

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051895.D
 Acq On : 17 Nov 2022 14:38
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050124

Quant Time: Nov 18 00:55:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	487365	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	481480	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	249510	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	100492	42.001	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.000%
7) Chloroethane-d5	1.903	69	108777	45.376	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.760%
11) 1,1-Dichloroethene-d2	2.568	63	192361	44.834	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.660%
21) 2-Butanone-d5	4.616	46	277045	101.829	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.830%
24) Chloroform-d	5.060	84	285006	47.518	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.040%
26) 1,2-Dichloroethane-d4	5.697	65	171427	46.691	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.380%
32) Benzene-d6	5.726	84	496732	49.480	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.960%
36) 1,2-Dichloropropane-d6	6.687	67	185183	49.556	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.120%
41) Toluene-d8	7.896	98	421201	51.116	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.240%
43) trans-1,3-Dichloroprop...	8.176	79	73430	49.334	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.660%
47) 2-Hexanone-d5	8.629	63	203454	107.129	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.130%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	364253	50.084	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.160%
66) 1,2-Dichlorobenzene-d4	12.188	152	214243	48.792	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	133233	44.528	ug/L	100
3) Chloromethane	1.523	50	187867	47.279	ug/L	100
5) Vinyl chloride	1.604	62	191940	46.569	ug/L	100
6) Bromomethane	1.838	94	90794	50.846	ug/L	98
8) Chloroethane	1.925	64	126607	47.247	ug/L	100
9) Trichlorofluoromethane	2.134	101	231529	46.920	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	147147	47.316	ug/L	100
12) 1,1-Dichloroethene	2.578	96	142107	48.928	ug/L	93
13) Acetone	2.620	43	262455	90.165	ug/L	100
14) Carbon disulfide	2.790	76	373660	46.437	ug/L	100
15) Methyl Acetate	2.944	43	197118	49.672	ug/L	100
16) Methylene chloride	3.044	84	205429	44.306	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	152229	48.635	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	491203	50.705	ug/L	99
19) 1,1-Dichloroethane	3.867	63	314294	49.337	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	182305	49.907	ug/L	99
22) 2-Butanone	4.697	43	328582	99.952	ug/L	99
23) Bromochloromethane	4.970	128	100592	49.902	ug/L	96
25) Chloroform	5.086	83	324798	48.864	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	240224	48.907	ug/L	100
29) Cyclohexane	5.385	56	215942	52.567	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	247352	50.813	ug/L	99
31) Carbon tetrachloride	5.523	117	207626	51.019	ug/L	98
33) Benzene	5.771	78	725745	52.401	ug/L	100
34) Trichloroethene	6.539	95	163899	49.952	ug/L	99
35) Methylcyclohexane	6.761	83	228133	51.277	ug/L	99
37) 1,2-Dichloropropane	6.790	63	198233	50.547	ug/L	99
38) Bromodichloromethane	7.102	83	249458	50.842	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	271155	52.856	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	551333	106.756	ug/L	100
42) Toluene	7.967	91	769932	54.048	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	255120	51.898	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	200222	50.240	ug/L	98
46) Tetrachloroethene	8.552	164	124965	47.689	ug/L	94
48) 2-Hexanone	8.681	43	472293	106.481	ug/L	98
49) Dibromochloromethane	8.806	129	210268	51.170	ug/L	99
50) 1,2-Dibromoethane	8.922	107	203758	50.788	ug/L	99
51) Chlorobenzene	9.443	112	486896	50.020	ug/L	99
52) Ethylbenzene	9.568	91	771363	52.910	ug/L	99
53) m,p-Xylene	9.690	106	307398	54.473	ug/L	100
54) o-Xylene	10.099	106	314002	54.670	ug/L	97
55) Styrene	10.111	104	547507	55.246	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	377603	50.141	ug/L	98
59) Bromoform	10.288	173	165203	48.834	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	284685	47.698	ug/L	99
61) Isopropylbenzene	10.481	105	767162	52.607	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	627064	52.771	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	627250	54.029	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	369794	50.033	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	366483	48.964	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	390854	49.731	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	77079	50.440	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	244173	49.796	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	191327	49.226	ug/L	100
71) Naphthalene	14.082	128	666932	52.175	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	215423	50.640	ug/L	99

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

