10.47	100
Styrene	10.50	9.64	92
1,1,2,2-Tetrachloroethane	10.50	12.09	115
o-Xylene	10.50	10.96	104
1,2,3-Trichloropropane	10.40	11.34	109
Isopropylbenzene (Cumene)	10.40	10.72	103
α-Pinene	11.40	10.18	89
2-Chlorotoluene	10.40	10.14	98
n-Propylbenzene	10.50	11.55	110
4-Ethyltoluene	10.30	10.82	105
1,3,5-Trimethylbenzene	10.30	10.51	102
β-Pinene	11.30	9.16	81
1,2,4-Trimethylbenzene	10.30	10.65	103
Benzyl Chloride (a-Chlorotoluene)	10.40	9.41	90
1,3-Dichlorobenzene	10.40	10.51	101
1,4-Dichlorobenzene	10.30	10.19	99
Sec-ButylBenzene	10.40	11.36	109
1,2-Dichlorobenzene	10.60	10.41	98
n-ButylBenzene	10.40	11.68	112
1,2-Dibromo-3-Chloropropane	10.40	10.60	102
1,2,4-Trichlorobenzene	11.00	9.24	84
Naphthalene	11.50	9.48	82
Hexachlorobutadiene	11.00	10.24	93

Page 4

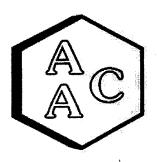


¹Concentration of analyte compound in certified source standard.

² Measured result from daily Continuing Calibration Verification (CCV).

 $^{^3}$ The acceptable range for analyte recovery is $100\pm30\%$.

HR - Recovery for this compound was high. Results should be considered biased high.



QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE: 03/14/2022

INSTRUMENT ID: GC/MS-02

MATRIX: High Purity N₂

CALIBRATION STD ID: MS1-030722-01

UNITS: PPB (v/v)

ANALYST: RC

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

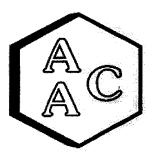
Laboratory Control Spike Analysis

System Monitoring Compounds	Sample	Spike	LCS ¹	LCSD 1	LCS ¹	LCSD 1	RPD ³
Bysiem Monitoring Compounts	Concentration	Added	Recovery	Recovery	% Recovery 2	% Recovery 2	10.2
4-BFB (surrogate standard)	0.0	10.00	9.19	9.34	91.9	93.4	1.6
1,1-Dichloroethene	0.0	10.40	9.25	9.54	89	92	3.1
Methylene Chloride (DCM)	0.0	10.50	9.52	10.06	91	96	5.5
Benzene	0.0	10.60	8.79	8.67	83	82	1.4
Trichloroethene (TCE)	0.0	10.40	8.58	8.58	83	83	0.0
Toluene	0.0	10.60	8.88	8.85	84	83	0.3
Tetrachloroethene (PCE)	0.0	10.40	8.37	8.34	80	80	0.4
Chlorobenzene	0.0	10.60	9.02	9.34	85	88	3.5
Ethylbenzene	0.0	10.50	9.48	9.77	90	93	3.0
m & p-Xylene	0.0	21.00	20.08	20.21	96	96	0.6
o-Xylene	0.0	10.50	10.96	10.99	104	105	0.3

¹Laboratory 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%).



QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE: 03/14/2022

INSTRUMENT ID: GC/MS-02

MATRIX: High Purity He or N2

UNITS: PPB (v/v)

