

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046234.D
 Acq On : 09 Dec 2021 20:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050132

Quant Time: Dec 10 03:46:33 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	6.250	114	179953	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	188838	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	105553	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	88841	59.932	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 119.860%	
7) Chloroethane-d5	1.919	69	63189	55.519	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 111.040%	
11) 1,1-Dichloroethene-d2	2.575	63	147094	55.275	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 110.560%	
21) 2-Butanone-d5	4.639	46	127414	108.124	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 108.120%	
24) Chloroform-d	5.067	84	142324	57.494	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 114.980%	
26) 1,2-Dichloroethane-d4	5.706	65	91601	55.138	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 110.280%	
32) Benzene-d6	5.732	84	297758	55.014	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 110.020%	
36) 1,2-Dichloropropane-d6	6.694	67	90724	54.086	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 108.180%	
41) Toluene-d8	7.899	98	277559	56.323	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 112.640%	
43) trans-1,3-Dichloroprop...	8.179	79	46628	57.584	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 115.160%	
47) 2-Hexanone-d5	8.632	63	91780	115.400	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 115.400%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	137643	54.108	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 108.220%	
66) 1,2-Dichlorobenzene-d4	12.192	152	108337	53.295	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 106.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	89655	45.793	ug/L	100
3) Chloromethane	1.523	50	80837	46.162	ug/L	100
5) Vinyl chloride	1.607	62	85585	48.471	ug/L	98
6) Bromomethane	1.864	94	51254	51.214	ug/L	97
8) Chloroethane	1.938	64	49681	48.595	ug/L	99
9) Trichlorofluoromethane	2.144	101	115856	50.258	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	68787	52.533	ug/L	97
12) 1,1-Dichloroethene	2.588	96	66397	53.362	ug/L	91
13) Acetone	2.655	43	88544	60.122	ug/L	96
14) Carbon disulfide	2.800	76	183979	47.658	ug/L	99
15) Methyl Acetate	2.957	43	87524	50.980	ug/L	98
16) Methylene chloride	3.051	84	75834	51.226	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	71372	54.202	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	231178	56.968	ug/L	100
19) 1,1-Dichloroethane	3.877	63	131154	54.781	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	82105	57.465	ug/L	96
22) 2-Butanone	4.719	43	132022	82.347	ug/L	95
23) Bromochloromethane	4.980	128	41699	57.786	ug/L	90
25) Chloroform	5.092	83	146842	55.202	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	107990	54.708	ug/L	100
29) Cyclohexane	5.395	56	109518	49.806	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	124828	53.852	ug/L	98
31) Carbon tetrachloride	5.530	117	107562	54.659	ug/L	99
33) Benzene	5.777	78	296908	51.949	ug/L	100
34) Trichloroethene	6.546	95	79424	52.750	ug/L	99
35) Methylcyclohexane	6.767	83	114005	48.832	ug/L	99
37) 1,2-Dichloropropane	6.793	63	76592	51.157	ug/L	99
38) Bromodichloromethane	7.108	83	111550	56.055	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	126450	55.517	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	235930	107.254	ug/L	98
42) Toluene	7.970	91	329147	53.670	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	123111	55.033	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	80866	53.836	ug/L	98
46) Tetrachloroethene	8.555	164	59648	53.907	ug/L	97
48) 2-Hexanone	8.684	43	185747	94.418	ug/L	98
49) Dibromochloromethane	8.812	129	93020	58.973	ug/L	96
50) 1,2-Dibromoethane	8.925	107	87971	54.020	ug/L	98
51) Chlorobenzene	9.449	112	214354	54.026	ug/L	97
52) Ethylbenzene	9.571	91	361427	54.760	ug/L	98
53) m,p-Xylene	9.693	106	141430	54.946	ug/L	99
54) o-xylene	10.102	106	137635	55.107	ug/L	99
55) Styrene	10.115	104	244212	57.271	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	138792	53.895	ug/L	99
59) Bromoform	10.291	173	70206	56.698	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	115897	50.089	ug/L	98
61) Isopropylbenzene	10.484	105	364536	53.080	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	308617	53.913	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	311124	54.325	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	172546	52.892	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	175533	52.063	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	172427	52.486	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	35048	56.859	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	122439	51.510	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	115105	54.570	ug/L	99
71) Naphthalene	14.086	128	437380	59.588	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	117483	54.619	ug/L	99

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

