

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120321\
 Data File : VU046086.D
 Acq On : 03 Dec 2021 19:54
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050120

Quant Time: Dec 04 03:09:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	222970	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	218128	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	115450	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	77658	42.281	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.560%
7) Chloroethane-d5	1.919	69	56109	39.788	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.580%
11) 1,1-Dichloroethene-d2	2.575	63	152194	46.158	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.320%
21) 2-Butanone-d5	4.639	46	112044	76.737	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.740%
24) Chloroform-d	5.067	84	140528	45.816	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.640%
26) 1,2-Dichloroethane-d4	5.703	65	86236	41.894	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.780%
32) Benzene-d6	5.729	84	285794	45.713	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.420%
36) 1,2-Dichloropropane-d6	6.694	67	85849	44.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.620%
41) Toluene-d8	7.899	98	264728	46.506	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.020%
43) trans-1,3-Dichloroprop...	8.179	79	44206	47.262	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.520%
47) 2-Hexanone-d5	8.633	63	82926	90.267	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.270%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	126185	42.943	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.880%
66) 1,2-Dichlorobenzene-d4	12.195	152	99913	44.938	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	124752	51.426	ug/L	98
3) Chloromethane	1.520	50	103032	47.485	ug/L	99
5) Vinyl chloride	1.607	62	116353	53.183	ug/L	100
6) Bromomethane	1.861	94	42038	33.901	ug/L	99
8) Chloroethane	1.938	64	66934	52.840	ug/L	99
9) Trichlorofluoromethane	2.141	101	152771	53.486	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	92718	57.148	ug/L	97
12) 1,1-Dichloroethene	2.585	96	87888	57.007	ug/L	88
13) Acetone	2.655	43	122050	66.884	ug/L	96
14) Carbon disulfide	2.797	76	265042	55.411	ug/L	100
15) Methyl Acetate	2.958	43	112292	52.787	ug/L	98
16) Methylene chloride	3.051	84	101748	55.471	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	96003	58.842	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	305378	60.734	ug/L	100
19) 1,1-Dichloroethane	3.874	63	172539	58.163	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	104064	58.783	ug/L	100
22) 2-Butanone	4.716	43	173502	87.342	ug/L	97
23) Bromochloromethane	4.977	128	53895	60.278	ug/L	94
25) Chloroform	5.092	83	180200	54.673	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	137175	56.086	ug/L	99
29) Cyclohexane	5.391	56	156405	61.578	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	159724	59.653	ug/L	98
31) Carbon tetrachloride	5.530	117	135471	59.597	ug/L	97
33) Benzene	5.777	78	396072	59.994	ug/L	100
34) Trichloroethene	6.543	95	101672	58.458	ug/L	99
35) Methylcyclohexane	6.764	83	162194	60.144	ug/L	97
37) 1,2-Dichloropropane	6.793	63	102641	59.350	ug/L	99
38) Bromodichloromethane	7.108	83	135636	59.006	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	164325	62.459	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	295658	116.358	ug/L	99
42) Toluene	7.970	91	435197	61.434	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	155625	60.226	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	102074	58.831	ug/L	99
46) Tetrachloroethene	8.555	164	78581	61.482	ug/L	99
48) 2-Hexanone	8.684	43	234688	103.277	ug/L	98
49) Dibromochloromethane	8.813	129	111932	61.434	ug/L	96
50) 1,2-Dibromoethane	8.925	107	112041	59.562	ug/L	99
51) Chlorobenzene	9.449	112	274514	59.898	ug/L	99
52) Ethylbenzene	9.571	91	470267	61.683	ug/L	99
53) m,p-Xylene	9.694	106	185513	62.395	ug/L	97
54) o-xylene	10.102	106	180455	62.549	ug/L	98
55) Styrene	10.115	104	305969	62.119	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	172215	57.894	ug/L	100
59) Bromoform	10.292	173	78635	58.061	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	140905	55.677	ug/L	99
61) Isopropylbenzene	10.485	105	474071	63.112	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	404953	64.678	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	405720	64.769	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	215668	60.443	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	218721	59.312	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	214414	59.672	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	39204	58.149	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	159740	61.442	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	147281	63.838	ug/L	100
71) Naphthalene	14.086	128	541682	67.471	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	151405	64.355	ug/L	99

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

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