

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031325\
 Data File : VU063278.D
 Acq On : 13 Mar 2025 10:15
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

Quant Time: Mar 14 10:14:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Feb 24 11:41:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	202841	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	195957	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	93722	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	68914	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.898	69	64138	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.554	65	30560	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.608	46	173831	47.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.30%
24) Chloroform-d	5.049	84	150295	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.689	65	73384	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.714	84	295514	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.679	67	93163	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.888	98	263393	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloroprop...	8.171	79	29323	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.621	63	132259	48.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.02%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	71968	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
66) 1,2-Dichlorobenzene-d4	12.184	152	83083	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	94572	5.07	ug/L	99
3) Chloromethane	1.518	50	106658	4.98	ug/L	99
5) Vinyl chloride	1.596	62	106198	5.08	ug/L	99
6) Bromomethane	1.840	94	57812	4.72	ug/L	98
8) Chloroethane	1.920	64	61703	4.84	ug/L	99
9) Trichlorofluoromethane	2.126	101	120945	5.04	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	74502	5.00	ug/L	99
12) 1,1-Dichloroethene	2.567	96	71604	4.92	ug/L	94
13) Acetone	2.615	43	115540	49.84	ug/L	99
14) Carbon disulfide	2.779	76	244970	5.12	ug/L	99
15) Methyl Acetate	2.943	43	30386	4.89	ug/L	98
16) Methylene chloride	3.030	84	82482	4.62	ug/L	99
17) Methyl tert-butyl Ether	3.351	73	172803	4.67	ug/L	99
18) trans-1,2-Dichloroethene	3.338	96	74733	4.87	ug/L	98
19) 1,1-Dichloroethane	3.853	63	149826	4.90	ug/L	100
21) 2-Butanone	4.689	43	190855	49.30	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	85925	4.93	ug/L	97
23) Bromochloromethane	4.962	128	36983	4.78	ug/L	99
25) Chloroform	5.075	83	152015	4.89	ug/L	98

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 MSVOA_U
 ClientSampleId :
 VSTD005138

Quant Time: Mar 14 10:14:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	96302	4.85	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	124039	5.01	ug/L	100
30) Cyclohexane	5.374	56	135040	5.52	ug/L	99
31) Carbon tetrachloride	5.509	117	106707	5.09	ug/L	100
33) Benzene	5.759	78	344243	5.01	ug/L	100
34) Trichloroethene	6.531	95	86650	5.02	ug/L	98
35) Methylcyclohexane	6.753	83	130465	5.23	ug/L	99
37) 1,2-Dichloropropane	6.779	63	90564	4.95	ug/L	100
38) Bromodichloromethane	7.094	83	108493	4.97	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	123838	4.89	ug/L	96
40) 4-Methyl-2-pentanone	7.779	43	471708	49.53	ug/L	99
42) Toluene	7.959	91	364358	5.20	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	103530	4.97	ug/L	100
45) 1,1,2-Trichloroethane	8.390	97	63048	4.84	ug/L	98
47) Tetrachloroethene	8.544	164	64277	5.15	ug/L	97
48) 2-Hexanone	8.673	43	334145	50.21	ug/L	99
49) Dibromochloromethane	8.798	129	68410	4.94	ug/L	100
50) 1,2-Dibromoethane	8.914	107	58452	4.91	ug/L	97
51) Chlorobenzene	9.438	112	214659	4.95	ug/L	99
52) Ethylbenzene	9.560	91	370881	5.07	ug/L	99
53) m,p-Xylene	9.685	106	141198	5.18	ug/L	99
54) o-Xylene	10.090	106	133609	5.11	ug/L	99
55) Styrene	10.103	104	230940	5.38	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	79052	4.81	ug/L	99
59) Bromoform	10.280	173	40540	4.77	ug/L	97
60) Isopropylbenzene	10.473	105	359848	5.14	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	52761	4.64	ug/L	98
62) 1,3,5-Trimethylbenzene	11.078	105	281478	5.17	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	277382	5.42	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	162381	4.98	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	161619	4.98	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	152312	5.00	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	11191	5.27	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	113919	5.06	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	81425	5.06	ug/L	98
71) Naphthalene	14.081	128	107444	4.99	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	71242	5.16	ug/L	99

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

