

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063095.D
 Acq On : 30 Jan 2025 13:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050100

Quant Time: Jan 31 08:12:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM013025WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 07:44:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	99390	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	102668	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	46994	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	17459	24.111	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	48.220%#		
7) Chloroethane-d5	1.904	69	14851	37.547	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.100%		
11) 1,1-Dichloroethene-d2	2.560	63	44558	35.223	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.440%		
21) 2-Butanone-d5	4.608	46	81962	175.375	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	175.370%#		
24) Chloroform-d	5.049	84	58365	43.789	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.580%		
26) 1,2-Dichloroethane-d4	5.689	65	27926	36.834	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	73.660%		
32) Benzene-d6	5.714	84	101944	33.340	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	66.680%#		
36) 1,2-Dichloropropane-d6	6.679	67	39877	39.855	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	79.720%		
41) Toluene-d8	7.888	98	98258	35.493	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	70.980%#		
43) trans-1,3-Dichloroprop...	8.171	79	13379	29.065	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.140%#		
47) 2-Hexanone-d5	8.621	63	66927	156.065	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	156.070%#		
56) 1,1,2,2-Tetrachloroeth...	10.743	84	36041	24.560	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	49.120%#		
66) 1,2-Dichlorobenzene-d4	12.183	152	38672	42.729	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	30740	41.477	ug/L	99
3) Chloromethane	1.515	50	37871	49.121	ug/L	98
5) Vinyl chloride	1.599	62	33697	38.101	ug/L	99
6) Bromomethane	1.849	94	15382	55.620	ug/L	96
8) Chloroethane	1.927	64	17772	52.117	ug/L	99
9) Trichlorofluoromethane	2.129	101	45047	45.928	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	34318	49.899	ug/L	98
12) 1,1-Dichloroethene	2.570	96	33381	49.269	ug/L	88
13) Acetone	2.615	43	40376	138.149	ug/L	97
14) Carbon disulfide	2.782	76	106183	50.908	ug/L	97
15) Methyl Acetate	2.943	43	12365	17.663	ug/L	97
16) Methylene chloride	3.033	84	40655	52.114	ug/L	98
17) trans-1,2-Dichloroethene	3.341	96	36990	53.399	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	87552	40.934	ug/L	100
19) 1,1-Dichloroethane	3.853	63	69107	54.451	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	39759	50.552	ug/L	97
22) 2-Butanone	4.689	43	70668	148.038	ug/L	99
23) Bromochloromethane	4.962	128	17388	43.490	ug/L	98
25) Chloroform	5.074	83	66698	51.581	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	38366	40.970	ug/L	99
29) Cyclohexane	5.373	56	52349	40.131	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	55228	44.628	ug/L	98
31) Carbon tetrachloride	5.512	117	48467	45.374	ug/L	99
33) Benzene	5.763	78	145344	44.064	ug/L	100
34) Trichloroethene	6.531	95	39099	43.814	ug/L	98
35) Methylcyclohexane	6.750	83	58714	42.910	ug/L	98
37) 1,2-Dichloropropane	6.779	63	39992	44.163	ug/L	99
38) Bromodichloromethane	7.094	83	47867	44.638	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	54210	40.074	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	190088	175.758	ug/L	99
42) Toluene	7.959	91	171202	49.217	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	44855	35.694	ug/L	100
45) 1,1,2-Trichloroethane	8.389	97	29315	34.009	ug/L	98
46) Tetrachloroethene	8.544	164	28264	44.825	ug/L	98
48) 2-Hexanone	8.672	43	131823	159.984	ug/L	100
49) Dibromochloromethane	8.798	129	32702	37.440	ug/L	97
50) 1,2-Dibromoethane	8.914	107	27653	29.700	ug/L	98
51) Chlorobenzene	9.438	112	108759	50.089	ug/L	99
52) Ethylbenzene	9.560	91	182854	48.570	ug/L	99
53) m,p-Xylene	9.682	106	64006	45.534	ug/L	98
54) o-Xylene	10.090	106	62893	44.401	ug/L	100
55) Styrene	10.103	104	105956	44.020	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.769	83	38036	24.992	ug/L	98
59) Bromoform	10.280	173	19892	31.605	ug/L	99
60) 1,2,3-Trichloropropane	10.811	75	24185	24.141	ug/L	98
61) Isopropylbenzene	10.473	105	168810	52.635	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	135414	51.620	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	134671	51.626	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	79606	51.818	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	80785	50.745	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	78629	51.882	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	5442	20.084	ug/L	99
69) 1,3,5-Trichlorobenzene	13.209	180	57422	55.536	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	53529	60.167	ug/L	99
71) Naphthalene	14.077	128	95173	34.492	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	48603	56.520	ug/L	99

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

