

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063096.D
 Acq On : 30 Jan 2025 13:29
 Operator : MD/SY
 Sample : VSTD00521
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005021

Quant Time: Jan 31 07:29:30 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/31/2025
 Supervised By : Mahesh Dadoda 01/31/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	146102	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	136178	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	64746	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	5121	5.372	ug/L	0.00
7) Chloroethane-d5	1.905	69	3360	4.401	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	9715	5.083	ug/L	0.00
21) 2-Butanone-d5	4.644	46	6201m	13.702	ug/L	0.04
24) Chloroform-d	5.056	84	9898	4.579	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	5095	3.616	ug/L	0.00
32) Benzene-d6	5.718	84	18164	4.729	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	5862	5.138	ug/L	0.00
41) Toluene-d8	7.891	98	16135	4.472	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.178	79	2747	4.389	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	4209	11.042	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.747	84	8432	4.997	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	6142	4.813	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	6043	4.470	ug/L	98
3) Chloromethane	1.519	50	6160	6.199	ug/L	95
5) Vinyl chloride	1.602	62	7017	6.613	ug/L	96
6) Bromomethane	1.850	94	2636	3.577	ug/L	98
8) Chloroethane	1.927	64	3059	4.776	ug/L	95
9) Trichlorofluoromethane	2.133	101	8190	4.174	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	5570	5.558	ug/L	96
12) 1,1-Dichloroethene	2.570	96	5783	6.410	ug/L	88
13) Acetone	2.618	43	4719	11.896	ug/L	90
14) Carbon disulfide	2.785	76	19099	7.059	ug/L	99
15) Methyl Acetate	2.946	43	5478	7.065	ug/L	94
16) Methylene chloride	3.033	84	6757	6.713	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	6004	6.398	ug/L	96
18) Methyl tert-butyl Ether	3.351	73	17539	5.444	ug/L	100
19) 1,1-Dichloroethane	3.856	63	10647	6.228	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	6411	6.100	ug/L	96
22) 2-Butanone	4.711	43	7053m	13.138	ug/L	
23) Bromochloromethane	4.965	128	3283	5.578	ug/L	92
25) Chloroform	5.075	83	10634	5.280	ug/L	97
27) 1,2-Dichloroethane	5.789	62	7477	4.471	ug/L	100
29) Cyclohexane	5.377	56	8840	6.302	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	8698	4.567	ug/L	98
31) Carbon tetrachloride	5.515	117	7473	4.267	ug/L	99
33) Benzene	5.766	78	21704	5.431	ug/L	100
34) Trichloroethene	6.535	95	6506	5.376	ug/L	96
35) Methylcyclohexane	6.750	83	9743	6.061	ug/L	98
37) 1,2-Dichloropropane	6.782	63	6660	6.785	ug/L #	96
38) Bromodichloromethane	7.097	83	7396	4.765	ug/L #	98
39) cis-1,3-Dichloropropene	7.602	75	8845	5.156	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	13706	12.591	ug/L	95
42) Toluene	7.962	91	23071	5.418	ug/L	98
44) trans-1,3-Dichloropropene	8.207	75	8046	4.769	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	6127	5.869	ug/L	94
46) Tetrachloroethene	8.547	164	4290	4.903	ug/L	93
48) 2-Hexanone	8.682	43	9805	11.862	ug/L	94
49) Dibromochloromethane	8.801	129	5973	4.882	ug/L	96
50) 1,2-Dibromoethane	8.914	107	6461	5.508	ug/L	92
51) Chlorobenzene	9.441	112	15429	5.593	ug/L	100
52) Ethylbenzene	9.563	91	26574	5.516	ug/L	99
53) m,p-Xylene	9.689	106	9222	5.150	ug/L	100
54) o-Xylene	10.094	106	8619	4.944	ug/L	93
55) Styrene	10.110	104	14041	4.727	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	9905	5.983	ug/L	90
59) Bromoform	10.284	173	4597	5.184	ug/L #	96
60) 1,2,3-Trichloropropane	10.814	75	7653	6.199	ug/L	98
61) Isopropylbenzene	10.477	105	23411	5.421	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	17324	4.678	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	16918	4.661	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	11452	5.600	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	12532	6.085	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	11497	5.762	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.988	75	1972	5.394	ug/L	93
69) 1,3,5-Trichlorobenzene	13.213	180	7407	5.397	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	6934	6.523	ug/L	97
71) Naphthalene	14.084	128	20959	7.312	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	6744	6.689	ug/L	94

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

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