

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010825\
 Data File : VU062664.D
 Acq On : 08 Jan 2025 10:21
 Operator : MD/SY
 Sample : VSTD01016
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010016

Quant Time: Jan 08 23:05:37 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	143527	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	137152	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	69382	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	9235	9.377	ug/L	0.00
7) Chloroethane-d5	1.904	69	7473	10.313	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	18928	9.993	ug/L	0.00
21) 2-Butanone-d5	4.628	46	8568	13.776	ug/L	0.02
24) Chloroform-d	5.052	84	21569	10.250	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	14690	10.841	ug/L	0.00
32) Benzene-d6	5.718	84	36020	9.257	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	10339	8.538	ug/L	0.00
41) Toluene-d8	7.888	98	34266	9.449	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	5767	9.248	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	5867	13.430	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	15340	8.738	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	13061	9.529	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	14566	10.608	ug/L	99
3) Chloromethane	1.518	50	9958	9.142	ug/L	92
5) Vinyl chloride	1.602	62	10675	9.356	ug/L	97
6) Bromomethane	1.846	94	7903	11.794	ug/L	93
8) Chloroethane	1.927	64	6624	10.078	ug/L	89
9) Trichlorofluoromethane	2.132	101	22056	12.027	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	10067	10.182	ug/L	95
12) 1,1-Dichloroethene	2.573	96	9045	10.062	ug/L	84
13) Acetone	2.618	43	8093	11.130	ug/L	97
14) Carbon disulfide	2.785	76	27291	10.069	ug/L	97
15) Methyl Acetate	2.939	43	6926	7.386	ug/L	94
16) Methylene chloride	3.036	84	10184	9.975	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	9401	10.146	ug/L	93
18) Methyl tert-butyl Ether	3.351	73	32711	10.399	ug/L #	90
19) 1,1-Dichloroethane	3.856	63	16944	9.618	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	10471	9.934	ug/L	90
22) 2-Butanone	4.701	43	10438m	13.122	ug/L	
23) Bromochloromethane	4.965	128	6151	11.001	ug/L	95
25) Chloroform	5.078	83	21067	10.825	ug/L	96
27) 1,2-Dichloroethane	5.782	62	17951	11.414	ug/L	97
29) Cyclohexane	5.373	56	13165	8.715	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	20111	11.070	ug/L	99
31) Carbon tetrachloride	5.512	117	18764	11.550	ug/L	97
33) Benzene	5.766	78	38398	9.596	ug/L	100
34) Trichloroethene	6.531	95	11930	10.689	ug/L	93
35) Methylcyclohexane	6.753	83	15412	9.289	ug/L	96
37) 1,2-Dichloropropane	6.782	63	9271	8.872	ug/L #	95
38) Bromodichloromethane	7.094	83	16101	10.904	ug/L #	97
39) cis-1,3-Dichloropropene	7.598	75	15861	9.171	ug/L	94
40) 4-Methyl-2-pentanone	7.779	43	19333	15.206	ug/L	97
42) Toluene	7.959	91	41978	9.727	ug/L	97
44) trans-1,3-Dichloropropene	8.203	75	15808	9.760	ug/L	98

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45) 1,1,2-Trichloroethane	8.389	97	10900	10.316	ug/L	95
46) Tetrachloroethene	8.544	164	9028	10.564	ug/L	91
48) 2-Hexanone	8.676	43	15036m	14.311	ug/L	
49) Dibromochloromethane	8.798	129	12677	11.156	ug/L	99
50) 1,2-Dibromoethane	8.914	107	12047	10.454	ug/L	91
51) Chlorobenzene	9.438	112	27298	9.907	ug/L	96
52) Ethylbenzene	9.560	91	47507	9.959	ug/L	96
53) m,p-Xylene	9.685	106	17447	9.889	ug/L	92
54) o-Xylene	10.090	106	16657	9.620	ug/L	95
55) Styrene	10.106	104	27994	9.606	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	15127	8.791	ug/L	96
59) Bromoform	10.280	173	9459	10.665	ug/L #	96
60) 1,2,3-Trichloropropane	10.811	75	12955	9.416	ug/L	96
61) Isopropylbenzene	10.473	105	45984	9.918	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	39120	9.831	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	37475	9.813	ug/L	97
64) 1,3-Dichlorobenzene	11.737	146	21432	9.925	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	21915	9.980	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	21495	10.135	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	3560	8.990	ug/L	99
69) 1,3,5-Trichlorobenzene	13.212	180	14253	9.406	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	9617	7.575	ug/L	97
71) Naphthalene	14.087	128	22951m	6.858	ug/L	
72) 1,2,3-Trichlorobenzene	14.325	180	9126	7.566	ug/L	95

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

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