

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021323\
 Data File : VU053089.D
 Acq On : 13 Feb 2023 18:37
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005140

Quant Time: Feb 14 00:49:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 14 00:41:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	113122	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	102956	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	48338	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	21393	3.948	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.000%
7) Chloroethane-d5	1.913	69	22815	4.479	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.563	65	9890	3.979	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.640	46	93517	56.345	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.680%
24) Chloroform-d	5.058	84	59145	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.697	65	30735	4.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.723	84	106882	4.620	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.688	67	38094	4.728	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.894	98	91359	4.371	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	8.173	79	15367	4.711	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.630	63	77796	53.716	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.440%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	34642	5.006	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	35916	4.974	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	40404	4.865	ug/L	100
3) Chloromethane	1.518	50	43104	4.981	ug/L	97
5) Vinyl chloride	1.601	62	47705	5.004	ug/L	99
6) Bromomethane	1.855	94	26869	4.532	ug/L	97
8) Chloroethane	1.932	64	28273	5.036	ug/L	99
9) Trichlorofluoromethane	2.138	101	62724	4.776	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	35999	4.979	ug/L	98
12) 1,1-Dichloroethene	2.579	96	32741	4.892	ug/L	94
13) Acetone	2.659	43	48482	40.693	ug/L #	25
14) Carbon disulfide	2.791	76	103224	5.108	ug/L	98
15) Methyl Acetate	2.955	43	14086	4.842	ug/L #	82
16) Methylene chloride	3.042	84	40361	5.213	ug/L	99
17) Methyl tert-butyl Ether	3.360	73	94128	5.180	ug/L	100
18) trans-1,2-Dichloroethene	3.347	96	35010	4.944	ug/L	97
19) 1,1-Dichloroethane	3.865	63	69317	5.197	ug/L	100
21) 2-Butanone	4.717	43	89211	50.687	ug/L	94
22) cis-1,2-Dichloroethene	4.662	96	40134	5.022	ug/L	95
23) Bromochloromethane	4.968	128	16740	5.289	ug/L	98
25) Chloroform	5.083	83	70910	5.086	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	44488	5.191	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	61425	4.994	ug/L	97
30) Cyclohexane	5.382	56	61986	5.040	ug/L	99
31) Carbon tetrachloride	5.521	117	52609	5.125	ug/L	99
33) Benzene	5.768	78	152744	5.149	ug/L	100
34) Trichloroethene	6.537	95	41372	4.956	ug/L	97
35) Methylcyclohexane	6.759	83	66551	4.924	ug/L	99
37) 1,2-Dichloropropane	6.787	63	41894	5.186	ug/L	99
38) Bromodichloromethane	7.103	83	51198	4.888	ug/L	99
39) cis-1,3-Dichloropropene	7.601	75	65590	5.090	ug/L	96
40) 4-Methyl-2-pentanone	7.787	43	218057	51.708	ug/L	100
42) Toluene	7.964	91	162751	5.050	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	53983	5.079	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	28638	4.920	ug/L	97
47) Tetrachloroethene	8.549	164	26752	4.930	ug/L	96
48) 2-Hexanone	8.681	43	157815	50.989	ug/L	100
49) Dibromochloromethane	8.803	129	32745	5.160	ug/L	95
50) 1,2-Dibromoethane	8.919	107	27675	5.153	ug/L	96
51) Chlorobenzene	9.443	112	101514	5.049	ug/L	99
52) Ethylbenzene	9.565	91	184888	5.055	ug/L	98
53) m,p-Xylene	9.691	106	69774	5.102	ug/L	97
54) o-Xylene	10.096	106	68282	5.151	ug/L	99
55) Styrene	10.109	104	110791	5.152	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	36890	5.009	ug/L	98
59) Bromoform	10.286	173	17341	4.935	ug/L	98
60) Isopropylbenzene	10.479	105	185542	5.305	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	24233	5.221	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	154861	5.244	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	154343	5.222	ug/L	99
64) 1,3-Dichlorobenzene	11.739	146	72633	5.129	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	72744	5.126	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	69262	5.245	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.990	75	6129	5.618	ug/L	97
69) 1,3,5-Trichlorobenzene	13.215	180	48639	4.821	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	42040	5.020	ug/L	99
71) Naphthalene	14.083	128	86339	5.140	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	38155	5.162	ug/L	100

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

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