

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054162.D
 Acq On : 18 May 2023 12:18
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005166

Quant Time: May 19 01:58:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 01:52:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	225084	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	213396	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	117528	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	49331	4.065	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.400%
7) Chloroethane-d5	1.912	69	37654	4.148	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.000%
11) 1,1-Dichloroethene-d2	2.565	65	21523	3.927	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	4.633	46	86541	39.990	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.980%
24) Chloroform-d	5.060	84	89121	3.906	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
26) 1,2-Dichloroethane-d4	5.697	65	40800	3.887	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
32) Benzene-d6	5.723	84	175856	4.047	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.000%
36) 1,2-Dichloropropane-d6	6.687	67	52533	4.182	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.600%
41) Toluene-d8	7.893	98	168333	4.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	8.176	79	19967	3.936	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.800%
46) 2-Hexanone-d5	8.629	63	62051	41.078	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.160%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	35874	3.985	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	59732	4.165	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	71816	4.220	ug/L	99
3) Chloromethane	1.517	50	66432	4.211	ug/L	100
5) Vinyl chloride	1.604	62	72359	4.318	ug/L	99
6) Bromomethane	1.858	94	45388	4.464	ug/L	95
8) Chloroethane	1.935	64	44543	4.196	ug/L	97
9) Trichlorofluoromethane	2.137	101	114825	4.313	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	69189	4.483	ug/L	98
12) 1,1-Dichloroethene	2.578	96	58444	4.242	ug/L	97
13) Acetone	2.645	43	125876	42.757	ug/L	96
14) Carbon disulfide	2.790	76	147873	4.272	ug/L	100
15) Methyl Acetate	2.954	43	22466	4.257	ug/L	100
16) Methylene chloride	3.041	84	77336	4.288	ug/L	97
17) Methyl tert-butyl Ether	3.359	73	147280	4.246	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	59443	4.242	ug/L	95
19) 1,1-Dichloroethane	3.864	63	118802	4.234	ug/L	98
21) 2-Butanone	4.710	43	168244	43.144	ug/L	97
22) cis-1,2-Dichloroethene	4.661	96	68704	4.193	ug/L	96
23) Bromochloromethane	4.970	128	30326	4.237	ug/L	97
25) Chloroform	5.083	83	125745	4.132	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	72995	4.171	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	111767	4.184	ug/L	99
30) Cyclohexane	5.382	56	97200	4.470	ug/L	98
31) Carbon tetrachloride	5.520	117	97681	4.217	ug/L	99
33) Benzene	5.771	78	260967	4.321	ug/L	100
34) Trichloroethene	6.539	95	68793	4.235	ug/L	97
35) Methylcyclohexane	6.758	83	104215	4.388	ug/L	99
37) 1,2-Dichloropropane	6.787	63	67521	4.257	ug/L	99
38) Bromodichloromethane	7.102	83	84995	4.232	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	101923	4.314	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	356068	44.106	ug/L	99
42) Toluene	7.964	91	282321	4.424	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	82876	4.273	ug/L	95
45) 1,1,2-Trichloroethane	8.394	97	49039	4.291	ug/L	98
47) Tetrachloroethene	8.549	164	58733	4.400	ug/L	99
48) 2-Hexanone	8.681	43	272213	44.597	ug/L	100
49) Dibromochloromethane	8.806	129	53581	4.199	ug/L	100
50) 1,2-Dibromoethane	8.919	107	45039	4.288	ug/L	96
51) Chlorobenzene	9.443	112	185245	4.293	ug/L	98
52) Ethylbenzene	9.565	91	318712	4.481	ug/L	99
53) m,p-Xylene	9.690	106	122406	4.531	ug/L	97
54) o-Xylene	10.095	106	118518	4.442	ug/L	99
55) Styrene	10.108	104	199843	4.581	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	57188	4.214	ug/L	99
59) Bromoform	10.288	173	32120	4.250	ug/L	98
60) Isopropylbenzene	10.481	105	327557	4.568	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	40204	4.219	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	268228	4.582	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	269515	4.613	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	158241	4.421	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	159806	4.494	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	143590	4.371	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	8445	4.146	ug/L	85
69) 1,3,5-Trichlorobenzene	13.214	180	121691	4.557	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	101803	4.604	ug/L	100
71) Naphthalene	14.082	128	154044	4.816	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	88597	4.734	ug/L	99

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

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