

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046302.D
 Acq On : 13 Dec 2021 09:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050138

Quant Time: Dec 13 10:14:16 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	6.253	114	147005	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	154011	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	87980	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	76473	63.151	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 126.300%			
7) Chloroethane-d5	1.919	69	55171	59.339	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 118.680%			
11) 1,1-Dichloroethene-d2	2.575	63	126077	57.996	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 116.000%			
21) 2-Butanone-d5	4.652	46	101840	105.792	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 105.790%			
24) Chloroform-d	5.070	84	116701	57.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 115.420%			
26) 1,2-Dichloroethane-d4	5.707	65	79383	58.493	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 116.980%			
32) Benzene-d6	5.732	84	243950	55.265	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 110.520%			
36) 1,2-Dichloropropane-d6	6.697	67	73915	54.030	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 108.060%			
41) Toluene-d8	7.903	98	224493	55.856	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 111.720%			
43) trans-1,3-Dichloroprop...	8.182	79	35351	53.530	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 107.060%			
47) 2-Hexanone-d5	8.639	63	70645	108.912	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 108.910%			
56) 1,1,2,2-Tetrachloroeth...	10.761	84	117638	56.701	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 113.400%			
66) 1,2-Dichlorobenzene-d4	12.195	152	86001	50.758	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	70214	43.901	ug/L	99
3) Chloromethane	1.523	50	60260	42.124	ug/L	99
5) Vinyl chloride	1.607	62	66607	46.177	ug/L	99
6) Bromomethane	1.864	94	39482	48.293	ug/L	99
8) Chloroethane	1.941	64	41388	49.557	ug/L	98
9) Trichlorofluoromethane	2.147	101	99426	52.797	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	57977	54.201	ug/L	100
12) 1,1-Dichloroethene	2.588	96	51460	50.627	ug/L	98
13) Acetone	2.668	43	111690	92.835	ug/L	95
14) Carbon disulfide	2.800	76	125358	39.751	ug/L	99
15) Methyl Acetate	2.967	43	70132	50.005	ug/L	99
16) Methylene chloride	3.054	84	62243	51.469	ug/L	96
17) trans-1,2-Dichloroethene	3.363	96	53049	49.317	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	172150	51.930	ug/L	98
19) 1,1-Dichloroethane	3.877	63	107871	55.154	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	62380	53.445	ug/L	97
22) 2-Butanone	4.726	43	129860	99.153	ug/L	100
23) Bromochloromethane	4.980	128	32183	54.595	ug/L	98
25) Chloroform	5.096	83	125529	57.766	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	91906	56.995	ug/L	97
29) Cyclohexane	5.398	56	78190	43.600	ug/L	99
30) 1,1,1-Trichloroethane	5.324	97	93902	49.671	ug/L	96
31) Carbon tetrachloride	5.530	117	85758	53.434	ug/L	99
33) Benzene	5.780	78	239504	51.381	ug/L	100
34) Trichloroethene	6.546	95	61182	49.823	ug/L	98
35) Methylcyclohexane	6.768	83	84261	44.253	ug/L	98
37) 1,2-Dichloropropane	6.797	63	64417	52.755	ug/L	100
38) Bromodichloromethane	7.112	83	94293	58.098	ug/L	100
39) cis-1,3-Dichloropropene	7.613	75	93470	50.318	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	191941	106.988	ug/L	100
42) Toluene	7.973	91	259404	51.863	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	94187	51.624	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	67257	54.902	ug/L	97
46) Tetrachloroethene	8.559	164	44643	49.470	ug/L	99
48) 2-Hexanone	8.690	43	166247	103.616	ug/L	99
49) Dibromochloromethane	8.813	129	74501	57.913	ug/L	97
50) 1,2-Dibromoethane	8.928	107	67853	51.088	ug/L	100
51) Chlorobenzene	9.449	112	164202	50.744	ug/L	98
52) Ethylbenzene	9.575	91	279442	51.913	ug/L	99
53) m,p-Xylene	9.697	106	110177	52.484	ug/L	100
54) o-xylene	10.105	106	106214	52.143	ug/L	99
55) Styrene	10.118	104	199452	57.351	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.787	83	120884	57.556	ug/L	99
59) Bromoform	10.295	173	57283	55.501	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	99766	51.730	ug/L	98
61) Isopropylbenzene	10.488	105	286845	50.110	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	245223	51.395	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	252620	52.920	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	139810	51.417	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	142609	50.747	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	141842	51.800	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	30814	59.975	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	101918	51.441	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	89044	50.646	ug/L	100
71) Naphthalene	14.089	128	334425	54.662	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	96273	53.698	ug/L	99

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

