

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU113021\
 Data File : VU046024.D
 Acq On : 30 Nov 2021 09:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050113

Quant Time: Dec 01 00:31:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 30 02:06:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	196771	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	196294	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	102794	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	77035	47.526	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.060%		
7) Chloroethane-d5	1.919	69	59784	48.038	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.080%		
11) 1,1-Dichloroethene-d2	2.575	63	138433	47.575	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.140%		
21) 2-Butanone-d5	4.649	46	126089	97.854	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.850%		
24) Chloroform-d	5.070	84	131696	48.653	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.300%		
26) 1,2-Dichloroethane-d4	5.707	65	86600	47.672	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.340%		
32) Benzene-d6	5.732	84	275896	49.038	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.080%		
36) 1,2-Dichloropropane-d6	6.694	67	83623	47.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.920%		
41) Toluene-d8	7.903	98	255320	49.842	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.680%		
43) trans-1,3-Dichloroprop...	8.182	79	42500	50.492	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.980%		
47) 2-Hexanone-d5	8.639	63	82311	99.563	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.560%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	125454	47.443	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.880%		
66) 1,2-Dichlorobenzene-d4	12.195	152	96349	48.670	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.340%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	108885	50.861	ug/L	99
3) Chloromethane	1.523	50	96736	50.519	ug/L	99
5) Vinyl chloride	1.607	62	97541	50.520	ug/L	99
6) Bromomethane	1.864	94	56422	51.559	ug/L	97
8) Chloroethane	1.938	64	57667	51.585	ug/L	99
9) Trichlorofluoromethane	2.144	101	129040	51.193	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	75456	52.701	ug/L	99
12) 1,1-Dichloroethene	2.584	96	68403	50.276	ug/L	98
13) Acetone	2.668	43	146272	90.830	ug/L	99
14) Carbon disulfide	2.800	76	214785	50.883	ug/L	100
15) Methyl Acetate	2.961	43	90915	48.429	ug/L	98
16) Methylene chloride	3.051	84	78310	48.377	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	74170	51.513	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	232725	52.447	ug/L	100
19) 1,1-Dichloroethane	3.877	63	136061	51.973	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	79571	50.932	ug/L	96
22) 2-Butanone	4.723	43	170939	97.509	ug/L	99
23) Bromochloromethane	4.980	128	41682	52.825	ug/L	96
25) Chloroform	5.092	83	146443	50.346	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	110771	51.320	ug/L	99
29) Cyclohexane	5.395	56	123214	53.906	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	125003	51.879	ug/L	100
31) Carbon tetrachloride	5.530	117	106338	51.984	ug/L	97
33) Benzene	5.781	78	311410	52.416	ug/L	100
34) Trichloroethene	6.546	95	80115	51.187	ug/L	96
35) Methylcyclohexane	6.768	83	132380	54.549	ug/L	98
37) 1,2-Dichloropropane	6.793	63	80955	52.017	ug/L	100
38) Bromodichloromethane	7.112	83	105824	51.158	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	122489	51.736	ug/L	98
40) 4-Methyl-2-pentanone	7.797	43	243975	106.698	ug/L	99
42) Toluene	7.973	91	337835	52.994	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	125654	54.036	ug/L	100
45) 1,1,2-Trichloroethane	8.404	97	79033	50.618	ug/L	98
46) Tetrachloroethene	8.555	164	60089	52.243	ug/L	97
48) 2-Hexanone	8.687	43	218398	106.799	ug/L	99
49) Dibromochloromethane	8.813	129	86313	52.642	ug/L	98
50) 1,2-Dibromoethane	8.928	107	87265	51.551	ug/L	98
51) Chlorobenzene	9.449	112	209442	50.783	ug/L	99
52) Ethylbenzene	9.575	91	367028	53.497	ug/L	100
53) m,p-Xylene	9.697	106	142899	53.408	ug/L	100
54) o-xylene	10.105	106	137494	52.959	ug/L	97
55) Styrene	10.118	104	240807	54.327	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.787	83	134455	50.228	ug/L	99
59) Bromoform	10.295	173	64024	53.093	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	114051	50.614	ug/L	99
61) Isopropylbenzene	10.488	105	366658	54.822	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	315139	56.530	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	315240	56.521	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	166617	52.445	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	168286	51.254	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	166351	51.996	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	31155	51.900	ug/L	100
69) 1,3,5-Trichlorobenzene	13.221	180	122487	52.913	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	107200	52.186	ug/L	100
71) Naphthalene	14.089	128	398899	55.804	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	112679	53.791	ug/L	99

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

