

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062023\
 Data File : VU054629.D
 Acq On : 20 Jun 2023 22:50
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005192

Quant Time: Jun 21 04:07:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 21 04:02:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	330909	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	310798	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	164849	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	146339	6.949	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 139.000%#	
7) Chloroethane-d5	1.914	69	112524	5.707	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 114.200%	
11) 1,1-Dichloroethene-d2	2.567	65	56587	6.016	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 120.400%	
20) 2-Butanone-d5	4.628	46	307674	51.963	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 103.920%	
24) Chloroform-d	5.058	84	222654	5.058	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 101.200%	
26) 1,2-Dichloroethane-d4	5.698	65	110349	5.142	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 102.800%	
32) Benzene-d6	5.724	84	440702	5.101	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 102.000%	
36) 1,2-Dichloropropane-d6	6.685	67	142948	4.954	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 99.000%	
41) Toluene-d8	7.894	98	400480	5.223	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 104.400%	
43) trans-1,3-Dichloroprop...	8.174	79	53399	5.322	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 106.400%	
46) 2-Hexanone-d5	8.627	63	210993	50.124	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 100.240%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	105617	4.909	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 98.200%	
66) 1,2-Dichlorobenzene-d4	12.187	152	132675	4.772	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 95.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	128003	4.140	ug/L	99
3) Chloromethane	1.522	50	151313	4.260	ug/L	99
5) Vinyl chloride	1.605	62	163122	4.474	ug/L	100
6) Bromomethane	1.859	94	84222	4.202	ug/L	98
8) Chloroethane	1.933	64	103662	4.744	ug/L	98
9) Trichlorofluoromethane	2.139	101	204240	4.557	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	120229	4.585	ug/L	98
12) 1,1-Dichloroethene	2.579	96	107981	4.499	ug/L #	79
13) Acetone	2.641	43	211286	37.846	ug/L	98
14) Carbon disulfide	2.792	76	302485	4.250	ug/L	100
15) Methyl Acetate	2.952	43	55573	5.372	ug/L	93
16) Methylene chloride	3.042	84	148008	4.385	ug/L	94
17) Methyl tert-butyl Ether	3.361	73	279941	4.725	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	109899	4.435	ug/L	92
19) 1,1-Dichloroethane	3.866	63	260623	5.082	ug/L	99
21) 2-Butanone	4.708	43	358059	49.419	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	133528	4.732	ug/L	95
23) Bromochloromethane	4.972	128	56295	4.794	ug/L	94
25) Chloroform	5.084	83	246132	4.868	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	152284	5.139	ug/L #	95
29) 1,1,1-Trichloroethane	5.312	97	201686	4.786	ug/L	96
30) Cyclohexane	5.383	56	203489	4.433	ug/L	98
31) Carbon tetrachloride	5.521	117	168078	4.628	ug/L	99
33) Benzene	5.769	78	526776	4.716	ug/L	100
34) Trichloroethene	6.537	95	134895	4.567	ug/L	92
35) Methylcyclohexane	6.759	83	188581	4.224	ug/L	97
37) 1,2-Dichloropropane	6.785	63	151193	5.006	ug/L	99
38) Bromodichloromethane	7.100	83	176503	5.163	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	195664	4.745	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	884326	54.869	ug/L	96
42) Toluene	7.965	91	552346	4.802	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	162542	4.857	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	94152	4.900	ug/L	98
47) Tetrachloroethene	8.550	164	94950	4.200	ug/L	98
48) 2-Hexanone	8.679	43	629164	52.391	ug/L	98
49) Dibromochloromethane	8.804	129	102668	5.089	ug/L	98
50) 1,2-Dibromoethane	8.920	107	87375	4.953	ug/L	97
51) Chlorobenzene	9.441	112	335037	4.673	ug/L	99
52) Ethylbenzene	9.566	91	596882	4.751	ug/L	99
53) m,p-Xylene	9.688	106	220855	4.786	ug/L	96
54) o-Xylene	10.097	106	211987	4.750	ug/L	98
55) Styrene	10.110	104	370704	4.949	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	123270	5.051	ug/L	98
59) Bromoform	10.287	173	62129	5.250	ug/L	99
60) Isopropylbenzene	10.479	105	584535	4.847	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	83363	5.004	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	463715	4.713	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	465652	4.660	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	274413	4.868	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	269236	4.759	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	251076	4.843	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	18997	5.189	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	199678	4.695	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	163174	4.640	ug/L	99
71) Naphthalene	14.081	128	253195	4.428	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	140910	4.664	ug/L	99

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

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