

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063294.D
 Acq On : 17 Mar 2025 14:55
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050102

Quant Time: Mar 21 09:20:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 09:04:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	301354	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	290360	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	143520	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	118017	46.89	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.78%		
7) Chloroethane-d5	1.895	69	97926	47.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.66%		
11) 1,1-Dichloroethene-d2	2.554	63	208247	47.22	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.44%		
21) 2-Butanone-d5	4.608	46	170464	93.80	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.80%		
24) Chloroform-d	5.049	84	219008	46.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.08%		
26) 1,2-Dichloroethane-d4	5.689	65	136828	46.64	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.28%		
32) Benzene-d6	5.714	84	439632	48.26	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.52%		
36) 1,2-Dichloropropane-d6	6.679	67	141823	47.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.72%		
41) Toluene-d8	7.888	98	400598	49.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.92%		
43) trans-1,3-Dichloroprop...	8.171	79	65385	49.82	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.64%		
47) 2-Hexanone-d5	8.621	63	110541	98.33	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.33%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	209484	47.07	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.14%		
66) 1,2-Dichlorobenzene-d4	12.184	152	143107	49.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.62%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	123825	49.06	ug/L	100
3) Chloromethane	1.518	50	138338	48.86	ug/L	100
5) Vinyl chloride	1.599	62	142813	49.51	ug/L	99
6) Bromomethane	1.833	94	79748	49.22	ug/L	100
8) Chloroethane	1.917	64	85593	48.58	ug/L	99
9) Trichlorofluoromethane	2.126	101	164216	49.28	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	100256	49.21	ug/L	99
12) 1,1-Dichloroethene	2.567	96	98503	50.48	ug/L	96
13) Acetone	2.615	43	116150	94.11	ug/L	100
14) Carbon disulfide	2.779	76	320315	51.52	ug/L	99
15) Methyl Acetate	2.936	43	130396	48.22	ug/L #	100
16) Methylene chloride	3.030	84	122471	51.14	ug/L	97
17) trans-1,2-Dichloroethene	3.338	96	106082	51.36	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	336741	51.02	ug/L	100
19) 1,1-Dichloroethane	3.853	63	208016	49.16	ug/L	97
20) cis-1,2-Dichloroethene	4.650	96	122555	51.70	ug/L	97
22) 2-Butanone	4.689	43	180613	100.82	ug/L	97
23) Bromochloromethane	4.959	128	62944	51.80	ug/L	99
25) Chloroform	5.074	83	213959	50.24	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	171580	51.30	ug/L	98
29) Cyclohexane	5.377	56	175385	51.99	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	168141	49.62	ug/L	100
31) Carbon tetrachloride	5.512	117	143473	50.84	ug/L	99
33) Benzene	5.759	78	472818	51.65	ug/L	100
34) Trichloroethene	6.531	95	121476	52.07	ug/L	98
35) Methylcyclohexane	6.753	83	178437	53.57	ug/L	98
37) 1,2-Dichloropropane	6.779	63	129201	50.35	ug/L	100
38) Bromodichloromethane	7.094	83	160217	50.77	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	199465	53.06	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	347330	104.08	ug/L	100
42) Toluene	7.959	91	503663	53.18	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	187409	53.95	ug/L	100
45) 1,1,2-Trichloroethane	8.389	97	123415	50.66	ug/L	99
46) Tetrachloroethene	8.544	164	87922	53.39	ug/L	98
48) 2-Hexanone	8.672	43	271519	106.72	ug/L	99
49) Dibromochloromethane	8.798	129	121408	51.37	ug/L	99
50) 1,2-Dibromoethane	8.914	107	132714	52.16	ug/L	99
51) Chlorobenzene	9.438	112	309453	51.89	ug/L	98
52) Ethylbenzene	9.560	91	531370	53.61	ug/L	99
53) m,p-Xylene	9.685	106	199764	54.56	ug/L	99
54) o-Xylene	10.090	106	191479	53.65	ug/L	97
55) Styrene	10.106	104	333889	56.66	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	216037	51.00	ug/L	97
59) Bromoform	10.280	173	97635	51.58	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	163807	49.18	ug/L	100
61) Isopropylbenzene	10.476	105	512746	54.47	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	416277	56.05	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	405632	56.95	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	240271	54.08	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	239828	53.14	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	235997	52.69	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	44055	50.70	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	164620	55.07	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	132848	57.48	ug/L	100
71) Naphthalene	14.081	128	399273	62.78	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	131738	58.32	ug/L	98

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

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