

Quant Time: Nov 21 22:32:38 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\VU112125\
 Data File : VU063772.D
 Acq On : 21 Nov 2025 16:34
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	342719	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	333309	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	181904	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	125100	42.271	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.540%
7) Chloroethane-d5	1.891	69	99983	43.851	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.700%
11) 1,1-Dichloroethene-d2	2.541	63	232876	45.395	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.800%
21) 2-Butanone-d5	4.595	46	153787	91.149	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.150%
24) Chloroform-d	5.029	84	236198	47.568	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.140%
26) 1,2-Dichloroethane-d4	5.669	65	149687	45.844	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
32) Benzene-d6	5.695	84	444611	45.508	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.020%
36) 1,2-Dichloropropane-d6	6.660	67	129278	45.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.140%
41) Toluene-d8	7.872	98	419940	45.271	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.540%
43) trans-1,3-Dichloroprop...	8.155	79	50438	42.555	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.100%
47) 2-Hexanone-d5	8.608	63	98086	94.060	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.060%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	200640	47.836	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.680%
66) 1,2-Dichlorobenzene-d4	12.167	152	162012	47.180	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	93816	47.035	ug/L	99
3) Chloromethane	1.509	50	103328	45.786	ug/L	98
5) Vinyl chloride	1.589	62	128381	48.926	ug/L	98
6) Bromomethane	1.833	94	84609	50.882	ug/L	96
8) Chloroethane	1.914	64	89157	50.903	ug/L	100
9) Trichlorofluoromethane	2.116	101	210961	50.974	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	118827	48.579	ug/L	99
12) 1,1-Dichloroethene	2.554	96	106743	47.714	ug/L	92
13) Acetone	2.602	43	197973	86.701	ug/L	100
14) Carbon disulfide	2.766	76	239938	41.174	ug/L	98
15) Methyl Acetate	2.923	43	135596	49.452	ug/L	98
16) Methylene chloride	3.013	84	126115	48.357	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	111435	46.720	ug/L	94
18) Methyl tert-butyl Ether	3.335	73	389828	48.292	ug/L	99
19) 1,1-Dichloroethane	3.833	63	224615	48.872	ug/L	98
20) cis-1,2-Dichloroethene	4.631	96	134745	49.078	ug/L	99
22) 2-Butanone	4.673	43	224487	88.494	ug/L	97
23) Bromochloromethane	4.943	128	71053	50.337	ug/L	96
25) Chloroform	5.052	83	247169	49.683	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	203697	50.156	ug/L	99
29) Cyclohexane	5.354	56	196648	46.892	ug/L	97
30) 1,1,1-Trichloroethane	5.283	97	204708	48.097	ug/L	99
31) Carbon tetrachloride	5.492	117	163703	48.915	ug/L	99
33) Benzene	5.743	78	503374	49.516	ug/L	100
34) Trichloroethene	6.515	95	141652	48.334	ug/L	98
35) Methylcyclohexane	6.734	83	200542	46.615	ug/L	98
37) 1,2-Dichloropropane	6.759	63	130820	49.517	ug/L	100
38) Bromodichloromethane	7.078	83	173995	48.095	ug/L	97
39) cis-1,3-Dichloropropene	7.579	75	184722	47.146	ug/L	98
40) 4-Methyl-2-pentanone	7.762	43	382205	99.946	ug/L	99
42) Toluene	7.942	91	548096	48.836	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	152398	44.559	ug/L	98
45) 1,1,2-Trichloroethane	8.373	97	141262	50.559	ug/L	99
46) Tetrachloroethene	8.528	164	105723	47.172	ug/L	98
48) 2-Hexanone	8.659	43	303135	100.995	ug/L	99
49) Dibromochloromethane	8.782	129	129593	48.029	ug/L	100
50) 1,2-Dibromoethane	8.897	107	145605	49.648	ug/L	98
51) Chlorobenzene	9.422	112	365135	48.210	ug/L	99
52) Ethylbenzene	9.544	91	629329	48.292	ug/L	99
53) m,p-Xylene	9.669	106	241659	48.652	ug/L	99
54) o-Xylene	10.074	106	238310	49.266	ug/L	96
55) Styrene	10.090	104	394087	50.282	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.756	83	223228	49.054	ug/L	99
59) Bromoform	10.264	173	91841	44.458	ug/L	99
60) 1,2,3-Trichloropropane	10.794	75	191491	48.231	ug/L	99
61) Isopropylbenzene	10.457	105	641042	46.713	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	527776	46.755	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	506814	47.036	ug/L	100
64) 1,3-Dichlorobenzene	11.720	146	282965	45.995	ug/L	99
65) 1,4-Dichlorobenzene	11.810	146	285174	45.257	ug/L	100
67) 1,2-Dichlorobenzene	12.187	146	279354	46.836	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	45335	46.243	ug/L	95
69) 1,3,5-Trichlorobenzene	13.193	180	191626	46.085	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	155950	44.979	ug/L	99
71) Naphthalene	14.058	128	446880	48.431	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	151026	45.957	ug/L	99

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