

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060625\
 Data File : VU063366.D
 Acq On : 06 Jun 2025 21:02
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005140

Quant Time: Jun 09 12:10:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060625WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 09 11:34:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	108333	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	107072	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	57488	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	53636	5.046	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.000%
7) Chloroethane-d5	1.898	69	43366	5.213	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.200%
11) 1,1-Dichloroethene-d2	2.551	65	18457	4.984	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.600%
20) 2-Butanone-d5	4.615	46	120908	53.420	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.840%
24) Chloroform-d	5.052	84	89301	5.364	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.200%
26) 1,2-Dichloroethane-d4	5.692	65	44602	5.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	5.714	84	168726	5.229	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
36) 1,2-Dichloropropane-d6	6.679	67	56077	5.220	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.888	98	149074	5.437	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.800%
43) trans-1,3-Dichloroprop...	8.174	79	19679	5.258	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.200%
46) 2-Hexanone-d5	8.624	63	91172	55.455	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.900%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	49028	5.258	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	51440	5.343	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	51123	5.048	ug/L	99
3) Chloromethane	1.518	50	61860	4.859	ug/L	98
5) Vinyl chloride	1.596	62	69380	5.032	ug/L	99
6) Bromomethane	1.840	94	37981	5.058	ug/L	98
8) Chloroethane	1.920	64	42806	5.087	ug/L	92
9) Trichlorofluoromethane	2.123	101	79552	5.086	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	43704	4.880	ug/L	100
12) 1,1-Dichloroethene	2.563	96	42087	5.026	ug/L	96
13) Acetone	2.618	43	76123	46.930	ug/L	97
14) Carbon disulfide	2.776	76	143200	4.910	ug/L	99
15) Methyl Acetate	2.946	43	20257	4.744	ug/L	99
16) Methylene chloride	3.030	84	52721	4.923	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	105052	4.942	ug/L	99
18) trans-1,2-Dichloroethene	3.338	96	45395	4.848	ug/L	99
19) 1,1-Dichloroethane	3.853	63	95815	5.119	ug/L	98
21) 2-Butanone	4.695	43	127478	51.603	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	52623	5.032	ug/L	98
23) Bromochloromethane	4.962	128	23163	4.785	ug/L	99
25) Chloroform	5.075	83	94093	5.020	ug/L	99

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27) 1,2-Dichloroethane	5.782	62	61507	5.101	ug/L	100
29) 1,1,1-Trichloroethane	5.303	97	74146	5.060	ug/L	99
30) Cyclohexane	5.374	56	75989	4.993	ug/L	98
31) Carbon tetrachloride	5.512	117	61600	5.034	ug/L	99
33) Benzene	5.763	78	210066	5.164	ug/L	100
34) Trichloroethene	6.534	95	52928	4.948	ug/L	95
35) Methylcyclohexane	6.753	83	73005	4.849	ug/L	99
37) 1,2-Dichloropropane	6.779	63	58692	5.203	ug/L	100
38) Bromodichloromethane	7.097	83	66960	5.017	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	74881	4.889	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	321237	52.882	ug/L	99
42) Toluene	7.959	91	222540	5.287	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	62151	4.976	ug/L	97
45) 1,1,2-Trichloroethane	8.390	97	41080	5.092	ug/L	97
47) Tetrachloroethene	8.544	164	38859	5.109	ug/L	98
48) 2-Hexanone	8.676	43	231229	53.111	ug/L	99
49) Dibromochloromethane	8.801	129	42967	4.976	ug/L	97
50) 1,2-Dibromoethane	8.914	107	38082	5.131	ug/L	97
51) Chlorobenzene	9.438	112	134077	4.990	ug/L	97
52) Ethylbenzene	9.563	91	220489	5.108	ug/L	100
53) m,p-Xylene	9.685	106	84184	5.221	ug/L	97
54) o-Xylene	10.094	106	81434	5.300	ug/L	94
55) Styrene	10.107	104	140572	5.371	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	52476	5.075	ug/L	98
59) Bromoform	10.280	173	25468	4.974	ug/L	100
60) Isopropylbenzene	10.476	105	210803	5.158	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	35539	5.095	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	160713	5.098	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	154522	5.106	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	102004	5.033	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	100812	4.959	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	95597	5.029	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	6714	5.041	ug/L	89
69) 1,3,5-Trichlorobenzene	13.213	180	66842	4.961	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	50588	4.760	ug/L	99
71) Naphthalene	14.084	128	73074	4.811	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	47048	4.866	ug/L	97

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

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