

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063099.D
 Acq On : 30 Jan 2025 14:42
 Operator : MD/SY
 Sample : VSTD10024
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100024

Quant Time: Jan 31 07:31:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM013025WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 07:29:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	159088	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	145173	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	73885	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	128696	123.989	ug/L	0.00
7) Chloroethane-d5	1.895	69	73534	88.450	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	220381	105.886	ug/L	0.00
21) 2-Butanone-d5	4.602	46	164343	333.501	ug/L	0.00
24) Chloroform-d	5.045	84	223969	95.145	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	130884	85.319	ug/L	0.00
32) Benzene-d6	5.711	84	456569	111.500	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	145511	119.643	ug/L	0.00
41) Toluene-d8	7.885	98	431069	112.081	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	69872	104.715	ug/L	0.00
47) 2-Hexanone-d5	8.618	63	134446	330.850	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	214169	119.060	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.180	152	148742	102.144	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	115939	78.760	ug/L	98
3) Chloromethane	1.515	50	118699	109.695	ug/L	99
5) Vinyl chloride	1.599	62	142765	123.569	ug/L	99
6) Bromomethane	1.833	94	54323	67.695	ug/L	98
8) Chloroethane	1.917	64	59694	85.598	ug/L	100
9) Trichlorofluoromethane	2.126	101	149640	70.040	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	111599	102.265	ug/L	98
12) 1,1-Dichloroethene	2.567	96	110181	112.164	ug/L	96
13) Acetone	2.608	43	100723	233.184	ug/L	91
14) Carbon disulfide	2.779	76	319031	108.285	ug/L	98
15) Methyl Acetate	2.933	43	116158	137.588	ug/L	95
16) Methylene chloride	3.030	84	121944	111.257	ug/L	94
17) trans-1,2-Dichloroethene	3.338	96	105871	103.606	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	334576	95.372	ug/L	98
19) 1,1-Dichloroethane	3.849	63	204533	109.868	ug/L	97
20) cis-1,2-Dichloroethene	4.650	96	121600	106.264	ug/L	99
22) 2-Butanone	4.682	43	156681	268.027	ug/L	97
23) Bromochloromethane	4.959	128	61505	95.979	ug/L	94
25) Chloroform	5.071	83	200946	91.627	ug/L	99
27) 1,2-Dichloroethane	5.779	62	148118	81.344	ug/L	100
29) Cyclohexane	5.373	56	182070	121.754	ug/L	99
30) 1,1,1-Trichloroethane	5.300	97	168166	82.833	ug/L	98
31) Carbon tetrachloride	5.508	117	149628	80.133	ug/L	98
33) Benzene	5.759	78	463082	108.697	ug/L	100
34) Trichloroethene	6.528	95	116423	90.249	ug/L	98
35) Methylcyclohexane	6.750	83	182453	106.466	ug/L	98
37) 1,2-Dichloropropane	6.775	63	121992	116.580	ug/L	100
38) Bromodichloromethane	7.090	83	150592	91.017	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	195310	106.790	ug/L	98
40) 4-Methyl-2-pentanone	7.775	43	322788	278.154	ug/L	98
42) Toluene	7.955	91	497317	109.548	ug/L	98
44) trans-1,3-Dichloropropene	8.197	75	180360	100.277	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	117495	105.579	ug/L	97
46) Tetrachloroethene	8.541	164	88334	94.701	ug/L	99
48) 2-Hexanone	8.669	43	231927	263.193	ug/L	100
49) Dibromochloromethane	8.798	129	121164	92.899	ug/L	98
50) 1,2-Dibromoethane	8.910	107	128527	102.787	ug/L	95
51) Chlorobenzene	9.434	112	299954	101.991	ug/L	99
52) Ethylbenzene	9.557	91	527796	102.766	ug/L	99
53) m,p-Xylene	9.682	106	205228	107.504	ug/L	99
54) o-Xylene	10.087	106	196094	105.520	ug/L	98
55) Styrene	10.103	104	337654	106.624	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.769	83	203424	115.261	ug/L	100
59) Bromoform	10.277	173	99760	98.582	ug/L	100
60) 1,2,3-Trichloropropane	10.811	75	150719	106.988	ug/L	98
61) Isopropylbenzene	10.473	105	517123	104.940	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	444083	105.078	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	424617	102.504	ug/L	100
64) 1,3-Dichlorobenzene	11.733	146	233897	100.228	ug/L	100
65) 1,4-Dichlorobenzene	11.823	146	236062	100.444	ug/L	99
67) 1,2-Dichlorobenzene	12.200	146	232736	102.215	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.984	75	46161	110.638	ug/L	98
69) 1,3,5-Trichlorobenzene	13.209	180	173502	110.773	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	150401	123.982	ug/L	99
71) Naphthalene	14.074	128	492202	150.475	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	145440	126.418	ug/L	99

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

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