

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046344.D
 Acq On : 14 Dec 2021 02:04
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050140

Quant Time: Dec 14 05:56:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	144381	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	151397	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	86966	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	66750	56.124	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 112.240%	
7) Chloroethane-d5	1.919	69	49499	54.206	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 108.420%	
11) 1,1-Dichloroethene-d2	2.575	63	107803	50.491	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 100.980%	
21) 2-Butanone-d5	4.642	46	93442	98.832	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 98.830%	
24) Chloroform-d	5.067	84	108920	54.840	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 109.680%	
26) 1,2-Dichloroethane-d4	5.707	65	72779	54.601	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 109.200%	
32) Benzene-d6	5.732	84	220458	50.805	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.600%	
36) 1,2-Dichloropropane-d6	6.694	67	67665	50.315	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 100.640%	
41) Toluene-d8	7.899	98	206357	52.230	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 104.460%	
43) trans-1,3-Dichloroprop...	8.182	79	32947	50.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.500%	
47) 2-Hexanone-d5	8.636	63	67293	105.536	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 105.540%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	106662	52.299	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 104.600%	
66) 1,2-Dichlorobenzene-d4	12.195	152	78950	47.140	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 94.280%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	64700	41.188	ug/L	100
3) Chloromethane	1.523	50	57218	40.724	ug/L	100
5) Vinyl chloride	1.607	62	60470	42.684	ug/L	98
6) Bromomethane	1.864	94	38228	47.609	ug/L	95
8) Chloroethane	1.941	64	37574	45.808	ug/L	100
9) Trichlorofluoromethane	2.144	101	91853	49.662	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	52417	49.894	ug/L	100
12) 1,1-Dichloroethene	2.585	96	45535	45.612	ug/L	89
13) Acetone	2.658	43	69603	58.905	ug/L	98
14) Carbon disulfide	2.800	76	115000	37.129	ug/L	100
15) Methyl Acetate	2.961	43	68054	49.405	ug/L	99
16) Methylene chloride	3.051	84	58052	48.875	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	49548	46.899	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	167381	51.409	ug/L	99
19) 1,1-Dichloroethane	3.874	63	101140	52.652	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	59530	51.930	ug/L	99
22) 2-Butanone	4.719	43	106225	82.581	ug/L	98
23) Bromochloromethane	4.980	128	31498	54.404	ug/L	93
25) Chloroform	5.092	83	117531	55.069	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	86635	54.702	ug/L	99
29) Cyclohexane	5.395	56	70368	39.916	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	94963	51.099	ug/L	98
31) Carbon tetrachloride	5.530	117	84489	53.552	ug/L	99
33) Benzene	5.777	78	226472	49.424	ug/L	100
34) Trichloroethene	6.543	95	58400	48.378	ug/L	97
35) Methylcyclohexane	6.768	83	76235	40.729	ug/L	98
37) 1,2-Dichloropropane	6.793	63	61409	51.160	ug/L	99
38) Bromodichloromethane	7.108	83	89060	55.821	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	91110	49.894	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	186570	105.790	ug/L	99
42) Toluene	7.970	91	248124	50.464	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	90738	50.593	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	64390	53.469	ug/L	98
46) Tetrachloroethene	8.555	164	43710	49.273	ug/L	97
48) 2-Hexanone	8.687	43	151575	96.102	ug/L	99
49) Dibromochloromethane	8.813	129	74067	58.569	ug/L	97
50) 1,2-Dibromoethane	8.925	107	67816	51.942	ug/L	99
51) Chlorobenzene	9.449	112	160162	50.350	ug/L	99
52) Ethylbenzene	9.571	91	264786	50.039	ug/L	99
53) m,p-Xylene	9.694	106	104334	50.558	ug/L	99
54) o-xylene	10.102	106	101896	50.887	ug/L	99
55) Styrene	10.115	104	189296	55.371	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	115840	56.107	ug/L	98
59) Bromoform	10.292	173	57676	56.534	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	95903	50.307	ug/L	98
61) Isopropylbenzene	10.485	105	271244	47.937	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	230250	48.820	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	235166	49.838	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	130657	48.611	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	135954	48.943	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	134080	49.537	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	30924	60.891	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	93926	47.960	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	83797	48.218	ug/L	100
71) Naphthalene	14.086	128	318767	52.710	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	91534	51.650	ug/L	99

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

