

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052223\
 Data File : VU054233.D
 Acq On : 22 May 2023 09:03
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005171

Quant Time: May 22 12:42:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 20 02:06:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	188902	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	179750	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	99083	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45333	4.451	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.912	69	34717	4.557	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.565	65	20075	4.364	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.629	46	95856	52.778	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.560%
24) Chloroform-d	5.057	84	90737	4.739	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.697	65	42046	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.722	84	172235	4.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.687	67	51907	4.906	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.893	98	162516	4.702	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	8.176	79	21381	5.003	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.000%
46) 2-Hexanone-d5	8.629	63	71989	56.578	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.160%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	40324	5.317	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	58047	4.801	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	72167	5.053	ug/L	99
3) Chloromethane	1.517	50	67344	5.087	ug/L	96
5) Vinyl chloride	1.604	62	74584	5.303	ug/L	97
6) Bromomethane	1.858	94	42982	5.037	ug/L	93
8) Chloroethane	1.932	64	46209	5.187	ug/L	100
9) Trichlorofluoromethane	2.134	101	114214	5.112	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	70693	5.457	ug/L	98
12) 1,1-Dichloroethene	2.575	96	58513	5.061	ug/L	91
13) Acetone	2.645	43	131878	53.376	ug/L	97
14) Carbon disulfide	2.790	76	148417	5.109	ug/L	99
15) Methyl Acetate	2.954	43	27561	6.222	ug/L	95
16) Methylene chloride	3.041	84	69842	4.614	ug/L	99
17) Methyl tert-butyl Ether	3.359	73	151729	5.213	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	59840	5.088	ug/L	97
19) 1,1-Dichloroethane	3.864	63	125660	5.336	ug/L	95
21) 2-Butanone	4.710	43	184775	56.459	ug/L	99
22) cis-1,2-Dichloroethene	4.661	96	71235	5.180	ug/L	98
23) Bromochloromethane	4.970	128	32587	5.425	ug/L	97
25) Chloroform	5.083	83	133749	5.237	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	77677	5.289	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	114734	5.099	ug/L	99
30) Cyclohexane	5.385	56	94003	5.133	ug/L	98
31) Carbon tetrachloride	5.520	117	101210	5.187	ug/L	100
33) Benzene	5.771	78	271597	5.338	ug/L	100
34) Trichloroethene	6.539	95	71981	5.261	ug/L	99
35) Methylcyclohexane	6.758	83	100552	5.026	ug/L	97
37) 1,2-Dichloropropane	6.787	63	71691	5.366	ug/L	99
38) Bromodichloromethane	7.102	83	93010	5.498	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	103913	5.221	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	392934	57.783	ug/L	99
42) Toluene	7.967	91	290229	5.399	ug/L	96
44) trans-1,3-Dichloropropene	8.205	75	90494	5.539	ug/L	96
45) 1,1,2-Trichloroethane	8.394	97	52133	5.415	ug/L	95
47) Tetrachloroethene	8.549	164	57637	5.126	ug/L	94
48) 2-Hexanone	8.681	43	297473	57.858	ug/L	100
49) Dibromochloromethane	8.806	129	60069	5.589	ug/L	97
50) 1,2-Dibromoethane	8.918	107	48627	5.496	ug/L #	100
51) Chlorobenzene	9.443	112	187744	5.165	ug/L	99
52) Ethylbenzene	9.565	91	317028	5.292	ug/L	99
53) m,p-Xylene	9.690	106	123157	5.412	ug/L	99
54) o-Xylene	10.095	106	118549	5.275	ug/L	98
55) Styrene	10.111	104	203075	5.527	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	63384	5.544	ug/L	98
59) Bromoform	10.288	173	35276	5.536	ug/L	99
60) Isopropylbenzene	10.481	105	323976	5.359	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	44319	5.517	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	262387	5.317	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	264099	5.362	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	161427	5.349	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	156805	5.231	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	146945	5.306	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	9941	5.789	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.214	180	120740	5.363	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	95921	5.146	ug/L	98
71) Naphthalene	14.082	128	142124	5.271	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	87565	5.550	ug/L	99

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

