

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010825\
 Data File : VU062663.D
 Acq On : 08 Jan 2025 09:58
 Operator : MD/SY
 Sample : VSTD00515
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 23:05:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 08 23:04:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	139219	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	131031	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	63962	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	4412	4.619	ug/L	0.00
7) Chloroethane-d5	1.904	69	3713	5.283	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	9286	5.054	ug/L	0.00
21) 2-Butanone-d5	4.640	46	3724m	6.173	ug/L	0.03
24) Chloroform-d	5.052	84	10094	4.945	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	6347	4.829	ug/L	0.00
32) Benzene-d6	5.718	84	16847	4.532	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	4795	4.145	ug/L	0.00
41) Toluene-d8	7.891	98	16168	4.667	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	2495	4.188	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	2487m	5.959	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	7454	4.444	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	6261	4.955	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	6748	5.066	ug/L	96
3) Chloromethane	1.518	50	5099	4.826	ug/L	99
5) Vinyl chloride	1.602	62	5138	4.643	ug/L	95
6) Bromomethane	1.846	94	4040	6.216	ug/L	96
8) Chloroethane	1.927	64	3239	5.080	ug/L	93
9) Trichlorofluoromethane	2.133	101	9630	5.414	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	5104	5.322	ug/L	89
12) 1,1-Dichloroethene	2.573	96	4292	4.923	ug/L	85
13) Acetone	2.615	43	4057	5.752	ug/L	97
14) Carbon disulfide	2.785	76	12812	4.873	ug/L	98
15) Methyl Acetate	2.943	43	3309	3.638	ug/L	96
16) Methylene chloride	3.036	84	4659	4.705	ug/L	91
17) trans-1,2-Dichloroethene	3.348	96	4427	4.926	ug/L	94
18) Methyl tert-butyl Ether	3.348	73	15369	5.037	ug/L	98
19) 1,1-Dichloroethane	3.853	63	8256	4.831	ug/L	94
20) cis-1,2-Dichloroethene	4.660	96	4628	4.527	ug/L	94
22) 2-Butanone	4.714	43	4317m	5.595	ug/L	
23) Bromochloromethane	4.965	128	2865	5.283	ug/L	98
25) Chloroform	5.078	83	9809	5.196	ug/L	93
27) 1,2-Dichloroethane	5.788	62	8545	5.601	ug/L	98
29) Cyclohexane	5.374	56	5983	4.145	ug/L	95
30) 1,1,1-Trichloroethane	5.306	97	9535	5.494	ug/L	97
31) Carbon tetrachloride	5.512	117	8677	5.591	ug/L	94
33) Benzene	5.766	78	19308	5.051	ug/L	100
34) Trichloroethene	6.534	95	6857	6.431	ug/L	94
35) Methylcyclohexane	6.750	83	6617	4.174	ug/L	94
37) 1,2-Dichloropropane	6.782	63	4351	4.358	ug/L #	93
38) Bromodichloromethane	7.097	83	7649	5.422	ug/L	93
39) cis-1,3-Dichloropropene	7.602	75	8028	4.859	ug/L	91
40) 4-Methyl-2-pentanone	7.782	43	9485m	7.809	ug/L	
42) Toluene	7.962	91	19669	4.771	ug/L	95
44) trans-1,3-Dichloropropene	8.203	75	7550	4.879	ug/L	97

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45) 1,1,2-Trichloroethane	8.393	97	4924	4.878	ug/L	84
46) Tetrachloroethene	8.544	164	4069	4.984	ug/L	94
49) Dibromochloromethane	8.798	129	5825	5.366	ug/L	100
50) 1,2-Dibromoethane	8.917	107	5384	4.890	ug/L #	96
51) Chlorobenzene	9.438	112	13268	5.040	ug/L	97
52) Ethylbenzene	9.563	91	21900	4.805	ug/L	98
53) m,p-Xylene	9.689	106	7821	4.640	ug/L	95
54) o-Xylene	10.090	106	7770	4.697	ug/L	89
55) Styrene	10.107	104	12515	4.495	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.772	83	7514	4.571	ug/L	92
59) Bromoform	10.280	173	4372	5.347	ug/L #	90
60) 1,2,3-Trichloropropane	10.814	75	6608	5.210	ug/L #	89
61) Isopropylbenzene	10.476	105	20861	4.881	ug/L	98
62) 1,3,5-Trimethylbenzene	11.078	105	17360	4.732	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	16666	4.734	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	10191	5.119	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	10252	5.065	ug/L	92
67) 1,2-Dichlorobenzene	12.206	146	9599	4.910	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.987	75	1855	5.081	ug/L #	66
69) 1,3,5-Trichlorobenzene	13.219	180	5951	4.260	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	4056	3.465	ug/L #	92
71) Naphthalene	14.093	128	9677m	3.137	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	3944	3.547	ug/L	98

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

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