

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061225\
 Data File : VV038789.D
 Acq On : 12 Jun 2025 12:39
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

Quant Time: Jun 13 12:53:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 13 12:53:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	212448	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	223955	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	123898	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	104822	3.524	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.400%
7) Chloroethane-d5	1.539	69	83966	3.989	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.800%
11) 1,1-Dichloroethene-d2	2.066	65	43210	3.587	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.800%
20) 2-Butanone-d5	3.786	46	184069	48.118	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.240%
24) Chloroform-d	4.249	84	187047	4.417	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	4.941	65	89243	4.625	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	4.957	84	333388	4.138	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
36) 1,2-Dichloropropane-d6	5.982	67	105182	4.198	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.000%
41) Toluene-d8	7.236	98	292857	4.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	7.548	79	36687	4.225	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.014	63	146724	50.253	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.500%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	87721	4.816	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	11.548	152	96531	4.213	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.118	85	136999	4.826	ug/L	99
3) Chloromethane	1.224	50	137563	4.203	ug/L	98
5) Vinyl chloride	1.291	62	155351	5.009	ug/L	94
6) Bromomethane	1.494	94	80192	5.168	ug/L	97
8) Chloroethane	1.558	64	92243	4.912	ug/L	97
9) Trichlorofluoromethane	1.722	101	207986	5.145	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	120191	5.206	ug/L	99
12) 1,1-Dichloroethene	2.076	96	107661	4.963	ug/L	97
13) Acetone	2.118	43	151670	51.326	ug/L	93
14) Carbon disulfide	2.246	76	345738	4.689	ug/L	100
15) Methyl Acetate	2.381	43	39834	4.922	ug/L	94
16) Methylene chloride	2.452	84	118185	4.846	ug/L	96
17) Methyl tert-butyl Ether	2.706	73	198211	5.007	ug/L	99
18) trans-1,2-Dichloroethene	2.700	96	104515	4.826	ug/L	92
19) 1,1-Dichloroethane	3.111	63	221039	5.112	ug/L	99
21) 2-Butanone	3.863	43	207790	48.968	ug/L	99
22) cis-1,2-Dichloroethene	3.815	96	111462	5.177	ug/L	95
23) Bromochloromethane	4.150	128	52683	5.423	ug/L	95
25) Chloroform	4.275	83	222415	5.171	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	125366	5.203	ug/L	100
29) 1,1,1-Trichloroethane	4.507	97	190281	5.060	ug/L	99
30) Cyclohexane	4.580	56	164019	4.713	ug/L	97
31) Carbon tetrachloride	4.732	117	167807	5.061	ug/L	98
33) Benzene	5.005	78	453746	5.152	ug/L	100
34) Trichloroethene	5.828	95	115254	5.136	ug/L	98
35) Methylcyclohexane	6.043	83	165478	4.664	ug/L	97
37) 1,2-Dichloropropane	6.088	63	125615	5.393	ug/L	100
38) Bromodichloromethane	6.426	83	153539	5.059	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	150316	4.877	ug/L	96
40) 4-Methyl-2-pentanone	7.146	43	594395	55.960	ug/L	98
42) Toluene	7.307	91	488535	5.470	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	132315	5.098	ug/L	92
45) 1,1,2-Trichloroethane	7.764	97	81925	4.968	ug/L	97
47) Tetrachloroethene	7.895	164	86894	5.008	ug/L	95
48) 2-Hexanone	8.063	43	424982	57.972	ug/L	95
49) Dibromochloromethane	8.166	129	98405	5.382	ug/L	99
50) 1,2-Dibromoethane	8.275	107	75705	5.282	ug/L	96
51) Chlorobenzene	8.805	112	298497	5.154	ug/L	99
52) Ethylbenzene	8.937	91	468634	5.136	ug/L	100
53) m,p-Xylene	9.066	106	184484	5.345	ug/L	94
54) o-Xylene	9.468	106	172253	5.271	ug/L	96
55) Styrene	9.487	104	320753	5.732	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	96612	5.115	ug/L	98
59) Bromoform	9.657	173	51283	5.286	ug/L	96
60) Isopropylbenzene	9.857	105	464695	5.058	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	66090	5.020	ug/L	99
62) 1,3,5-Trimethylbenzene	10.464	105	337740	4.782	ug/L	98
63) 1,2,4-Trimethylbenzene	10.841	105	349283	4.943	ug/L	100
64) 1,3-Dichlorobenzene	11.108	146	232996	5.262	ug/L	99
65) 1,4-Dichlorobenzene	11.198	146	237386	5.107	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	207891	5.117	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.355	75	12507	4.448	ug/L	99
69) 1,3,5-Trichlorobenzene	12.570	180	144061	5.018	ug/L	99
70) 1,2,4-trichlorobenzene	13.188	180	109101	4.832	ug/L	98
71) Naphthalene	13.429	128	167856	4.605	ug/L	98
72) 1,2,3-Trichlorobenzene	13.667	180	103480	5.002	ug/L	98

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

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