

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063622.D
 Acq On : 22 Sep 2025 16:21
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

Quant Time: Sep 23 05:44:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	246399	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	241179	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	126091	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	83311	50.410	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.820%
7) Chloroethane-d5	1.891	69	73468	52.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.500%
11) 1,1-Dichloroethene-d2	2.551	63	148541	50.298	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.600%
21) 2-Butanone-d5	4.612	46	126351	110.805	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.800%
24) Chloroform-d	5.046	84	160221	51.814	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.620%
26) 1,2-Dichloroethane-d4	5.686	65	107035	53.129	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.260%
32) Benzene-d6	5.711	84	298732	51.714	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.420%
36) 1,2-Dichloropropane-d6	6.676	67	96479	51.125	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.240%
41) Toluene-d8	7.885	98	280357	51.644	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.280%
43) trans-1,3-Dichloroprop...	8.168	79	33872	49.555	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.100%
47) 2-Hexanone-d5	8.621	63	75817	109.644	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.640%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	152062	52.330	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.660%
66) 1,2-Dichlorobenzene-d4	12.184	152	111302	52.527	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	63327	47.756	ug/L	99
3) Chloromethane	1.515	50	78946	46.181	ug/L	99
5) Vinyl chloride	1.596	62	98766	48.541	ug/L	99
6) Bromomethane	1.830	94	60716	47.099	ug/L	97
8) Chloroethane	1.914	64	67834	49.215	ug/L	99
9) Trichlorofluoromethane	2.120	101	145383	49.046	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	77539	47.548	ug/L	99
12) 1,1-Dichloroethene	2.563	96	69288	47.759	ug/L	97
13) Acetone	2.615	43	129950	95.489	ug/L	95
14) Carbon disulfide	2.776	76	165516	43.969	ug/L	99
15) Methyl Acetate	2.940	43	97510	48.303	ug/L	97
16) Methylene chloride	3.026	84	89841	48.978	ug/L	91
17) trans-1,2-Dichloroethene	3.338	96	76426	48.926	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	243365	48.160	ug/L	99
19) 1,1-Dichloroethane	3.850	63	154896	48.710	ug/L	97
20) cis-1,2-Dichloroethene	4.650	96	89307	48.821	ug/L	97
22) 2-Butanone	4.692	43	154458	98.213	ug/L	96
23) Bromochloromethane	4.959	128	46771	48.797	ug/L	98
25) Chloroform	5.071	83	165380	48.974	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	132777	47.587	ug/L	99
29) Cyclohexane	5.370	56	137290	48.432	ug/L	99
30) 1,1,1-Trichloroethane	5.300	97	126439	47.685	ug/L	98
31) Carbon tetrachloride	5.509	117	96869	46.100	ug/L	100
33) Benzene	5.759	78	345390	49.315	ug/L	100
34) Trichloroethene	6.528	95	96690	49.296	ug/L	97
35) Methylcyclohexane	6.750	83	132196	47.208	ug/L	98
37) 1,2-Dichloropropane	6.776	63	93746	48.330	ug/L	100
38) Bromodichloromethane	7.094	83	106868	46.468	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	115719	45.888	ug/L	99
40) 4-Methyl-2-pentanone	7.779	43	274379	98.179	ug/L	99
42) Toluene	7.959	91	372721	48.542	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	97529	45.548	ug/L	99
45) 1,1,2-Trichloroethane	8.386	97	93155	49.482	ug/L	98
46) Tetrachloroethene	8.544	164	69224	48.455	ug/L	99
48) 2-Hexanone	8.673	43	221989	105.000	ug/L	98
49) Dibromochloromethane	8.798	129	78066	46.324	ug/L	98
50) 1,2-Dibromoethane	8.914	107	95527	48.993	ug/L	99
51) Chlorobenzene	9.438	112	246408	48.496	ug/L	99
52) Ethylbenzene	9.560	91	411761	48.496	ug/L	100
53) m,p-Xylene	9.685	106	151608	47.866	ug/L	100
54) o-Xylene	10.090	106	153493	48.631	ug/L	97
55) Styrene	10.107	104	255645	49.562	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	158213	49.718	ug/L	98
59) Bromoform	10.280	173	56194	45.766	ug/L #	96
60) 1,2,3-Trichloropropane	10.811	75	130256	48.999	ug/L	99
61) Isopropylbenzene	10.473	105	410209	47.698	ug/L	99
62) 1,3,5-Trimethylbenzene	11.078	105	340412	48.130	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	329073	47.992	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	183452	46.807	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	187058	47.175	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	182442	47.339	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	28166	47.242	ug/L	95
69) 1,3,5-Trichlorobenzene	13.209	180	128823	47.015	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	104238	46.078	ug/L	99
71) Naphthalene	14.077	128	290195	47.214	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	102634	47.335	ug/L	97

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

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