ANALYST: RC

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

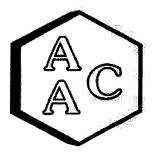
Method Blank Analysis

Analyte Compounds	MB 031422	Reporting Limit (RL)
4-BFB (surrogate standard)	84%	100±30%
Chlorodifluoromethane	···· <rl< td=""><td>0.5</td></rl<>	0.5
Propene	<rl< td=""><td>1.0</td></rl<>	1.0
Dichlorodifluoromethane	<rl< td=""><td>0.5</td></rl<>	0.5
Dimethyl Ether	<rl< td=""><td>0.5</td></rl<>	0.5
Chloromethane	<rl< td=""><td>0.5</td></rl<>	0.5
Dichlorotetrafluoroethane	<rl< td=""><td>0.5</td></rl<>	0.5
Vinyl Chloride	<rl< td=""><td>0.5</td></rl<>	0.5
Acetaldehyde	<rl< td=""><td>5.0</td></rl<>	5.0
Methanol	<rl< td=""><td>5.0</td></rl<>	5.0
1,3-Butadiene	<rl< td=""><td>0.5</td></rl<>	0.5
Bromomethane	<rl< td=""><td>0.5</td></rl<>	0.5
Chloroethane	<rl< td=""><td>0.5</td></rl<>	0.5
Dichlorofluoromethane	<rl< td=""><td>0.5</td></rl<>	0.5
Ethanol	<rl< td=""><td>2.0</td></rl<>	2.0
Vinyl Bromide	<rl< td=""><td>0.5</td></rl<>	0.5
Acrolein	<rl< td=""><td>1.0</td></rl<>	1.0
Acetone	<rl< td=""><td>2.0</td></rl<>	2.0
Trichlorofluoromethane	<rl< td=""><td>0.5</td></rl<>	0.5
2-Propanol (IPA)	<rl< td=""><td>2.0</td></rl<>	2.0
Acrylonitrile	<rl< td=""><td>2.0</td></rl<>	2.0
1,1-Dichloroethene	<rl< td=""><td>0.5</td></rl<>	0.5
Methylene Chloride (DCM)	<rl< td=""><td>1.0</td></rl<>	1.0
TertButanol (TBA)	<rl< td=""><td>0.5</td></rl<>	0.5
Allyl Chloride	<rl< td=""><td>1.0</td></rl<>	1.0
Carbon Disulfide	<rl< td=""><td>2.0</td></rl<>	2.0
Trichlorotrifluoroethane	<rl< td=""><td>0.5</td></rl<>	0.5
trans-1,2-Dichloroethene	<rl< td=""><td>0.5</td></rl<>	0.5
I,I-Dichloroethane	<rl< td=""><td>0.5</td></rl<>	0.5
Methyl Tert Butyl Ether (MTBE)	<rl< td=""><td>0.5</td></rl<>	0.5
Vinyl Acetate	<rl< td=""><td>1.0</td></rl<>	1.0
2-Butanone (MEK)	<rl< td=""><td>1.0</td></rl<>	1.0
cis-1,2-Dichloroethene	<rl< td=""><td>0.5</td></rl<>	0.5
Hexane	<rl< td=""><td>0.5</td></rl<>	0.5
Chloroform	<rl< td=""><td>0.5</td></rl<>	0.5
Ethyl Acetate	<rl< td=""><td>0.5</td></rl<>	0.5
Tetrahydrofuran	<rl< td=""><td>0.5</td></rl<>	0.5
1,2-Dichloroethane	<rl< td=""><td>0.5</td></rl<>	0.5
1,1,1-Trichloroethane	<rl< td=""><td>0.5</td></rl<>	0.5
Benzene	<rl< td=""><td>0.5</td></rl<>	0.5
Carbon Tetrachloride	<rl< td=""><td>0.5</td></rl<>	0.5
Cyclohexane	<rl< td=""><td>0.5</td></rl<>	0.5

