

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
 Data File : VU046042.D
 Acq On : 02 Dec 2021 09:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050117

Quant Time: Dec 03 05:05:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 02:43:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	182746	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	181025	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	94371	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	73574	48.874	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 97.740%			
7) Chloroethane-d5	1.919	69	58035	50.212	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.420%			
11) 1,1-Dichloroethene-d2	2.575	63	133087	49.248	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.500%			
21) 2-Butanone-d5	4.642	46	124766	104.259	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.260%			
24) Chloroform-d	5.070	84	134794	53.620	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.240%			
26) 1,2-Dichloroethane-d4	5.706	65	87978	52.147	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.300%			
32) Benzene-d6	5.732	84	279704	53.909	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.820%			
36) 1,2-Dichloropropane-d6	6.694	67	86928	54.060	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 108.120%			
41) Toluene-d8	7.903	98	254520	53.877	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.760%			
43) trans-1,3-Dichloroprop...	8.182	79	42354	54.563	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 109.120%			
47) 2-Hexanone-d5	8.636	63	83009	108.877	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 108.880%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	125554	51.486	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.980%			
66) 1,2-Dichlorobenzene-d4	12.195	152	97206	53.486	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	103117	51.864	ug/L	100
3) Chloromethane	1.520	50	89990	50.603	ug/L	100
5) Vinyl chloride	1.607	62	93752	52.284	ug/L	99
6) Bromomethane	1.861	94	54154	53.285	ug/L	98
8) Chloroethane	1.938	64	54249	52.252	ug/L	100
9) Trichlorofluoromethane	2.144	101	123511	52.760	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	71202	53.546	ug/L	99
12) 1,1-Dichloroethene	2.584	96	65498	51.835	ug/L	97
13) Acetone	2.662	43	132423	88.541	ug/L	97
14) Carbon disulfide	2.800	76	201755	51.464	ug/L	100
15) Methyl Acetate	2.961	43	84075	48.222	ug/L	97
16) Methylene chloride	3.051	84	76282	50.741	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	71406	53.399	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	223646	54.269	ug/L	99
19) 1,1-Dichloroethane	3.877	63	132126	54.343	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	78036	53.783	ug/L	99
22) 2-Butanone	4.723	43	154763	95.057	ug/L	98
23) Bromochloromethane	4.980	128	40959	55.893	ug/L	93
25) Chloroform	5.092	83	143282	53.040	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	106113	52.935	ug/L	100
29) Cyclohexane	5.395	56	117167	55.584	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	121493	54.675	ug/L	99
31) Carbon tetrachloride	5.530	117	102510	54.340	ug/L	98
33) Benzene	5.780	78	300926	54.924	ug/L	100
34) Trichloroethene	6.546	95	80082	55.482	ug/L	99
35) Methylcyclohexane	6.768	83	122398	54.690	ug/L	98
37) 1,2-Dichloropropane	6.793	63	77633	54.090	ug/L	99
38) Bromodichloromethane	7.108	83	103677	54.347	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	124186	56.877	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	224710	106.562	ug/L	99
42) Toluene	7.973	91	325175	55.311	ug/L	97
44) trans-1,3-Dichloropropene	8.214	75	118091	55.067	ug/L	96
45) 1,1,2-Trichloroethane	8.404	97	77290	53.677	ug/L	98
46) Tetrachloroethene	8.555	164	58199	54.868	ug/L	98
48) 2-Hexanone	8.687	43	196382	104.133	ug/L	97
49) Dibromochloromethane	8.812	129	83669	55.334	ug/L	98
50) 1,2-Dibromoethane	8.925	107	83390	53.417	ug/L	98
51) Chlorobenzene	9.449	112	201039	52.857	ug/L	100
52) Ethylbenzene	9.574	91	348582	55.093	ug/L	99
53) m,p-Xylene	9.697	106	137842	55.863	ug/L	99
54) o-xylene	10.105	106	132316	55.263	ug/L	97
55) Styrene	10.118	104	230878	56.481	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	120843	48.951	ug/L	97
59) Bromoform	10.295	173	59661	53.891	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	106575	51.518	ug/L	99
61) Isopropylbenzene	10.488	105	348694	56.789	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	299454	58.511	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	300001	58.589	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	157872	54.128	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	157237	52.163	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	156689	53.347	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	28369	51.477	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	115102	54.161	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	101168	53.645	ug/L	99
71) Naphthalene	14.089	128	379361	57.807	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	109024	56.692	ug/L	98

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

