

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120922\
 Data File : VU052289.D
 Acq On : 09 Dec 2022 09:35
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005100

Quant Time: Dec 09 23:10:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	272169	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	266668	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	137131	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	112863	4.263	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.916	69	93965	4.570	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.568	65	44912	4.733	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.600%
20) 2-Butanone-d5	4.636	46	251245	52.356	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.720%
24) Chloroform-d	5.063	84	193282	4.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.700	65	94511	4.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.726	84	399716	5.049	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.687	67	124000	5.061	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.896	98	370357	5.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
43) trans-1,3-Dichloroprop...	8.179	79	43688	4.893	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.800%
46) 2-Hexanone-d5	8.632	63	192369	50.841	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.680%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	107043	5.039	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	123437	4.702	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	110494	4.681	ug/L	100
3) Chloromethane	1.520	50	142099	4.613	ug/L	99
5) Vinyl chloride	1.607	62	141281	4.773	ug/L	98
6) Bromomethane	1.861	94	55140	3.630	ug/L	99
8) Chloroethane	1.938	64	82474	4.481	ug/L	91
9) Trichlorofluoromethane	2.141	101	161368	4.956	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	101342	5.090	ug/L	99
12) 1,1-Dichloroethene	2.581	96	97219	4.924	ug/L	95
13) Acetone	2.655	43	180072	55.260	ug/L	99
14) Carbon disulfide	2.797	76	319245	4.671	ug/L	99
15) Methyl Acetate	2.957	43	41518	4.912	ug/L	99
16) Methylene chloride	3.047	84	124243	4.651	ug/L	99
17) Methyl tert-butyl Ether	3.363	73	200204	4.530	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	100917	4.768	ug/L	97
19) 1,1-Dichloroethane	3.867	63	187728	4.921	ug/L	99
21) 2-Butanone	4.716	43	280134	53.636	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	108591	4.889	ug/L	95
23) Bromochloromethane	4.973	128	54179	5.098	ug/L	91
25) Chloroform	5.086	83	193094	4.996	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	119793	5.060	ug/L	98
29) 1,1,1-Trichloroethane	5.317	97	149490	5.053	ug/L	99
30) Cyclohexane	5.388	56	146069	5.085	ug/L	97
31) Carbon tetrachloride	5.523	117	124791	4.964	ug/L	99
33) Benzene	5.774	78	439433	5.063	ug/L	100
34) Trichloroethene	6.539	95	112610	5.202	ug/L	97
35) Methylcyclohexane	6.761	83	159378	5.118	ug/L	99
37) 1,2-Dichloropropane	6.790	63	115945	5.160	ug/L	99
38) Bromodichloromethane	7.105	83	135447	4.944	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	135424	4.694	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	627049	53.423	ug/L	99
42) Toluene	7.967	91	466671	5.228	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	119849	4.851	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	85894	5.087	ug/L	99
47) Tetrachloroethene	8.552	164	81478	4.911	ug/L	99
48) 2-Hexanone	8.684	43	481371	55.941	ug/L	99
49) Dibromochloromethane	8.809	129	97219	5.141	ug/L	98
50) 1,2-Dibromoethane	8.922	107	80115	5.209	ug/L	97
51) Chlorobenzene	9.446	112	281546	4.947	ug/L	100
52) Ethylbenzene	9.568	91	432691	4.986	ug/L	99
53) m,p-Xylene	9.693	106	173255	5.155	ug/L	97
54) o-Xylene	10.099	106	165809	5.148	ug/L	97
55) Styrene	10.111	104	292533	5.377	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	110771	5.252	ug/L	98
59) Bromoform	10.288	173	54413	4.818	ug/L	96
60) Isopropylbenzene	10.481	105	425796	4.943	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	74746	4.762	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	317326	4.608	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	323053	4.727	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	215694	4.904	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	213532	4.868	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	206988	4.887	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	16449	4.789	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	149035	4.779	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	109811	4.624	ug/L	100
71) Naphthalene	14.082	128	182872	4.101	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	107234	4.589	ug/L	99

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

