

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061225\
 Data File : VU063395.D
 Acq On : 12 Jun 2025 12:43
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

Quant Time: Jun 16 08:41:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 16 08:39:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	133651	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	142455	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	79441	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	42181	41.807	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	83.620%	
7) Chloroethane-d5	1.901	69	44168	44.985	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	89.980%	
11) 1,1-Dichloroethene-d2	2.554	63	79476	41.457	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	82.920%	
21) 2-Butanone-d5	4.615	46	94473	107.906	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	107.910%	
24) Chloroform-d	5.049	84	105447	49.166	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	98.340%	
26) 1,2-Dichloroethane-d4	5.692	65	67898	51.694	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	103.380%	
32) Benzene-d6	5.718	84	202477	46.994	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.980%	
36) 1,2-Dichloropropane-d6	6.679	67	71559	48.969	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	97.940%	
41) Toluene-d8	7.891	98	183465	48.529	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	97.060%	
43) trans-1,3-Dichloroprop...	8.174	79	29211	49.674	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	99.340%	
47) 2-Hexanone-d5	8.624	63	57902	106.722	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	106.720%	
56) 1,1,2,2-Tetrachloroeth...	10.746	84	115950	51.952	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	103.900%	
66) 1,2-Dichlorobenzene-d4	12.187	152	71655	49.298	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	98.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	51383	40.015	ug/L	99
3) Chloromethane	1.522	50	67412	46.474	ug/L	100
5) Vinyl chloride	1.596	62	69400	43.498	ug/L	97
6) Bromomethane	1.843	94	43372	48.310	ug/L	99
8) Chloroethane	1.920	64	46404	46.491	ug/L	99
9) Trichlorofluoromethane	2.126	101	78582	41.838	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	45398	40.555	ug/L	99
12) 1,1-Dichloroethene	2.567	96	42500	42.664	ug/L	93
13) Acetone	2.618	43	69366	104.551	ug/L	98
14) Carbon disulfide	2.779	76	138961	42.245	ug/L	100
15) Methyl Acetate	2.940	43	76316	55.445	ug/L #	100
16) Methylene chloride	3.030	84	65692	50.839	ug/L	98
17) trans-1,2-Dichloroethene	3.342	96	48787	45.563	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	167419	52.124	ug/L	99
19) 1,1-Dichloroethane	3.856	63	109005	48.630	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	60939	50.066	ug/L	99
22) 2-Butanone	4.692	43	107442	109.487	ug/L	93
23) Bromochloromethane	4.962	128	33879	52.085	ug/L	97
25) Chloroform	5.075	83	110920	49.613	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	90218	51.432	ug/L	100
29) Cyclohexane	5.377	56	73802	39.036	ug/L	97
30) 1,1,1-Trichloroethane	5.303	97	78196	43.471	ug/L	99
31) Carbon tetrachloride	5.512	117	61662	40.771	ug/L	98
33) Benzene	5.763	78	242908	49.060	ug/L	100
34) Trichloroethene	6.534	95	57990	45.570	ug/L	98
35) Methylcyclohexane	6.753	83	74709	39.687	ug/L	100
37) 1,2-Dichloropropane	6.782	63	72669	49.484	ug/L	100
38) Bromodichloromethane	7.097	83	85632	49.446	ug/L #	99
39) cis-1,3-Dichloropropene	7.599	75	100545	50.508	ug/L	96
40) 4-Methyl-2-pentanone	7.782	43	197588	108.479	ug/L	99
42) Toluene	7.962	91	253094	48.931	ug/L	97
44) trans-1,3-Dichloropropene	8.203	75	91546	49.137	ug/L	98
45) 1,1,2-Trichloroethane	8.390	97	69039	51.361	ug/L	99
46) Tetrachloroethene	8.544	164	40516	43.078	ug/L	95
48) 2-Hexanone	8.676	43	161361	113.591	ug/L	98
49) Dibromochloromethane	8.801	129	64881	50.872	ug/L	97
50) 1,2-Dibromoethane	8.914	107	71263	51.891	ug/L	99
51) Chlorobenzene	9.438	112	163134	48.647	ug/L	98
52) Ethylbenzene	9.563	91	252268	46.582	ug/L	99
53) m,p-Xylene	9.685	106	98819	49.319	ug/L	95
54) o-Xylene	10.094	106	94559	49.503	ug/L	94
55) Styrene	10.107	104	174142	53.087	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	121955	50.772	ug/L	98
59) Bromoform	10.283	173	50174	47.613	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	95754	50.122	ug/L	99
61) Isopropylbenzene	10.476	105	234210	44.639	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	184658	45.541	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	181033	46.997	ug/L	98
64) 1,3-Dichlorobenzene	11.737	146	123852	47.566	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	130361	48.703	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	124072	47.191	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	24476	47.645	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	82333	46.694	ug/L	96
70) 1,2,4-trichlorobenzene	13.833	180	66141	48.312	ug/L	99
71) Naphthalene	14.081	128	185976	50.375	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	69365	51.188	ug/L	97

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

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