

Quant Time: Nov 25 00:20:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
 Data File : VU063774.D
 Acq On : 24 Nov 2025 13:10
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050117

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	321563	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	314070	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	158156	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	128156	46.152	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.300%
7) Chloroethane-d5	1.891	69	105966	49.533	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.060%
11) 1,1-Dichloroethene-d2	2.544	63	236890	49.216	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.440%
21) 2-Butanone-d5	4.596	46	150587	95.125	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.120%
24) Chloroform-d	5.030	84	236240	50.706	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.420%
26) 1,2-Dichloroethane-d4	5.669	65	153766	50.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.380%
32) Benzene-d6	5.695	84	443634	48.190	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.380%
36) 1,2-Dichloropropane-d6	6.660	67	131016	48.478	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.960%
41) Toluene-d8	7.872	98	423025	48.397	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	8.155	79	53457	47.865	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.720%
47) 2-Hexanone-d5	8.608	63	94011	95.674	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.670%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	196991	49.843	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.680%
66) 1,2-Dichlorobenzene-d4	12.168	152	150077	50.267	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	99751	53.301	ug/L	100
3) Chloromethane	1.509	50	108445	51.215	ug/L	100
5) Vinyl chloride	1.589	62	129153	52.458	ug/L	98
6) Bromomethane	1.837	94	86450	55.409	ug/L	97
8) Chloroethane	1.914	64	91053	55.406	ug/L	97
9) Trichlorofluoromethane	2.117	101	217123	55.914	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	124436	54.219	ug/L	97
12) 1,1-Dichloroethene	2.554	96	106860	50.909	ug/L	94
13) Acetone	2.602	43	242092	112.998	ug/L	99
14) Carbon disulfide	2.766	76	261406	47.810	ug/L	98
15) Methyl Acetate	2.924	43	130648	50.783	ug/L	99
16) Methylene chloride	3.017	84	129081	52.751	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	117030	52.294	ug/L	91
18) Methyl tert-butyl Ether	3.335	73	396572	52.360	ug/L	99
19) 1,1-Dichloroethane	3.834	63	229360	53.187	ug/L	98
20) cis-1,2-Dichloroethene	4.634	96	138105	53.612	ug/L	98
22) 2-Butanone	4.669	43	238195	100.075	ug/L	97
23) Bromochloromethane	4.940	128	71438	53.940	ug/L	97
25) Chloroform	5.055	83	252105	54.009	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	205317	53.881	ug/L	99
29) Cyclohexane	5.354	56	203425	51.479	ug/L	97
30) 1,1,1-Trichloroethane	5.284	97	208493	51.987	ug/L	99
31) Carbon tetrachloride	5.493	117	169111	53.626	ug/L	98
33) Benzene	5.743	78	504334	52.649	ug/L	100
34) Trichloroethene	6.512	95	140845	51.002	ug/L	97
35) Methylcyclohexane	6.734	83	209425	51.661	ug/L	99
37) 1,2-Dichloropropane	6.763	63	134740	54.125	ug/L	99
38) Bromodichloromethane	7.078	83	180882	53.061	ug/L	96
39) cis-1,3-Dichloropropene	7.579	75	179817	48.706	ug/L	100
40) 4-Methyl-2-pentanone	7.763	43	368186	102.178	ug/L	100
42) Toluene	7.943	91	556704	52.641	ug/L	99
44) trans-1,3-Dichloropropene	8.184	75	161904	50.238	ug/L	99
45) 1,1,2-Trichloroethane	8.374	97	138421	52.577	ug/L	98
46) Tetrachloroethene	8.528	164	108781	51.510	ug/L	98
48) 2-Hexanone	8.660	43	299786	105.997	ug/L	99
49) Dibromochloromethane	8.782	129	132695	52.191	ug/L	97
50) 1,2-Dibromoethane	8.898	107	142165	51.444	ug/L	99
51) Chlorobenzene	9.422	112	371901	52.111	ug/L	99
52) Ethylbenzene	9.544	91	643637	52.415	ug/L	99
53) m,p-Xylene	9.669	106	238726	51.006	ug/L	98
54) o-Xylene	10.074	106	240411	52.745	ug/L	98
55) Styrene	10.091	104	389480	52.738	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.756	83	217999	50.840	ug/L	99
59) Bromoform	10.264	173	98859	55.041	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	185559	53.755	ug/L	98
61) Isopropylbenzene	10.460	105	648284	54.334	ug/L	100
62) 1,3,5-Trimethylbenzene	11.062	105	537554	54.771	ug/L	100
63) 1,2,4-Trimethylbenzene	11.444	105	507000	54.119	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	284878	53.259	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	281417	51.367	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	276463	53.311	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	44367	52.051	ug/L	93
69) 1,3,5-Trichlorobenzene	13.190	180	192943	53.369	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	152349	50.538	ug/L	98
71) Naphthalene	14.058	128	402162	50.129	ug/L	99
72) 1,2,3-Trichlorobenzene	14.303	180	144240	50.483	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed