

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062023\
 Data File : VU054612.D
 Acq On : 20 Jun 2023 14:59
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005191

Quant Time: Jun 21 03:59:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 17 06:10:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	332330	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	318522	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	165927	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	135486	6.406	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.200%
7) Chloroethane-d5	1.911	69	104347	5.269	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.400%
11) 1,1-Dichloroethene-d2	2.563	65	49982	5.291	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.800%
20) 2-Butanone-d5	4.624	46	260797	43.858	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.720%
24) Chloroform-d	5.058	84	199264	4.507	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.698	65	97457	4.522	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.724	84	401388	4.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.685	67	133275	4.507	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.894	98	364845	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.177	79	50174	4.879	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.631	63	194196	45.015	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.040%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	91363	4.143	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	118852	4.247	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	132236	4.258	ug/L	100
3) Chloromethane	1.518	50	156019	4.374	ug/L	100
5) Vinyl chloride	1.602	62	165322	4.515	ug/L	100
6) Bromomethane	1.856	94	87504	4.347	ug/L	97
8) Chloroethane	1.933	64	101748	4.636	ug/L	98
9) Trichlorofluoromethane	2.136	101	207082	4.601	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	125145	4.752	ug/L	98
12) 1,1-Dichloroethene	2.576	96	109955	4.562	ug/L #	79
13) Acetone	2.634	43	308447	55.014	ug/L	99
14) Carbon disulfide	2.792	76	296146	4.143	ug/L	100
15) Methyl Acetate	2.952	43	52091	5.014	ug/L	95
16) Methylene chloride	3.042	84	142939	4.217	ug/L	91
17) Methyl tert-butyl Ether	3.361	73	278384	4.679	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	110655	4.446	ug/L	95
19) 1,1-Dichloroethane	3.866	63	257320	4.996	ug/L	99
21) 2-Butanone	4.702	43	390269	53.634	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	132267	4.667	ug/L	99
23) Bromochloromethane	4.972	128	53891	4.570	ug/L	94
25) Chloroform	5.084	83	251281	4.949	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	145916	4.903	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	207590	4.806	ug/L	98
30) Cyclohexane	5.383	56	212346	4.514	ug/L	97
31) Carbon tetrachloride	5.521	117	171099	4.597	ug/L	99
33) Benzene	5.769	78	534844	4.672	ug/L	100
34) Trichloroethene	6.541	95	138018	4.559	ug/L	93
35) Methylcyclohexane	6.759	83	206688	4.517	ug/L	98
37) 1,2-Dichloropropane	6.785	63	149137	4.818	ug/L	99
38) Bromodichloromethane	7.100	83	171659	4.899	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	206079	4.877	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	836135	50.621	ug/L	97
42) Toluene	7.965	91	566872	4.808	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	168254	4.906	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	95111	4.830	ug/L	99
47) Tetrachloroethene	8.550	164	97583	4.211	ug/L	98
48) 2-Hexanone	8.679	43	644656	52.379	ug/L	97
49) Dibromochloromethane	8.804	129	102628	4.964	ug/L	99
50) 1,2-Dibromoethane	8.920	107	84058	4.650	ug/L	100
51) Chlorobenzene	9.444	112	341688	4.650	ug/L	98
52) Ethylbenzene	9.566	91	612010	4.754	ug/L	99
53) m,p-Xylene	9.692	106	228905	4.840	ug/L	99
54) o-Xylene	10.097	106	218619	4.780	ug/L	99
55) Styrene	10.110	104	379443	4.943	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.778	83	121152	4.844	ug/L	98
59) Bromoform	10.287	173	59159	4.966	ug/L	100
60) Isopropylbenzene	10.479	105	600166	4.944	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	79861	4.762	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	473865	4.785	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	484103	4.813	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	279782	4.931	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	279635	4.911	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	251854	4.826	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	18396	4.992	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	208069	4.860	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	169713	4.794	ug/L	99
71) Naphthalene	14.084	128	257532	4.474	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	146750	4.825	ug/L	97

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

