

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012225\
 Data File : VU062953.D
 Acq On : 22 Jan 2025 09:37
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005115

Quant Time: Jan 23 00:39:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 22 02:20:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	78685	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	73728	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	44032	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	21929	5.032	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.600%
7) Chloroethane-d5	1.904	69	16095	4.591	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.560	65	11668	5.168	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.400%
20) 2-Butanone-d5	4.608	46	58504	65.685	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.380%#
24) Chloroform-d	5.052	84	62537	5.833	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.600%
26) 1,2-Dichloroethane-d4	5.692	65	32115	5.522	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.400%
32) Benzene-d6	5.717	84	91176	5.059	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.679	67	25043	5.012	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.888	98	88288	5.028	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
43) trans-1,3-Dichloroprop...	8.171	79	13008	5.222	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.400%
46) 2-Hexanone-d5	8.621	63	35653	45.511	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.020%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	18222	4.354	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	12.183	152	37185	5.076	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.380	85	42582	5.681	ug/L 99
3) Chloromethane	1.515	50	27703	5.507	ug/L 97
5) Vinyl chloride	1.599	62	31104	5.491	ug/L 98
6) Bromomethane	1.846	94	19457	4.721	ug/L 95
8) Chloroethane	1.927	64	16165	4.750	ug/L 95
9) Trichlorofluoromethane	2.132	101	58043	5.080	ug/L 99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	31802	5.761	ug/L 99
12) 1,1-Dichloroethene	2.573	96	27286	5.586	ug/L 98
13) Acetone	2.618	43	40084	56.811	ug/L 99
14) Carbon disulfide	2.785	76	79647	5.105	ug/L 100
15) Methyl Acetate	2.943	43	9318	6.099	ug/L 98
16) Methylene chloride	3.036	84	30274	5.658	ug/L 97
17) Methyl tert-butyl Ether	3.351	73	76539	5.701	ug/L 98
18) trans-1,2-Dichloroethene	3.345	96	28952	5.533	ug/L 98
19) 1,1-Dichloroethane	3.856	63	54226	5.795	ug/L 98
21) 2-Butanone	4.692	43	55560	59.127	ug/L 98
22) cis-1,2-Dichloroethene	4.653	96	33274	5.839	ug/L 97
23) Bromochloromethane	4.962	128	14652	5.446	ug/L 95
25) Chloroform	5.074	83	65406	5.680	ug/L 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	38791	5.152	ug/L	100
29) 1,1,1-Trichloroethane	5.303	97	63158	5.647	ug/L	98
30) Cyclohexane	5.377	56	41077	5.625	ug/L	98
31) Carbon tetrachloride	5.512	117	58058	5.649	ug/L	97
33) Benzene	5.762	78	106354	5.021	ug/L	100
34) Trichloroethene	6.534	95	32687	4.517	ug/L	99
35) Methylcyclohexane	6.753	83	43576	4.894	ug/L	96
37) 1,2-Dichloropropane	6.779	63	24918	4.987	ug/L	99
38) Bromodichloromethane	7.094	83	43645	5.431	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	42023	4.939	ug/L	98
40) 4-Methyl-2-pentanone	7.778	43	116610	49.956	ug/L	99
42) Toluene	7.959	91	119480	5.147	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	40559	5.530	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	18751	4.620	ug/L	89
47) Tetrachloroethene	8.544	164	27590	5.536	ug/L	95
48) 2-Hexanone	8.672	43	77553	46.213	ug/L	93
49) Dibromochloromethane	8.798	129	29080	5.337	ug/L	95
50) 1,2-Dibromoethane	8.913	107	21246	5.472	ug/L	94
51) Chlorobenzene	9.438	112	76742	5.056	ug/L	99
52) Ethylbenzene	9.560	91	140172	5.322	ug/L	99
53) m,p-Xylene	9.685	106	50573	5.134	ug/L	99
54) o-Xylene	10.090	106	44081	4.672	ug/L	97
55) Styrene	10.103	104	73825	4.677	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.769	83	19918	4.375	ug/L #	99
59) Bromoform	10.280	173	17455	4.545	ug/L	99
60) Isopropylbenzene	10.473	105	127467	4.201	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	14872	3.808	ug/L	93
62) 1,3,5-Trimethylbenzene	11.077	105	124937	4.844	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	126399	5.066	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	73652	5.236	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	73548	5.185	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	67275	5.103	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	5381	5.319	ug/L	94
69) 1,3,5-Trichlorobenzene	13.209	180	55013	5.193	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	39287	4.604	ug/L	96
71) Naphthalene	14.080	128	47019	3.766	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	32817	4.412	ug/L	96

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

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