Analyte Compounds (Continued)	MB 031422	Reporting
		Limit (RL)
1,2-Dichloropropane	<rl< td=""><td>0.5</td></rl<>	0.5
Bromodichloromethane	<rl< td=""><td>0.5</td></rl<>	0.5
1,4-Dioxane	<rl< td=""><td>1.0</td></rl<>	1.0
Trichloroethene (TCE)	<rl< td=""><td>0.5</td></rl<>	0.5
2,2,4-Trimethylpentane	<rl< td=""><td>0.5</td></rl<>	0.5
Methyl Methacrylate	<rl< td=""><td>0.5</td></rl<>	0.5
Heptane	<rl< td=""><td>0.5</td></rl<>	0.5
cis-1,3-Dichloropropene	<rl< td=""><td>0.5</td></rl<>	0.5
4-Methyl-2-pentanone (MiBK)	<rl< td=""><td>0.5</td></rl<>	0.5
trans-1,3-Dichloropropene	- <rl< td=""><td>0.5</td></rl<>	0.5
1,1,2-Trichloroethane	<rl< td=""><td>0.5</td></rl<>	0.5
Toluene	<rl< td=""><td>0.5</td></rl<>	0.5
2-Hexanone (MBK)	<rl< td=""><td>1.0</td></rl<>	1.0
Dibromochloromethane	<rl< td=""><td>0.5</td></rl<>	0.5
1,2-Dibromoethane	<rl< td=""><td>0.5</td></rl<>	0.5
Tetrachloroethene (PCE)	<rl< td=""><td>0.5</td></rl<>	0.5
Chlorobenzene	<rl< td=""><td>0.5</td></rl<>	0.5
Ethylbenzene	<rl< td=""><td>0.5</td></rl<>	0.5
m & p-Xylene	<rl< td=""><td>1.0</td></rl<>	1.0
Bromoform	<rl< td=""><td>0.5</td></rl<>	0.5
Styrene	<rl< td=""><td>0.5</td></rl<>	0.5
1,1,2,2-Tetrachloroethane	<rl< td=""><td>0.5</td></rl<>	0.5
o-Xylene	<rl< td=""><td>0.5</td></rl<>	0.5
1,2,3-Trichloropropane	<rl< td=""><td>0.5</td></rl<>	0.5
Isopropylbenzene (Cumene)	<rl< td=""><td>0.5</td></rl<>	0.5
α-Pinene	<rl< td=""><td>0.5</td></rl<>	0.5
2-Chlorotoluene	<rl< td=""><td>0.5</td></rl<>	0.5
n-Propylbenzene	<rl< td=""><td>0.5</td></rl<>	0.5
4-Ethyltoluene	<rl< td=""><td>0.5</td></rl<>	0.5
1,3,5-Trimethylbenzene	<rl< td=""><td>0.5</td></rl<>	0.5
β-Pinene	<rl< td=""><td>0.5</td></rl<>	0.5
1,2,4-Trimethylbenzene	<rl< td=""><td>0.5</td></rl<>	0.5
Benzyl Chloride (a-Chlorotoluene)	<rl< td=""><td>0.5</td></rl<>	0.5
1,3-Dichlorobenzene	<rl< td=""><td>0.5</td></rl<>	0.5
1,4-Dichlorobenzene	<rl< td=""><td>0.5</td></rl<>	0.5
Sec-ButylBenzene	<rl< td=""><td>0.5</td></rl<>	0.5
1,2-Dichlorobenzene	<rl< td=""><td>0.5</td></rl<>	0.5
n-ButylBenzene	<rl< td=""><td>0.5</td></rl<>	0.5
1,2-Dibromo-3-Chloropropane	<rl< td=""><td>0.5</td></rl<>	0.5
1,2,4-Trichlorobenzene	<rl< td=""><td>0.5</td></rl<>	0.5
Naphthalene	<rl< td=""><td>1.0</td></rl<>	1.0
Hexachlorobutadiene	<rl< td=""><td>0,5</td></rl<>	0,5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE: 03/14/2022

INSTRUMENT ID: GC/MS-02

MATRIX : Air

ANALYST: RC

UNITS: PPB (v/v)

