

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021122\
 Data File : VU047123.D
 Acq On : 11 Feb 2022 18:18
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050167

Quant Time: Feb 12 01:30:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 12 01:25:35 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	431655	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	408129	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	218838	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	151014	38.521	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.040%
7) Chloroethane-d5	1.919	69	128093	44.077	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.160%
11) 1,1-Dichloroethene-d2	2.575	63	271357	41.769	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.540%
21) 2-Butanone-d5	4.629	46	360114	118.442	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.440%
24) Chloroform-d	5.066	84	292833	46.012	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.020%
26) 1,2-Dichloroethane-d4	5.703	65	190609	46.662	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.320%
32) Benzene-d6	5.729	84	590531	43.522	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.040%
36) 1,2-Dichloropropane-d6	6.693	67	200257	45.511	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.020%
41) Toluene-d8	7.899	98	562049	43.506	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.020%
43) trans-1,3-Dichloroprop...	8.179	79	103720	44.980	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.960%
47) 2-Hexanone-d5	8.632	63	270667	107.371	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.370%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	312364	48.685	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.360%
66) 1,2-Dichlorobenzene-d4	12.195	152	233567	45.002	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	194549	48.372	ug/L	99
3) Chloromethane	1.530	50	196570	49.390	ug/L	99
5) Vinyl chloride	1.610	62	198642	49.527	ug/L	99
6) Bromomethane	1.864	94	115406	49.467	ug/L	96
8) Chloroethane	1.941	64	120511	52.120	ug/L	96
9) Trichlorofluoromethane	2.144	101	227536	48.990	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	136890	47.849	ug/L	97
12) 1,1-Dichloroethene	2.587	96	133211	47.457	ug/L	95
13) Acetone	2.645	43	214225	96.722	ug/L	96
14) Carbon disulfide	2.800	76	420649	47.748	ug/L	99
15) Methyl Acetate	2.954	43	202398	54.303	ug/L	94
16) Methylene chloride	3.054	84	154599	49.773	ug/L	94
17) trans-1,2-Dichloroethene	3.359	96	142754	48.406	ug/L	92
18) Methyl tert-butyl Ether	3.366	73	481139	48.244	ug/L	95
19) 1,1-Dichloroethane	3.877	63	270198	48.785	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	161732	49.580	ug/L	94
22) 2-Butanone	4.710	43	327978	110.365	ug/L	95
23) Bromochloromethane	4.980	128	82181	47.505	ug/L	96
25) Chloroform	5.092	83	267820	49.365	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	217017	50.342	ug/L	99
29) Cyclohexane	5.391	56	260468	48.695	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	235448	48.164	ug/L	98
31) Carbon tetrachloride	5.530	117	203832	48.091	ug/L	100
33) Benzene	5.777	78	619718	48.683	ug/L	100
34) Trichloroethene	6.546	95	157550	47.647	ug/L	99
35) Methylcyclohexane	6.767	83	267871	48.281	ug/L	95
37) 1,2-Dichloropropane	6.793	63	166529	48.839	ug/L	98
38) Bromodichloromethane	7.108	83	212550	48.907	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	269245	48.585	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	577701	106.989	ug/L	93
42) Toluene	7.970	91	679700	48.613	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	261172	49.049	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	154765	48.191	ug/L	96
46) Tetrachloroethene	8.555	164	125817	47.300	ug/L	96
48) 2-Hexanone	8.684	43	489297	109.574	ug/L #	95
49) Dibromochloromethane	8.809	129	174273	46.903	ug/L	99
50) 1,2-Dibromoethane	8.925	107	173774	48.712	ug/L	100
51) Chlorobenzene	9.449	112	432734	48.269	ug/L	99
52) Ethylbenzene	9.571	91	741357	48.448	ug/L	100
53) m,p-Xylene	9.697	106	290154	47.792	ug/L	95
54) o-xylene	10.102	106	282368	47.237	ug/L	98
55) Styrene	10.115	104	488064	47.451	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	284363	50.226	ug/L	100
59) Bromoform	10.291	173	140095	47.155	ug/L	97
60) 1,2,3-Trichloropropane	10.822	75	236034	50.596	ug/L	96
61) Isopropylbenzene	10.484	105	742091	48.239	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	512343	46.992	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	628167	47.455	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	341102	47.520	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	342448	47.459	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	339924	47.586	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	78771	52.999	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	263251	47.423	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	248290	47.184	ug/L	99
71) Naphthalene	14.085	128	902877	48.465	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	250220	47.756	ug/L	98

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

