

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061125\
 Data File : VU063380.D
 Acq On : 11 Jun 2025 12:15
 Operator : MD/SY
 Sample : VSTD05035
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050035

Quant Time: Jun 11 13:20:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 11 13:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	154494	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	159209	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	87416	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	58048	44.989	ug/L	0.00
7) Chloroethane-d5	1.901	69	56293	53.077	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	108814	48.129	ug/L	0.00
21) 2-Butanone-d5	4.611	46	102695	110.223	ug/L	0.00
24) Chloroform-d	5.052	84	123957	51.384	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	77205	51.330	ug/L	0.00
32) Benzene-d6	5.714	84	251892	50.430	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	83680	51.497	ug/L	0.00
41) Toluene-d8	7.888	98	224048	50.451	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	34322	47.697	ug/L	0.00
47) 2-Hexanone-d5	8.624	63	63302	102.700	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	123901	50.772	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	80107	45.320	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	71184	55.015	ug/L	100
3) Chloromethane	1.518	50	79736	54.935	ug/L	99
5) Vinyl chloride	1.599	62	89894	60.784	ug/L	98
6) Bromomethane	1.846	94	50771	61.117	ug/L	98
8) Chloroethane	1.923	64	55159	61.066	ug/L	98
9) Trichlorofluoromethane	2.129	101	104776	61.335	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	59968	57.418	ug/L	99
12) 1,1-Dichloroethene	2.566	96	55793	55.773	ug/L	97
13) Acetone	2.618	43	84965	134.288	ug/L	99
14) Carbon disulfide	2.782	76	182739	57.331	ug/L	99
15) Methyl Acetate	2.939	43	78692	56.764	ug/L #	100
16) Methylene chloride	3.033	84	70756	57.635	ug/L	98
17) trans-1,2-Dichloroethene	3.341	96	60704	57.332	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	182208	53.849	ug/L	100
19) 1,1-Dichloroethane	3.856	63	127142	58.615	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	69645	57.309	ug/L	99
22) 2-Butanone	4.692	43	112464	122.456	ug/L	97
23) Bromochloromethane	4.962	128	36395	58.421	ug/L	96
25) Chloroform	5.074	83	123073	56.369	ug/L	100
27) 1,2-Dichloroethane	5.782	62	99632	58.108	ug/L	97
29) Cyclohexane	5.377	56	107095	57.893	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	96728	52.064	ug/L	99
31) Carbon tetrachloride	5.512	117	83254	53.804	ug/L	99
33) Benzene	5.763	78	281359	56.049	ug/L	100
34) Trichloroethene	6.531	95	70285	54.942	ug/L	99
35) Methylcyclohexane	6.753	83	103976	56.932	ug/L	98
37) 1,2-Dichloropropane	6.779	63	79625	56.590	ug/L	99
38) Bromodichloromethane	7.097	83	93806	54.218	ug/L #	97
39) cis-1,3-Dichloropropene	7.598	75	112121	54.397	ug/L	98
40) 4-Methyl-2-pentanone	7.779	43	207639	113.475	ug/L	100
42) Toluene	7.959	91	298375	57.458	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	105370	55.325	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.389	97	73499	55.019	ug/L	99
46) Tetrachloroethene	8.544	164	51557	57.102	ug/L	98
48) 2-Hexanone	8.672	43	167786	120.270	ug/L	100
49) Dibromochloromethane	8.798	129	70527	54.420	ug/L	96
50) 1,2-Dibromoethane	8.914	107	75221	53.922	ug/L	97
51) Chlorobenzene	9.438	112	182875	55.929	ug/L	99
52) Ethylbenzene	9.563	91	305041	56.123	ug/L	100
53) m,p-Xylene	9.685	106	117122	58.336	ug/L	94
54) o-Xylene	10.090	106	111448	56.947	ug/L	96
55) Styrene	10.106	104	199364	61.705	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	131422	56.583	ug/L	99
59) Bromoform	10.280	173	54414	47.194	ug/L	99
60) 1,2,3-Trichloropropane	10.811	75	102102	50.328	ug/L	98
61) Isopropylbenzene	10.476	105	295389	51.520	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	227753	50.345	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	221373	51.024	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	141902	52.439	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	145834	53.050	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	140535	51.514	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	25617	48.402	ug/L	96
69) 1,3,5-Trichlorobenzene	13.209	180	95027	52.187	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	76016	53.997	ug/L	100
71) Naphthalene	14.081	128	204885	52.892	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	78465	57.035	ug/L	99

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

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