

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060923\
 Data File : VU054450.D
 Acq On : 09 Jun 2023 09:36
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005177

Quant Time: Jun 12 00:56:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:20:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	310353	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	285665	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	150442	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	77528	3.925	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.600%
7) Chloroethane-d5	1.914	69	76300	4.126	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.566	65	35285	4.000	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.631	46	255175	45.951	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.900%
24) Chloroform-d	5.062	84	180811	4.380	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.698	65	87268	4.336	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
32) Benzene-d6	5.724	84	336436	4.237	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
36) 1,2-Dichloropropane-d6	6.689	67	114763	4.328	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.894	98	299727	4.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.177	79	38571	4.182	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.600%
46) 2-Hexanone-d5	8.631	63	166075	42.924	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.840%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86314	4.365	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	106433	4.194	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	145686	5.024	ug/L	98
3) Chloromethane	1.518	50	164114	4.926	ug/L	99
5) Vinyl chloride	1.602	62	173432	5.072	ug/L	98
6) Bromomethane	1.859	94	95312	5.070	ug/L	97
8) Chloroethane	1.933	64	102799	5.016	ug/L	96
9) Trichlorofluoromethane	2.139	101	217771	5.181	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	128584	5.229	ug/L	99
12) 1,1-Dichloroethene	2.579	96	115315	5.123	ug/L	97
13) Acetone	2.647	43	256542	48.996	ug/L	98
14) Carbon disulfide	2.792	76	344450	5.160	ug/L	99
15) Methyl Acetate	2.959	43	47002	4.844	ug/L	100
16) Methylene chloride	3.046	84	127164	4.017	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	281975	5.075	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	119895	5.159	ug/L	95
19) 1,1-Dichloroethane	3.865	63	247741	5.151	ug/L	99
21) 2-Butanone	4.711	43	354056	52.103	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	133574	5.047	ug/L	98
23) Bromochloromethane	4.972	128	56087	5.093	ug/L	97
25) Chloroform	5.084	83	244531	5.157	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	141241	5.082	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	202707	5.233	ug/L	99
30) Cyclohexane	5.386	56	215305	5.103	ug/L	99
31) Carbon tetrachloride	5.521	117	178961	5.362	ug/L	99
33) Benzene	5.772	78	529938	5.162	ug/L	100
34) Trichloroethene	6.537	95	138439	5.099	ug/L	96
35) Methylcyclohexane	6.759	83	210315	5.125	ug/L	99
37) 1,2-Dichloropropane	6.788	63	144603	5.209	ug/L	98
38) Bromodichloromethane	7.100	83	163905	5.216	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	199147	5.255	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	755519	51.001	ug/L	99
42) Toluene	7.965	91	561913	5.315	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	159364	5.181	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	93089	5.271	ug/L	98
47) Tetrachloroethene	8.550	164	105227	5.064	ug/L	97
48) 2-Hexanone	8.679	43	558649	50.612	ug/L	99
49) Dibromochloromethane	8.804	129	100220	5.405	ug/L	99
50) 1,2-Dibromoethane	8.920	107	84899	5.237	ug/L	97
51) Chlorobenzene	9.444	112	341120	5.176	ug/L	99
52) Ethylbenzene	9.566	91	599616	5.193	ug/L	100
53) m,p-Xylene	9.692	106	225416	5.314	ug/L	97
54) o-Xylene	10.097	106	216025	5.266	ug/L	99
55) Styrene	10.110	104	370304	5.378	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	112898	5.033	ug/L	98
59) Bromoform	10.286	173	56791	5.258	ug/L	100
60) Isopropylbenzene	10.479	105	586767	5.332	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	78142	5.140	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	474214	5.281	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	479027	5.253	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	273435	5.315	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	265299	5.139	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	245754	5.194	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	16283	4.874	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	199401	5.137	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	155923	4.858	ug/L	98
71) Naphthalene	14.084	128	233760	4.479	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	134624	4.882	ug/L	98

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

