

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063100.D
 Acq On : 30 Jan 2025 15:07
 Operator : MD/SY
 Sample : VSTD20025
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200025

Quant Time: Jan 31 07:31:48 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	6.232	114	150805	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	145948	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	86459	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	243672m	247.654	ug/L	0.00
7) Chloroethane-d5	1.862	69	88121m	111.818	ug/L	-0.04
11) 1,1-Dichloroethene-d2	2.521	63	424910	215.369	ug/L	-0.04
21) 2-Butanone-d5	4.614	46	334257	715.563	ug/L	0.00
24) Chloroform-d	5.042	84	425707	190.779	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.682	65	253605	174.398	ug/L	0.00
32) Benzene-d6	5.704	84	875008	212.553	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	301486	246.574	ug/L	0.00
41) Toluene-d8	7.884	98	801203	207.212	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	142399	212.275	ug/L	0.00
47) 2-Hexanone-d5	8.637	63	303893	743.861	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.749	84	452913	250.445	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	334559	196.335	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.373	85	231610m	165.981	ug/L	
3) Chloromethane	1.521	50	226180	220.503	ug/L	99
5) Vinyl chloride	1.599	62	281625m	257.146	ug/L	
6) Bromomethane	1.820	94	49515	65.093	ug/L	99
8) Chloroethane	1.881	64	70065m	105.987	ug/L	
9) Trichlorofluoromethane	2.058	101	305371	150.781	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.531	101	216430	209.221	ug/L	98
12) 1,1-Dichloroethene	2.531	96	209266	224.733	ug/L	92
13) Acetone	2.631	43	187452	457.807	ug/L	92
14) Carbon disulfide	2.743	76	588100	210.576	ug/L	98
15) Methyl Acetate	2.939	43	223662	279.477	ug/L	94
16) Methylene chloride	3.016	84	220955	212.663	ug/L	93
17) trans-1,2-Dichloroethene	3.319	96	199822	206.288	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	654730	196.883	ug/L	98
19) 1,1-Dichloroethane	3.836	63	370798	210.119	ug/L	97
20) cis-1,2-Dichloroethene	4.640	96	231575	213.484	ug/L	99
22) 2-Butanone	4.695	43	311853	562.773	ug/L	93
23) Bromochloromethane	4.952	128	114714	188.844	ug/L	92
25) Chloroform	5.068	83	383459	184.452	ug/L	100
27) 1,2-Dichloroethane	5.775	62	284229	164.668	ug/L	98
29) Cyclohexane	5.360	56	350873	233.389	ug/L	98
30) 1,1,1-Trichloroethane	5.293	97	324313	158.897	ug/L	98
31) Carbon tetrachloride	5.502	117	280921	149.648	ug/L	99
33) Benzene	5.753	78	873379	203.915	ug/L	100
34) Trichloroethene	6.524	95	249307	192.233	ug/L	96
35) Methylcyclohexane	6.743	83	375271	217.818	ug/L	98
37) 1,2-Dichloropropane	6.775	63	240993	229.079	ug/L	98
38) Bromodichloromethane	7.093	83	294003	176.750	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	390656	212.466	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	623242	534.211	ug/L	99
42) Toluene	7.955	91	948545	207.833	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	361257	199.785	ug/L	99

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45) 1,1,2-Trichloroethane	8.389	97	243250	217.419	ug/L	99
46) Tetrachloroethene	8.540	164	172383	183.828	ug/L	99
48) 2-Hexanone	8.685	43	526953	594.815	ug/L	97
49) Dibromochloromethane	8.801	129	250392	190.961	ug/L	100
50) 1,2-Dibromoethane	8.913	107	258002	205.236	ug/L	97
51) Chlorobenzene	9.437	112	601733	203.517	ug/L	100
52) Ethylbenzene	9.560	91	1066764	206.605	ug/L	99
53) m,p-Xylene	9.682	106	405089	211.070	ug/L	99
54) o-Xylene	10.090	106	436802	233.799	ug/L	100
55) Styrene	10.106	104	768489	241.383	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	434040	244.622	ug/L	99
59) Bromoform	10.286	173	215596	182.065	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	320983	194.714	ug/L	99
61) Isopropylbenzene	10.476	105	1086290	188.381	ug/L	100
62) 1,3,5-Trimethylbenzene	11.080	105	919865	186.002	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	980892	202.354	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	539221	197.458	ug/L	98
65) 1,4-Dichlorobenzene	11.826	146	544146	197.861	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	514537	193.114	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.984	75	93848	192.221	ug/L	98
69) 1,3,5-Trichlorobenzene	13.209	180	356564	194.541	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	317253	223.490	ug/L	99
71) Naphthalene	14.077	128	1016282	265.511	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	302522	224.713	ug/L	100

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

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