

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101121\
 Data File : VU045276.D
 Acq On : 11 Oct 2021 12:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050101

Quant Time: Oct 12 05:48:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 11 01:47:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	276647	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	274260	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	138970	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	132620	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.58%
7) Chloroethane-d5	1.890	69	108675	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.56%
11) 1,1-Dichloroethene-d2	2.565	63	230643	45.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.70%
21) 2-Butanone-d5	4.629	46	211942	88.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.52%
24) Chloroform-d	5.067	84	229467	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
26) 1,2-Dichloroethane-d4	5.707	65	153833	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
32) Benzene-d6	5.732	84	460095	48.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.70%
36) 1,2-Dichloropropane-d6	6.697	67	148699	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.84%
41) Toluene-d8	7.903	98	412425	50.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.44%
43) trans-1,3-Dichloroprop...	8.182	79	71686	51.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.86%
47) 2-Hexanone-d5	8.639	63	156055	90.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.75%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	233793	48.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.76%
66) 1,2-Dichlorobenzene-d4	12.198	152	154190	50.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.96%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	125805	47.49	ug/L	99
3) Chloromethane	1.520	50	139982	42.40	ug/L	99
5) Vinyl chloride	1.604	62	155267	48.00	ug/L	100
6) Bromomethane	1.829	94	56467	36.39	ug/L	100
8) Chloroethane	1.912	64	96411	47.49	ug/L	100
9) Trichlorofluoromethane	2.128	101	180532	48.76	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	114995	49.21	ug/L	98
12) 1,1-Dichloroethene	2.575	96	108090	50.45	ug/L	92
13) Acetone	2.633	43	230339	83.23	ug/L	98
14) Carbon disulfide	2.790	76	318632	46.43	ug/L	100
15) Methyl Acetate	2.951	43	153175	44.88	ug/L	96
16) Methylene chloride	3.047	84	135596	49.96	ug/L	94
17) trans-1,2-Dichloroethene	3.353	96	113883	50.46	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	410782	55.20	ug/L	98
19) 1,1-Dichloroethane	3.874	63	233320	49.70	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	131688	52.96	ug/L	94
22) 2-Butanone	4.707	43	267149	86.24	ug/L	98
23) Bromochloromethane	4.980	128	64059	50.81	ug/L	96
25) Chloroform	5.092	83	232556	49.83	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	194613	49.85	ug/L	100
29) Cyclohexane	5.391	56	209788	50.89	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	191082	50.33	ug/L	99
31) Carbon tetrachloride	5.526	117	147850	49.31	ug/L	99
33) Benzene	5.777	78	520547	51.17	ug/L	100
34) Trichloroethene	6.546	95	125458	51.35	ug/L	98
35) Methylcyclohexane	6.768	83	210456	51.45	ug/L	97
37) 1,2-Dichloropropane	6.797	63	137795	49.75	ug/L	100
38) Bromodichloromethane	7.112	83	175629	51.73	ug/L	99
39) cis-1,3-Dichloropropene	7.613	75	215123	54.29	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	456183	98.60	ug/L	97
42) Toluene	7.973	91	543871	52.62	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	208522	55.34	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	132640	52.85	ug/L	99
46) Tetrachloroethene	8.559	164	87906	50.34	ug/L	96
48) 2-Hexanone	8.690	43	384503	93.72	ug/L	97
49) Dibromochloromethane	8.816	129	128530	51.78	ug/L	100
50) 1,2-Dibromoethane	8.928	107	137100	52.17	ug/L	99
51) Chlorobenzene	9.452	112	337317	52.87	ug/L	100
52) Ethylbenzene	9.575	91	596916	54.67	ug/L	100
53) m,p-Xylene	9.700	106	231188	55.89	ug/L	98
54) o-xylene	10.105	106	230750	56.77	ug/L	100
55) Styrene	10.118	104	399419	57.14	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.787	83	246244	51.24	ug/L	100
59) Bromoform	10.295	173	94315	54.72	ug/L	100
60) 1,2,3-Trichloropropane	10.829	75	198893	51.75	ug/L	99
61) Isopropylbenzene	10.488	105	599081	58.90	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	514409	60.56	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	526313	60.51	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	259502	55.21	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	260107	53.94	ug/L	100
67) 1,2-Dichlorobenzene	12.218	146	262509	54.41	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	52860	47.85	ug/L	98
69) 1,3,5-Trichlorobenzene	13.224	180	177891	54.54	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	150402	55.49	ug/L	100
71) Naphthalene	14.089	128	551395	58.70	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	151321	54.56	ug/L	100

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

