

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

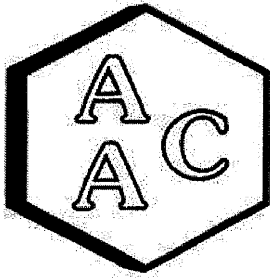
CLIENT : SCS Engineers
 PROJECT NO : 231751
 MATRIX : AIR
 UNITS : PPB (v/v)

DATE RECEIVED : 09/05/2023
 DATE REPORTED : 09/08/2023
 ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS12 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Rxn 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231751-48432				231751-48433				
Date Sampled		09/05/2023				09/05/2023				
Date Analyzed		09/06/2023				09/06/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	58.0		1	1.00	1.00	
Dichlorodifluoromethane	0.58		1	0.50	0.57		1	0.50	0.50	
Chloromethane	0.66		1	0.50	0.57		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	39.6		1	5.00	210		10	50.0	5.00	
1,3-Butadiene	<SRL	U	1	0.50	0.80		1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	81.0		1	2.00	153		10	20.0	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	18.1		1	2.00	87.0		10	20.0	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	11.7		1	2.00	80.2		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	0.59		1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	1.17		1	1.00	1.17		1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	3.98		1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.10		1	1.00	87.1		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	1.67		1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.81		1	0.50	9.30		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	73.0		10	5.00	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.97		1	0.50	94.1		1	0.50	0.50	





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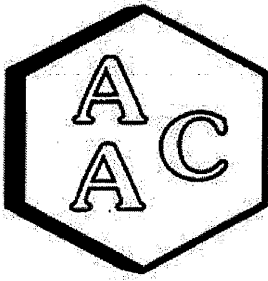
CLIENT : SCS Engineers
 PROJECT NO : 231857
 MATRIX : AIR
 UNITS : PPB (v/v)

DATE RECEIVED : 09/20/2023
 DATE REPORTED : 09/22/2023
 ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Working Face 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction-2 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231857-48907				231857-48908				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/21/2023				09/21/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	11.1		1	1.00	5.31		1	1.00	1.00	
Dichlorodifluoromethane	2.85		1	0.50	0.56		1	0.50	0.50	
Chloromethane	3.44		1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	88.9		1	5.00	36.2		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	15.10	E	1	2.00	85.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	90.5		1	2.00	37.0		1	2.00	2.00	
Trichlorofluoromethane	4.69		1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	46.0		1	2.00	13.9		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	12.5		1	1.00	12.2		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	2.47		1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	30.5		1	0.50	2.16		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	25.8		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.89		1	0.50	18.4		1	0.50	0.50	





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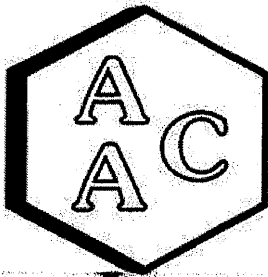
CLIENT : SCS Engineers
 PROJECT NO : 231923
 MATRIX : AIR
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023
 DATE REPORTED : 09/28/2023
 ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL)	MS-04			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	231923-49175			231923-49176				
Date Sampled	09/26/2023			(MRLxDF's)	09/26/2023			(MRLxDF's)	
Date Analyzed	09/27/2023				09/27/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	24.0		1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	0.51		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	62.5		1	5.00	25.6		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	42.7		1	2.00	19.8		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	62.7		1	2.00	22.7		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	34.2		1	2.00	4.60		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	31.2		1	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	2.18		1	0.50	1.08		1	0.50	0.50
Tetrahydrofuran	52.1		1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	48.2		1	0.50	<SRL	U	1	0.50	0.50





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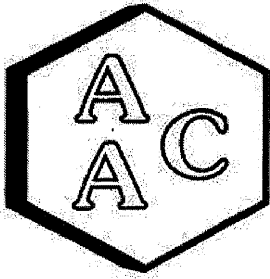
CLIENT : SCS Engineers
 PROJECT NO : 232013
 MATRIX : AIR
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023
 DATE REPORTED : 10/05/2023
 ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49512				232013-49513				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	40.1		1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.54		1	0.50	0.52		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	169		1	5.00	24.4		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	143	E	1	2.00	24.4		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	120	E	1	2.00	31.2		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	70.5		1	2.00	4.15		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	76.5		1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	4.24		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	116	E	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	82.6		1	0.50	<SRL	U	1	0.50	0.50	





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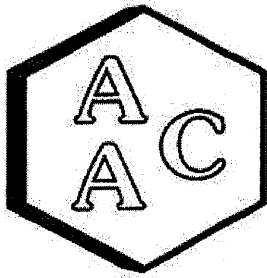
CLIENT : SCS Engineers
 PROJECT NO : 232066
 MATRIX : AIR
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023
 DATE REPORTED : 10/12/2023
 ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232066-49842				232066-49843				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	22.3		1	1.00	1.97		1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.64		1	0.50	0.76		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	185		1	5.00	44.8		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	92.5		10	20.0	33.9		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	101		1	2.00	33.5		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	58.0		1	2.00	5.63		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	56.6		1	1.00	3.06		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	0.65		1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	4.68		1	0.50	1.53		1	0.50	0.50	
Tetrahydrofuran	68.2		10	5.00	2.93		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	48.5		1	0.50	1.78		1	0.50	0.50	





