

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031325\
 Data File : VV038700.D
 Acq On : 13 Mar 2025 11:26
 Operator : SY/MD
 Sample : VSTD010004
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 13 12:15:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 13 11:33:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	181383	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	191406	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	106799	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	117042	6.24	ug/L	0.00
7) Chloroethane-d5	1.529	69	114674	8.12	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	57971	7.39	ug/L	0.00
20) 2-Butanone-d5	3.780	46	327440	100.54	ug/L	-0.01
24) Chloroform-d	4.236	84	283444	9.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.931	65	132339	10.11	ug/L	0.00
32) Benzene-d6	4.947	84	536758	9.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.976	67	162856	9.81	ug/L	0.00
41) Toluene-d8	7.233	98	503971	10.08	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	52672	8.65	ug/L	0.00
46) 2-Hexanone-d5	8.014	63	283802	120.28	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.143	84	137601	9.75	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	173261	9.36	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	180035	8.35	ug/L	98
3) Chloromethane	1.214	50	170600	8.44	ug/L	98
5) Vinyl chloride	1.282	62	182830	8.54	ug/L	97
6) Bromomethane	1.484	94	86843	9.41	ug/L	95
8) Chloroethane	1.545	64	112130	8.46	ug/L	95
9) Trichlorofluoromethane	1.706	101	253817	8.88	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	150241	Supervised by : Zengzhen Ye Reviewed by : Mingshan Daboda APPROVED Manual integrations 12/01/2025 Client Sample : MSAOA Instrument :		
12) 1,1-Dichloroethene	2.063	96	136643			
13) Acetone	2.117	43	276789			
14) Carbon disulfide	2.233	76	435593			
15) Methyl Acetate	2.375	43	54126	8.79	ug/L	98
16) Methylene chloride	2.439	84	150353	12/01/2025 Client Sample : MSAOA Instrument :		
17) Methyl tert-butyl Ether	2.696	73	307695			
18) trans-1,2-Dichloroethene	2.687	96	141882			
19) 1,1-Dichloroethane	3.101	63	274164	9.22	ug/L	97
21) 2-Butanone	3.857	43	373957	104.16	ug/L	96
22) cis-1,2-Dichloroethene	3.802	96	153102	9.61	ug/L	96
23) Bromochloromethane	4.133	128	70176	9.26	ug/L	96
25) Chloroform	4.262	83	280194	9.43	ug/L	95
27) 1,2-Dichloroethane	5.031	62	163416	9.34	ug/L	97
29) 1,1,1-Trichloroethane	4.500	97	242515	8.98	ug/L	99
30) Cyclohexane	4.571	56	223850	9.60	ug/L	97
31) Carbon tetrachloride	4.722	117	214339	9.10	ug/L	99
33) Benzene	4.998	78	595093	9.82	ug/L	100
34) Trichloroethene	5.822	95	150111	9.64	ug/L	95
35) Methylcyclohexane	6.040	83	238028	9.72	ug/L	99
37) 1,2-Dichloropropane	6.082	63	151181	9.87	ug/L	99
38) Bromodichloromethane	6.423	83	196220	9.33	ug/L	97
39) cis-1,3-Dichloropropene	6.944	75	216353	10.38	ug/L	96
40) 4-Methyl-2-pentanone	7.146	43	862313	107.22	ug/L	97
42) Toluene	7.304	91	639151	9.93	ug/L	99
44) trans-1,3-Dichloropropene	7.571	75	182929	10.43	ug/L	100

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45) 1,1,2-Trichloroethane	7.760	97	113083	9.44	ug/L	97
47) Tetrachloroethene	7.895	164	115594	9.55	ug/L	94
48) 2-Hexanone	8.063	43	655823	110.51	ug/L	100
49) Dibromochloromethane	8.165	129	127082	9.56	ug/L	99
50) 1,2-Dibromoethane	8.275	107	105144	9.49	ug/L	92
51) Chlorobenzene	8.805	112	401673	9.49	ug/L	98
52) Ethylbenzene	8.937	91	680510	9.96	ug/L	99
53) m,p-Xylene	9.063	106	269613	10.72	ug/L	95
54) o-Xylene	9.471	106	248075	10.10	ug/L	98
55) Styrene	9.487	104	453721	10.93	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.169	83	138528	9.40	ug/L	97
59) Bromoform	9.657	173	66228	9.28	ug/L	99
60) Isopropylbenzene	9.857	105	683468	9.72	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	91521	8.32	ug/L	98
62) 1,3,5-Trimethylbenzene	10.468	105	542293	9.79	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	548484	9.96	ug/L	100
64) 1,3-Dichlorobenzene	11.107	146	329251	9.36	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	332757	9.30	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	302534	9.17	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.355	75	20623	9.22	ug/L	98
69) 1,3,5-Trichlorobenzene	12.574	180	217948	9.45	ug/L	99
70) 1,2,4-trichlorobenzene	13.188	180	174825	10.02	ug/L	99
71) Naphthalene	13.432	128	279841	10.03	ug/L	98
72) 1,2,3-Trichlorobenzene	13.670	180	167759	10.38	ug/L	99

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

Supervised by : Jemette Yezliut 03/14/2025
 Reviewed by : Marnesh Dabodg 03/14/2025

APPROVED
 Manual Integrations

VSTD010004
 Client Sampled :
 MSVOA_V
 Instrument :

