

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063107.D
 Acq On : 30 Jan 2025 19:13
 Operator : MD/SY
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050101

Quant Time: Jan 31 07:55:01 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	6.235	114	153455	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	142787	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	72627	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	35162	31.451	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	62.900%		
7) Chloroethane-d5	1.894	69	25211	41.282	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	82.560%		
11) 1,1-Dichloroethene-d2	2.557	63	78187	40.031	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.060%		
21) 2-Butanone-d5	4.605	46	64102	88.836	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.840%		
24) Chloroform-d	5.049	84	94868	46.099	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.200%		
26) 1,2-Dichloroethane-d4	5.685	65	51845	44.291	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.580%		
32) Benzene-d6	5.714	84	197100	46.349	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.700%		
36) 1,2-Dichloropropane-d6	6.676	67	61181	43.967	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.940%		
41) Toluene-d8	7.885	98	184338	47.878	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.760%		
43) trans-1,3-Dichloroprop...	8.168	79	29285	45.745	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.480%		
47) 2-Hexanone-d5	8.621	63	54072	90.662	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.660%		
56) 1,1,2,2-Tetrachloroeth...	10.743	84	92053	45.104	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.200%		
66) 1,2-Dichlorobenzene-d4	12.183	152	67549	48.293	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.377	85	57812	50.522	ug/L	98
3) Chloromethane	1.515	50	48446	40.699	ug/L	98
5) Vinyl chloride	1.599	62	42098	30.830	ug/L	98
6) Bromomethane	1.833	94	21549	50.467	ug/L	99
8) Chloroethane	1.917	64	21607	41.039	ug/L	99
9) Trichlorofluoromethane	2.126	101	62051	40.975	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	46882	44.151	ug/L	96
12) 1,1-Dichloroethene	2.566	96	45989	43.963	ug/L	92
13) Acetone	2.611	43	36613	81.137	ug/L	98
14) Carbon disulfide	2.779	76	140360	43.585	ug/L	98
15) Methyl Acetate	2.933	43	46601	43.116	ug/L	100
16) Methylene chloride	3.029	84	54612	45.341	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	50461	47.181	ug/L	97
18) Methyl tert-butyl Ether	3.348	73	154362	46.744	ug/L	99
19) 1,1-Dichloroethane	3.853	63	87876	44.846	ug/L	95
20) cis-1,2-Dichloroethene	4.650	96	57631	47.459	ug/L	98
22) 2-Butanone	4.685	43	64163	87.056	ug/L	98
23) Bromochloromethane	4.959	128	30089	48.742	ug/L	97
25) Chloroform	5.071	83	92235	46.199	ug/L	99

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27) 1,2-Dichloroethane	5.779	62	65091	45.020	ug/L	99
29) Cyclohexane	5.373	56	78875	43.477	ug/L	97
30) 1,1,1-Trichloroethane	5.299	97	80310	46.662	ug/L	98
31) Carbon tetrachloride	5.512	117	71526	48.147	ug/L	99
33) Benzene	5.759	78	218064	47.536	ug/L	100
34) Trichloroethene	6.531	95	56521	45.541	ug/L	94
35) Methylcyclohexane	6.750	83	84237	44.266	ug/L	97
37) 1,2-Dichloropropane	6.778	63	55775	44.286	ug/L #	98
38) Bromodichloromethane	7.094	83	70049	46.969	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	89702	47.680	ug/L	97
40) 4-Methyl-2-pentanone	7.775	43	125588	83.494	ug/L	96
42) Toluene	7.958	91	235463	48.672	ug/L	100
44) trans-1,3-Dichloropropene	8.196	75	81304	46.520	ug/L	100
45) 1,1,2-Trichloroethane	8.386	97	56457	47.094	ug/L	96
46) Tetrachloroethene	8.540	164	43792	49.938	ug/L	97
48) 2-Hexanone	8.672	43	92007	80.288	ug/L #	93
49) Dibromochloromethane	8.798	129	58904	48.490	ug/L	98
50) 1,2-Dibromoethane	8.910	107	62710	48.428	ug/L	96
51) Chlorobenzene	9.434	112	147843	48.958	ug/L	97
52) Ethylbenzene	9.560	91	250655	47.872	ug/L	99
53) m,p-Xylene	9.682	106	95294	48.745	ug/L	100
54) o-Xylene	10.090	106	93935	47.683	ug/L	99
55) Styrene	10.103	104	162386	48.508	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.769	83	96482	45.583	ug/L	99
59) Bromoform	10.277	173	48948	50.322	ug/L	100
60) 1,2,3-Trichloropropane	10.810	75	70893	45.788	ug/L	97
61) Isopropylbenzene	10.473	105	245175	49.465	ug/L	98
62) 1,3,5-Trimethylbenzene	11.077	105	203784	50.265	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	200383	49.705	ug/L	100
64) 1,3-Dichlorobenzene	11.733	146	114399	48.184	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	115848	47.087	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	113715	48.550	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	18836	44.980	ug/L	93
69) 1,3,5-Trichlorobenzene	13.209	180	78354	49.034	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	63311	46.046	ug/L	98
71) Naphthalene	14.077	128	194933	45.713	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	61394	46.196	ug/L	99

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

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