DILUTION FACTOR¹: x1

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: CCV/LCSD

Analyte Compounds	Sample	Duplicate	RPD ²
4-BFB (surrogate standard)	9.19	9.34	1.6
Chlorodifluoromethane	10.8	11.1	2.8
Propene	9.67	10.2	5.7
Dichlorodifluoromethane	11.1	11.2	0.7
Dimethyl Ether	7.19	6.86	4.7
Chloromethane	8.56	8.75	2.2
Dichlorotetrafluoroethane	11.0	11.4	4.0
Vinyl Chloride	9.54	9.12	4.5
Acetaldehyde	21.7	23,4	7.9
Methanol	48.3	50.8	5.1
1,3-Butadiene	9.06	9.26	2.2
Bromomethane	9.70	9.65	0.5
Chloroethane	8.49	8.46	0.4
Dichlorofluoromethane	10.8	10.4	4.3
Ethanol	8.38	6.68	22.6
Vinyl Bromide	10.6	10.2	3.8
Acrolein	10.3	8:79	15.5
Acetone	7.81	7.97	2.0
Trichlorofluoromethane	10.8	11.2	3.1
2-Propanol (IPA)	8.45	7.99	5.6
Acrylonitrile	9.80	10.1	3.0
1,1-Dichloroethene	9.25	9.54	3.1
Methylene Chloride (DCM)	9.52	10.1	5.5
TertButanol (TBA)	10.2	10.5	3.3
Allyl Chloride	8.43	8.94	5.9
Carbon Disulfide	9.88	9.77	1.1
Trichlorotrifluoroethane	10.3	10.3	0.2
rans-1,2-Dichloroethene	9.62	9.86	2.5
1,1-Dichloroethane	9.18	9.31	1.4
Methyl Tert Butyl Ether (MTBE)	7.40	7.47	0.9
Vinyl Acetate	9.31	9.33	0.2
2-Butanone (MEK)	9.06	9.02	0.4
cis-1,2-Dichloroethene	9.08	8.95	1.4
Hexane	8.25	8.55	3.6
Chloroform	9.21	9.32	1.2
Ethyl Acetate	8.69	8.87	2.1
Tetrahydrofuran	8.19	8.45	3.1
,2-Dichloroethane	7.48	7.43	0.7
,1,1-Trichloroethane	8.83	8.85	0.2
Benzene	8.79	8.67	1.4
Carbon Tetrachloride	9.39	9.12	2.9
Cyclohexane	8.51	8.32	2.3

Analyte Compounds (Continued)	Sample	Duplicate	RPD ²
1,2-Dichloropropane	8.97	8.76	2.4
Bromodichloromethane	8.67	8.66	0.1
1,4-Dioxane	8.21	7.98	2.8
Trichloroethene (TCE)	8.58	8.58	0.0
2,2,4-Trimethylpentane	9.83	9.69	1.4
Methyl Methacrylate	8.24	8.31	0.8
Heptane	8.65	8.62	0.3
cis-1,3-Dichloropropene	8.11	7.99	1.5
4-Methyl-2-pentanone (MiBK)	8.46	8.54	0.9
trans-1,3-Dichloropropene	7.43	7.47	0.5
1,1,2-Trichloroethane	9.11	8.98	1.4
Toluene	8.88	8.85	0.3
2-Hexanone (MBK)	8.63	8.76	1.5
Dibromochloromethane	10.2	10.2	0.6
1,2-Dibromoethane	9.59	9.56	0.3
Tetrachloroethene (PCE)	8.37	8.34	0.4
Chlorobenzene	9.02	9.34	3.5
Ethylbenzene	9.48	9.77	3.0
m & p-Xylene	20.1	20.2	0.6
Bromoform	10.5	10.6	1.2
Styrene	9.64	9.75	1.1
1,1,2,2-Tetrachloroethane	12.1	12.2	0.5
o-Xylene	11.0	11.0	0.3
1,2,3-Trichloropropane	11.3	11.4	0.9
sopropylbenzene (Cumene)	10.7	10.9	1.8
x-Pinene	10.2	10.2	0.2
2-Chlorotoluene	10.1	10.3	1.7
n-Propylbenzene	11.6	11.7	1.4
l-Ethyltoluene	10.8	10.9	1.1
,3,5-Trimethylbenzene	10.5	10.8	2.8
3-Pinene	9.16	9.53	4.0
,2,4-Trimethylbenzene	10.7	10.9	2.0
Benzyl Chloride (a-Chlorotoluene)	9.41	9.65	2.5
,3-Dichlorobenzene	10.5	10.6	1.1
,4-Dichlorobenzene	10.2	10.2	0.1
ec-ButylBenzene	11.4	11.1	2.3
,2-Dichlorobenzene	10.4	10.5	0.9
-ButylBenzene	11.7	11.9	1,5
,2-Dibromo-3-Chloropropane	10.6	10.6	0.5
,2,4-Trichlorobenzene	9.24	9.24	0.0
laphthalene	9,48	9.53	0.5
lexachlorobutadiene	10.2	10.5	2.2

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

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² Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%). SRL - Sample Reporting Limit (minimum)