

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046318.D
 Acq On : 13 Dec 2021 16:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050139

Quant Time: Dec 14 03:18:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 13 13:51:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	141311	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	148006	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	84743	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	68542	58.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 117.760%	
7) Chloroethane-d5	1.919	69	48993	54.818	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 109.640%	
11) 1,1-Dichloroethene-d2	2.575	63	110056	52.667	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 105.340%	
21) 2-Butanone-d5	4.639	46	92924	100.419	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	= 100.420%	
24) Chloroform-d	5.067	84	107651	55.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 110.760%	
26) 1,2-Dichloroethane-d4	5.703	65	74114	56.811	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 113.620%	
32) Benzene-d6	5.732	84	229882	54.190	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 108.380%	
36) 1,2-Dichloropropane-d6	6.694	67	69312	52.721	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 105.440%	
41) Toluene-d8	7.899	98	214111	55.434	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 110.860%	
43) trans-1,3-Dichloroprop...	8.182	79	34544	54.430	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 108.860%	
47) 2-Hexanone-d5	8.636	63	68039	109.151	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 109.150%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	109290	54.815	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 109.620%	
66) 1,2-Dichlorobenzene-d4	12.195	152	82194	50.364	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 100.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	65679	42.720	ug/L	99
3) Chloromethane	1.523	50	57793	42.027	ug/L	99
5) Vinyl chloride	1.607	62	61942	44.673	ug/L	99
6) Bromomethane	1.861	94	38338	48.783	ug/L	96
8) Chloroethane	1.938	64	36500	45.465	ug/L	99
9) Trichlorofluoromethane	2.144	101	92149	50.905	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	53804	52.327	ug/L	99
12) 1,1-Dichloroethene	2.585	96	46853	47.952	ug/L	95
13) Acetone	2.655	43	79524	68.763	ug/L	95
14) Carbon disulfide	2.800	76	114796	37.869	ug/L	98
15) Methyl Acetate	2.958	43	65635	48.684	ug/L	98
16) Methylene chloride	3.051	84	58894	50.662	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	50396	48.738	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	166749	52.327	ug/L	100
19) 1,1-Dichloroethane	3.874	63	103593	55.101	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	60733	54.131	ug/L	96
22) 2-Butanone	4.719	43	109155	86.702	ug/L	96
23) Bromochloromethane	4.977	128	31662	55.875	ug/L	92
25) Chloroform	5.092	83	122255	58.526	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	86077	55.531	ug/L	100
29) Cyclohexane	5.395	56	73107	42.419	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	95258	52.432	ug/L	98
31) Carbon tetrachloride	5.527	117	84168	54.571	ug/L	98
33) Benzene	5.777	78	229289	51.185	ug/L	100
34) Trichloroethene	6.546	95	58803	49.828	ug/L	96
35) Methylcyclohexane	6.768	83	76755	41.947	ug/L	95
37) 1,2-Dichloropropane	6.793	63	63923	54.474	ug/L	100
38) Bromodichloromethane	7.108	83	90185	57.822	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	95457	53.472	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	187751	108.898	ug/L	100
42) Toluene	7.970	91	251533	52.330	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	93639	53.406	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	65417	55.566	ug/L	98
46) Tetrachloroethene	8.555	164	42721	49.261	ug/L	98
48) 2-Hexanone	8.687	43	152404	98.842	ug/L	99
49) Dibromochloromethane	8.813	129	73338	59.322	ug/L	98
50) 1,2-Dibromoethane	8.925	107	68305	53.515	ug/L	99
51) Chlorobenzene	9.449	112	161432	51.912	ug/L	99
52) Ethylbenzene	9.571	91	270494	52.289	ug/L	99
53) m,p-Xylene	9.697	106	105829	52.458	ug/L	99
54) o-xylene	10.102	106	102810	52.520	ug/L	100
55) Styrene	10.115	104	189928	56.829	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.784	83	115152	57.052	ug/L	100
59) Bromoform	10.292	173	57161	57.499	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	95038	51.161	ug/L	98
61) Isopropylbenzene	10.485	105	275329	49.935	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	232841	50.664	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	241533	52.530	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	131740	50.300	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	135335	49.998	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	133829	50.741	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	29572	59.756	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	95314	49.945	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	85919	50.736	ug/L	98
71) Naphthalene	14.086	128	322898	54.794	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	92814	53.746	ug/L	99

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

