

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046101.D
 Acq On : 04 Dec 2021 19:35
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050122

Quant Time: Dec 05 08:17:01 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	263827	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	257388	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	136949	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	83123	38.248	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.500%
7) Chloroethane-d5	1.919	69	61664	36.955	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.920%
11) 1,1-Dichloroethene-d2	2.575	63	164166	42.079	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.160%
21) 2-Butanone-d5	4.636	46	132220	76.532	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.530%
24) Chloroform-d	5.067	84	154561	42.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.180%
26) 1,2-Dichloroethane-d4	5.703	65	97188	39.903	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.800%
32) Benzene-d6	5.729	84	324967	44.050	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.100%
36) 1,2-Dichloropropane-d6	6.694	67	97273	42.546	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.100%
41) Toluene-d8	7.899	98	306247	45.593	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.180%
43) trans-1,3-Dichloroprop...	8.179	79	49950	45.258	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.520%
47) 2-Hexanone-d5	8.632	63	101123	93.284	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.280%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	142053	40.969	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.940%
66) 1,2-Dichlorobenzene-d4	12.195	152	117555	44.572	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	132342	46.106	ug/L	99
3) Chloromethane	1.523	50	111433	43.404	ug/L	100
5) Vinyl chloride	1.607	62	120133	46.407	ug/L	100
6) Bromomethane	1.861	94	68958	46.999	ug/L	98
8) Chloroethane	1.938	64	70495	47.033	ug/L	98
9) Trichlorofluoromethane	2.144	101	162131	47.972	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	101965	53.115	ug/L	95
12) 1,1-Dichloroethene	2.584	96	97028	53.189	ug/L	86
13) Acetone	2.655	43	130801	60.579	ug/L	96
14) Carbon disulfide	2.800	76	279332	49.355	ug/L	100
15) Methyl Acetate	2.957	43	120788	47.988	ug/L	96
16) Methylene chloride	3.051	84	110983	51.135	ug/L	95
17) trans-1,2-Dichloroethene	3.359	96	104452	54.106	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	341006	57.317	ug/L	99
19) 1,1-Dichloroethane	3.874	63	184778	52.642	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	117872	56.271	ug/L	96
22) 2-Butanone	4.716	43	185015	78.714	ug/L	97
23) Bromochloromethane	4.980	128	60544	57.228	ug/L	87
25) Chloroform	5.092	83	197907	50.746	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	148156	51.194	ug/L	99
29) Cyclohexane	5.395	56	166459	55.540	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	173465	54.904	ug/L	98
31) Carbon tetrachloride	5.530	117	147549	55.010	ug/L	98
33) Benzene	5.777	78	427728	54.906	ug/L	100
34) Trichloroethene	6.546	95	116751	56.889	ug/L	100
35) Methylcyclohexane	6.768	83	173914	54.653	ug/L	97
37) 1,2-Dichloropropane	6.793	63	110870	54.330	ug/L	100
38) Bromodichloromethane	7.108	83	144705	53.349	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	177751	57.256	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	317425	105.870	ug/L	97
42) Toluene	7.970	91	477431	57.116	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	172786	56.668	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	113017	55.202	ug/L	98
46) Tetrachloroethene	8.555	164	89800	59.543	ug/L	95
48) 2-Hexanone	8.684	43	248067	92.513	ug/L	95
49) Dibromochloromethane	8.809	129	121093	56.324	ug/L	97
50) 1,2-Dibromoethane	8.925	107	125148	56.382	ug/L	98
51) Chlorobenzene	9.449	112	302692	55.972	ug/L	98
52) Ethylbenzene	9.571	91	518209	57.604	ug/L	99
53) m,p-Xylene	9.693	106	204577	58.311	ug/L	98
54) o-xylene	10.102	106	197508	58.018	ug/L	97
55) Styrene	10.115	104	341309	58.724	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	181782	51.789	ug/L	99
59) Bromoform	10.292	173	90302	56.208	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	152789	50.895	ug/L	99
61) Isopropylbenzene	10.484	105	524314	58.843	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	447744	60.286	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	454995	61.233	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	248046	58.604	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	249748	57.094	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	242597	56.916	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	44497	55.639	ug/L	89
69) 1,3,5-Trichlorobenzene	13.221	180	179011	58.045	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	169462	61.921	ug/L	99
71) Naphthalene	14.086	128	633354	66.505	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	169572	60.762	ug/L	100

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

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