

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091322\
 Data File : VU050707.D
 Acq On : 13 Sep 2022 15:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050198

Quant Time: Sep 14 02:00:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 10 01:20:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	408360	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	396590	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	191981	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	192829	55.208	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 110.420%		
7) Chloroethane-d5	1.896	69	136273	57.696	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 115.400%		
11) 1,1-Dichloroethene-d2	2.562	63	319997	51.845	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 103.680%		
21) 2-Butanone-d5	4.620	46	261325	102.264	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 102.260%		
24) Chloroform-d	5.060	84	337444	50.976	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 101.960%		
26) 1,2-Dichloroethane-d4	5.700	65	200998	49.688	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 99.380%		
32) Benzene-d6	5.726	84	687093	52.425	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 104.860%		
36) 1,2-Dichloropropane-d6	6.690	67	224785	52.240	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 104.480%		
41) Toluene-d8	7.899	98	616943	55.046	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 110.100%		
43) trans-1,3-Dichloroprop...	8.179	79	97292	54.646	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 109.300%		
47) 2-Hexanone-d5	8.632	63	142143	131.327	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 131.330%#		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	326025	50.068	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 100.140%		
66) 1,2-Dichlorobenzene-d4	12.195	152	201158	44.760	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 89.520%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	184287	46.984	ug/L	99
3) Chloromethane	1.517	50	215584	50.868	ug/L	98
5) Vinyl chloride	1.600	62	197917	49.566	ug/L	97
6) Bromomethane	1.835	94	87550	43.476	ug/L	97
8) Chloroethane	1.919	64	98960	46.661	ug/L	99
9) Trichlorofluoromethane	2.128	101	227981	46.863	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	158090	49.538	ug/L	99
12) 1,1-Dichloroethene	2.571	96	148330	47.836	ug/L	91
13) Acetone	2.623	43	233866	121.322	ug/L	100
14) Carbon disulfide	2.787	76	469631	51.075	ug/L	99
15) Methyl Acetate	2.944	43	195792	48.026	ug/L	99
16) Methylene chloride	3.041	84	187598	46.099	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	153735	46.754	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	469460	46.048	ug/L	99
19) 1,1-Dichloroethane	3.864	63	314751	49.615	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	174415	47.012	ug/L	99
22) 2-Butanone	4.700	43	309512	102.659	ug/L	97
23) Bromochloromethane	4.970	128	91031	47.484	ug/L	95
25) Chloroform	5.086	83	319259	49.396	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	239688	50.036	ug/L	98
29) Cyclohexane	5.388	56	265930	50.069	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	252616	47.292	ug/L	98
31) Carbon tetrachloride	5.523	117	215456	49.231	ug/L	99
33) Benzene	5.771	78	731714	50.697	ug/L	100
34) Trichloroethene	6.542	95	165646	49.255	ug/L	99
35) Methylcyclohexane	6.764	83	273320	51.121	ug/L	98
37) 1,2-Dichloropropane	6.790	63	198266	52.006	ug/L	100
38) Bromodichloromethane	7.105	83	236449	52.725	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	266550	51.653	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	531482	102.302	ug/L	99
42) Toluene	7.970	91	757724	51.683	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	253452	52.348	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	182825	49.921	ug/L	98
46) Tetrachloroethene	8.552	164	122091	49.705	ug/L	100
48) 2-Hexanone	8.684	43	453225	93.477	ug/L	98
49) Dibromochloromethane	8.809	129	184193	52.731	ug/L	99
50) 1,2-Dibromoethane	8.925	107	186319	50.026	ug/L	96
51) Chlorobenzene	9.446	112	441028	48.470	ug/L	99
52) Ethylbenzene	9.571	91	739642	51.069	ug/L	100
53) m,p-Xylene	9.693	106	285535	51.459	ug/L	97
54) o-Xylene	10.102	106	280308	50.741	ug/L	98
55) Styrene	10.115	104	485057	53.365	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	330112	50.604	ug/L	99
59) Bromoform	10.291	173	135270	47.225	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	247672	43.969	ug/L	99
61) Isopropylbenzene	10.484	105	710918	46.782	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	591432	45.525	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	570885	45.761	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	317679	47.511	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	310874	47.036	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	324886	45.622	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	65104	43.767	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	218563	45.042	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	166242	40.347	ug/L	100
71) Naphthalene	14.089	128	546237	37.391	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	190203	42.628	ug/L	100

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

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