

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122922\
 Data File : VU052603.D
 Acq On : 29 Dec 2022 10:15
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005122

Quant Time: Dec 30 00:56:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 29 00:24:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	162483	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	158635	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	84747	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	84458	5.131	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.600%
7) Chloroethane-d5	1.916	69	76452	5.385	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.800%
11) 1,1-Dichloroethene-d2	2.568	65	35886	5.066	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.400%
20) 2-Butanone-d5	4.636	46	256528	50.253	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.500%
24) Chloroform-d	5.060	84	152312	5.484	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.600%
26) 1,2-Dichloroethane-d4	5.700	65	82410	5.116	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.726	84	298442	5.487	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.800%
36) 1,2-Dichloropropane-d6	6.687	67	101443	5.418	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.400%
41) Toluene-d8	7.896	98	263451	5.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.400%
43) trans-1,3-Dichloroprop...	8.176	79	35383	5.519	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.400%
46) 2-Hexanone-d5	8.632	63	186304	53.117	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.240%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	83014	5.223	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	86847	5.034	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	67364	4.659	ug/L	100
3) Chloromethane	1.520	50	102781	4.925	ug/L	98
5) Vinyl chloride	1.607	62	89998	4.757	ug/L	94
6) Bromomethane	1.861	94	42007	3.895	ug/L	97
8) Chloroethane	1.938	64	58314	4.501	ug/L	98
9) Trichlorofluoromethane	2.141	101	103782	4.852	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	62591	4.923	ug/L	100
12) 1,1-Dichloroethene	2.581	96	57983	4.765	ug/L	92
13) Acetone	2.658	43	156440	41.572	ug/L	97
14) Carbon disulfide	2.797	76	184848	4.714	ug/L	99
15) Methyl Acetate	2.957	43	38668	4.664	ug/L	100
16) Methylene chloride	3.044	84	77920	4.533	ug/L	99
17) Methyl tert-butyl Ether	3.363	73	155361	4.783	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	63674	5.077	ug/L	100
19) 1,1-Dichloroethane	3.867	63	138675	5.084	ug/L	99
21) 2-Butanone	4.716	43	254491	45.919	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	69156	5.025	ug/L	95
23) Bromochloromethane	4.970	128	32086	5.031	ug/L	95
25) Chloroform	5.083	83	137318	5.196	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	91007	4.985	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	103164	5.167	ug/L	98
30) Cyclohexane	5.388	56	102627	4.757	ug/L	99
31) Carbon tetrachloride	5.523	117	85757	4.888	ug/L	98
33) Benzene	5.774	78	289227	5.062	ug/L	100
34) Trichloroethene	6.539	95	63983	4.790	ug/L	99
35) Methylcyclohexane	6.761	83	97019	4.817	ug/L	97
37) 1,2-Dichloropropane	6.787	63	83020	5.207	ug/L	100
38) Bromodichloromethane	7.102	83	97267	5.012	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	101903	5.046	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	578949	49.689	ug/L	98
42) Toluene	7.967	91	288130	5.259	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	91881	5.163	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	55710	4.933	ug/L	98
47) Tetrachloroethene	8.552	164	45348	4.864	ug/L	99
48) 2-Hexanone	8.684	43	435527	49.589	ug/L	99
49) Dibromochloromethane	8.806	129	61017	5.103	ug/L	98
50) 1,2-Dibromoethane	8.922	107	50148	4.885	ug/L	100
51) Chlorobenzene	9.443	112	173387	4.956	ug/L	97
52) Ethylbenzene	9.568	91	281096	4.958	ug/L	99
53) m,p-Xylene	9.690	106	109314	5.229	ug/L	98
54) o-Xylene	10.099	106	105176	5.248	ug/L	99
55) Styrene	10.111	104	173454	4.975	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	77417	4.959	ug/L	97
59) Bromoform	10.288	173	34589	4.645	ug/L	99
60) Isopropylbenzene	10.481	105	272180	4.955	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	54329	4.470	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	212126	4.683	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	218290	4.787	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	133789	4.909	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	132832	4.713	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	128188	4.760	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	11403	4.145	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	89515	4.461	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	71818	4.253	ug/L	97
71) Naphthalene	14.082	128	129954	3.803	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	69013	4.077	ug/L	98

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