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Laboratory Analysis Report

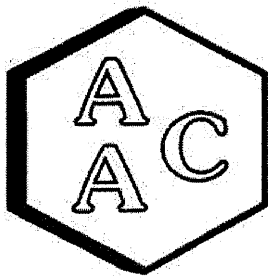
CLIENT : SCS Engineers
 PROJECT NO : 232189
 MATRIX : AIR
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023
 DATE REPORTED : 10/26/2023
 ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL)	MS-04			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	232189-50470			232189-50471				
Date Sampled	10/24/2023				10/24/2023				
Date Analyzed	10/25/2023				10/25/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	27.2		1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.66		1	0.50	0.55		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	115		10	50.0	40.6		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	118		10	20.0	38.1		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	104		10	20.0	15.4		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	112		1	2.00	3.18		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	55.6		10	20.0	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	1.39		1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	4.89		1	0.50	<SRL	U	1	0.50	0.50
Tetrahydrofuran	59.3		10	5.00	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	79.4		1	0.50	<SRL	U	1	0.50	0.50





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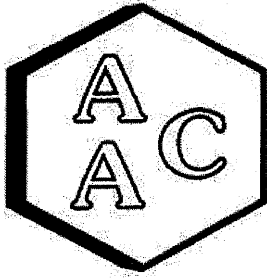
CLIENT : SCS Engineers
 PROJECT NO : 232303
 MATRIX : AIR
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023
 DATE REPORTED : 11/10/2023
 ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232303-51004				232303-51005				
Date Sampled		11/07/2023				11/07/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	5.74		1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.54		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	110		1	5.00	118		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	86.9		1	2.00	57.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	17.2		1	2.00	17.5		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	75.0		1	2.00	8.83		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	5.16		1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.25		1	0.50	0.64		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	7.24		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	10.3		1	0.50	0.50	





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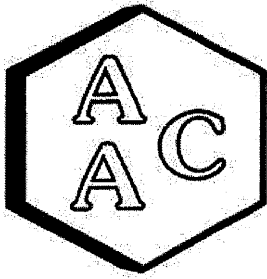
CLIENT : SCS Engineers
 PROJECT NO : 232358
 MATRIX : AIR
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023
 DATE REPORTED : 11/16/2023
 ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232358-51221				232358-51222				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	1.14		1	1.00	34.2		1	1.00	1.00	
Dichlorodifluoromethane	0.54		1	0.50	0.57		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	33.7		1	5.00	1690	E	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	49.6		1	2.00	742	E	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	13.4		1	2.00	237	E	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	5.82		1	2.00	95.1		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	110	E	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	1.12		1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	12.2		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	125	E	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	67.7		1	0.50	0.50	





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Laboratory Analysis Report

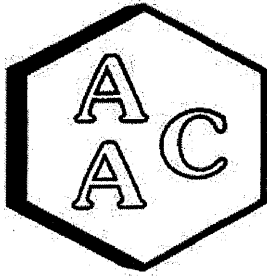
CLIENT : SCS Engineers
 PROJECT NO : 232466
 MATRIX : AIR
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023
 DATE REPORTED : 11/30/2023
 ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232466-51816				232466-51817				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.46			1.49					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Propene	11.4		1	1.46	<SRL	U	1	1.49	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Methanol	209		1	7.30	13.1		1	7.43	5.00	
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Ethanol	90.4		1	2.92	9.94		1	2.97	2.00	
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Acetone	50.9		1	2.92	3.39		1	2.97	2.00	
Trichlorofluoromethane	<SRL	U	1	0.73	1.11		1	0.74	0.50	
2-Propanol (IPA)	25.7		1	2.92	<SRL	U	1	2.97	2.00	
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00	
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00	
Carbon Disulfide	<SRL	U	1	2.92	<SRL	U	1	2.97	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Vinyl Acetate	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00	
2-Butanone (MEK)	32.9		1	1.46	<SRL	U	1	1.49	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Ethyl Acetate	2.72		1	0.73	<SRL	U	1	0.74	0.50	
Tetrahydrofuran	45.7		1	0.73	<SRL	U	1	0.74	0.50	
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Benzene	30.5		1	0.73	<SRL	U	1	0.74	0.50	





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
 PROJECT NO : 232522
 MATRIX : AIR
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023
 DATE REPORTED : 12/07/2023
 ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-05			<i>Sample Reporting Limit (SRL)</i> (MRLxDF's)	<i>Reaction</i>			<i>Sample Reporting Limit (SRL)</i> (MRLxDF's)	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		232522-52070				232522-52071				
<i>Date Sampled</i>		12/05/2023				12/05/2023				
<i>Date Analyzed</i>		12/06/2023				12/06/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	5.69		1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.55		1	0.50	0.63		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	55.0		1	5.00	127		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	67.8		1	2.00	90.0		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	27.5		1	2.00	56.7		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	4.81		1	2.00	12.5		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	11.7		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	1.28		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	19.0		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	14.1		1	0.50	0.50	

