

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051923\
 Data File : VU054210.D
 Acq On : 19 May 2023 10:54
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005169

Quant Time: May 20 02:03:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 04:28:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	182140	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	168204	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	90918	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45937	4.678	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.912	69	35488	4.831	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.565	65	20041	4.519	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	4.636	46	88417	50.490	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.980%
24) Chloroform-d	5.057	84	88035	4.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.697	65	39813	4.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.722	84	166271	4.854	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.687	67	49980	5.048	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.893	98	156785	4.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	8.176	79	18870	4.719	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.400%
46) 2-Hexanone-d5	8.629	63	66339	55.716	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.440%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	37135	5.233	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	54280	4.893	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	68153	4.949	ug/L	100
3) Chloromethane	1.517	50	64613	5.062	ug/L	99
5) Vinyl chloride	1.604	62	71853	5.299	ug/L	94
6) Bromomethane	1.858	94	41248	5.014	ug/L	97
8) Chloroethane	1.935	64	45055	5.245	ug/L	98
9) Trichlorofluoromethane	2.134	101	109607	5.088	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	64479	5.162	ug/L	98
12) 1,1-Dichloroethene	2.575	96	56508	5.069	ug/L	89
13) Acetone	2.649	43	93162	39.106	ug/L	97
14) Carbon disulfide	2.790	76	142776	5.098	ug/L	99
15) Methyl Acetate	2.954	43	23117	5.413	ug/L	100
16) Methylene chloride	3.041	84	67260	4.609	ug/L	95
17) Methyl tert-butyl Ether	3.359	73	146915	5.235	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	59300	5.230	ug/L	98
19) 1,1-Dichloroethane	3.864	63	118159	5.204	ug/L	98
21) 2-Butanone	4.710	43	152634	48.370	ug/L	96
22) cis-1,2-Dichloroethene	4.661	96	68244	5.147	ug/L	98
23) Bromochloromethane	4.970	128	30872	5.330	ug/L	95
25) Chloroform	5.083	83	125119	5.081	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	71037	5.017	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	108842	5.169	ug/L	100
30) Cyclohexane	5.385	56	91198	5.321	ug/L	96
31) Carbon tetrachloride	5.520	117	95399	5.224	ug/L	99
33) Benzene	5.771	78	251832	5.290	ug/L	100
34) Trichloroethene	6.539	95	69618	5.437	ug/L	97
35) Methylcyclohexane	6.758	83	90231	4.820	ug/L	99
37) 1,2-Dichloropropane	6.787	63	68064	5.445	ug/L	99
38) Bromodichloromethane	7.102	83	84418	5.333	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	91895	4.934	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	359985	56.572	ug/L	99
42) Toluene	7.963	91	269178	5.351	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	77395	5.063	ug/L	96
45) 1,1,2-Trichloroethane	8.394	97	48173	5.347	ug/L	98
47) Tetrachloroethene	8.549	164	53080	5.045	ug/L	94
48) 2-Hexanone	8.681	43	253025	52.591	ug/L	99
49) Dibromochloromethane	8.806	129	53928	5.362	ug/L	100
50) 1,2-Dibromoethane	8.918	107	46522	5.619	ug/L	96
51) Chlorobenzene	9.443	112	178541	5.249	ug/L	99
52) Ethylbenzene	9.565	91	300282	5.356	ug/L	98
53) m,p-Xylene	9.690	106	114455	5.375	ug/L	97
54) o-Xylene	10.095	106	112504	5.350	ug/L	99
55) Styrene	10.108	104	190635	5.544	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	57639	5.388	ug/L	95
59) Bromoform	10.285	173	32199	5.507	ug/L	99
60) Isopropylbenzene	10.481	105	301756	5.439	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	39693	5.385	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	245894	5.430	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	245621	5.434	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	145963	5.271	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	145152	5.277	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	135568	5.335	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	8976	5.696	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	105837	5.123	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	87863	5.137	ug/L	98
71) Naphthalene	14.082	128	132371	5.350	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	78573	5.427	ug/L	100

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

