

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092322\
 Data File : VU050915.D
 Acq On : 23 Sep 2022 12:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050093

Quant Time: Sep 24 00:20:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 23 01:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	420280	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	407634	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	202824	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	189811	43.591	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.180%
7) Chloroethane-d5	1.909	69	158075	50.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.940%
11) 1,1-Dichloroethene-d2	2.568	63	322651	47.620	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.240%
21) 2-Butanone-d5	4.626	46	324795	115.537	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.540%
24) Chloroform-d	5.064	84	343938	50.402	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.700	65	211049	50.185	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.380%
32) Benzene-d6	5.726	84	672034	50.052	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.100%
36) 1,2-Dichloropropane-d6	6.690	67	223296	49.270	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.540%
41) Toluene-d8	7.896	98	614592	52.366	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.740%
43) trans-1,3-Dichloroprop...	8.176	79	96848	49.122	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.240%
47) 2-Hexanone-d5	8.632	63	194602	104.195	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.190%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	348398	50.422	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.840%
66) 1,2-Dichlorobenzene-d4	12.192	152	213586	50.295	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	224707	51.635	ug/L	98
3) Chloromethane	1.520	50	245538	48.532	ug/L	99
5) Vinyl chloride	1.604	62	251363	50.750	ug/L	97
6) Bromomethane	1.858	94	142817	57.077	ug/L	96
8) Chloroethane	1.929	64	159039	57.995	ug/L	100
9) Trichlorofluoromethane	2.134	101	301953	56.204	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	192252	55.908	ug/L	100
12) 1,1-Dichloroethene	2.578	96	171572	53.101	ug/L	95
13) Acetone	2.636	43	264698	111.202	ug/L	99
14) Carbon disulfide	2.790	76	516822	50.584	ug/L	100
15) Methyl Acetate	2.948	43	247237	55.039	ug/L	99
16) Methylene chloride	3.044	84	222233	49.535	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	174570	52.714	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	528514	52.351	ug/L	99
19) 1,1-Dichloroethane	3.867	63	350471	52.376	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	193756	52.767	ug/L	97
22) 2-Butanone	4.703	43	384786	122.637	ug/L	99
23) Bromochloromethane	4.973	128	102453	53.238	ug/L	97
25) Chloroform	5.086	83	360473	54.054	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	271377	53.547	ug/L	98
29) Cyclohexane	5.388	56	296026	52.770	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	297907	54.933	ug/L	99
31) Carbon tetrachloride	5.523	117	249040	55.279	ug/L	100
33) Benzene	5.774	78	813230	54.210	ug/L	100
34) Trichloroethene	6.543	95	195994	56.245	ug/L	99
35) Methylcyclohexane	6.761	83	309144	55.060	ug/L	98
37) 1,2-Dichloropropane	6.790	63	216151	52.655	ug/L	100
38) Bromodichloromethane	7.105	83	266745	54.539	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	286634	52.179	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	663675	117.312	ug/L	100
42) Toluene	7.967	91	839141	56.347	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	276893	52.988	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	203934	53.908	ug/L	99
46) Tetrachloroethene	8.552	164	138619	55.356	ug/L	98
48) 2-Hexanone	8.684	43	573120	121.237	ug/L	99
49) Dibromochloromethane	8.809	129	206747	55.738	ug/L	97
50) 1,2-Dibromoethane	8.922	107	213521	54.401	ug/L	99
51) Chlorobenzene	9.446	112	486498	53.509	ug/L	98
52) Ethylbenzene	9.568	91	817699	55.039	ug/L	99
53) m,p-Xylene	9.694	106	316604	57.320	ug/L	100
54) o-Xylene	10.099	106	309308	56.203	ug/L	97
55) Styrene	10.112	104	551345	58.432	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	359284	51.327	ug/L	99
59) Bromoform	10.288	173	155606	53.154	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	299142	52.435	ug/L	99
61) Isopropylbenzene	10.485	105	787530	54.332	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	654610	54.938	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	665237	56.376	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	354727	53.517	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	357409	53.113	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	372608	53.091	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	90193	57.482	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	244140	52.644	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	195674	51.558	ug/L	99
71) Naphthalene	14.086	128	732167	50.197	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	225249	53.030	ug/L	99

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

