

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051421\
 Data File : VU043740.D
 Acq On : 14 May 2021 08:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050139

Quant Time: May 14 08:42:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 14 04:42:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	473078	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.424	117	458015	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	243253	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	188317	48.08	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.16%		
7) Chloroethane-d5	1.909	69	135738	48.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.38%		
11) 1,1-Dichloroethene-d2	2.575	63	328626	49.28	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.56%		
21) 2-Butanone-d5	4.626	46	310987	101.50	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.50%		
24) Chloroform-d	5.070	84	327792	49.32	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.64%		
26) 1,2-Dichloroethane-d4	5.710	65	198537	48.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.36%		
32) Benzene-d6	5.736	84	673833	49.64	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.28%		
36) 1,2-Dichloropropane-d6	6.697	67	219339	49.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.08%		
41) Toluene-d8	7.906	98	618942	50.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.34%		
43) trans-1,3-Dichloroprop...	8.186	79	91454	47.24	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.48%		
47) 2-Hexanone-d5	8.639	63	210625	99.35	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.35%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	321948	48.05	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.10%		
66) 1,2-Dichlorobenzene-d4	12.198	152	236782	49.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.64%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	192596	48.37	ug/L	100
3) Chloromethane	1.524	50	227960	47.35	ug/L	100
5) Vinyl chloride	1.607	62	226258	48.34	ug/L	99
6) Bromomethane	1.848	94	126397	55.38	ug/L	98
8) Chloroethane	1.932	64	126600	47.78	ug/L	100
9) Trichlorofluoromethane	2.141	101	258883	48.93	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	166590	48.11	ug/L	99
12) 1,1-Dichloroethene	2.585	96	169509	49.64	ug/L	99
13) Acetone	2.626	43	214616	100.32	ug/L	100
14) Carbon disulfide	2.800	76	522338	48.44	ug/L	99
15) Methyl Acetate	2.951	43	243284	50.11	ug/L	99
16) Methylene chloride	3.051	84	224933	43.98	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	175210	49.59	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	535400	49.96	ug/L	99
19) 1,1-Dichloroethane	3.877	63	339265	49.12	ug/L	99
20) cis-1,2-Dichloroethene	4.675	96	194075	49.86	ug/L	98
22) 2-Butanone	4.707	43	355368	100.92	ug/L	99
23) Bromochloromethane	4.983	128	105114	49.76	ug/L	96
25) Chloroform	5.096	83	334091	49.39	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	254536	48.82	ug/L	100
29) Cyclohexane	5.398	56	308183	50.55	ug/L	99
30) 1,1,1-Trichloroethane	5.324	97	275586	49.92	ug/L	99
31) Carbon tetrachloride	5.533	117	227276	50.14	ug/L	99
33) Benzene	5.781	78	772317	49.87	ug/L	100
34) Trichloroethene	6.549	95	186567	49.54	ug/L	98
35) Methylcyclohexane	6.771	83	296740	49.84	ug/L	99
37) 1,2-Dichloropropane	6.800	63	208820	49.38	ug/L	100
38) Bromodichloromethane	7.112	83	244996	48.93	ug/L	98
39) cis-1,3-Dichloropropene	7.613	75	279067	48.32	ug/L	99
40) 4-Methyl-2-pentanone	7.797	43	644216	101.23	ug/L	100
42) Toluene	7.977	91	817897	50.54	ug/L	98
44) trans-1,3-Dichloropropene	8.218	75	258571	47.60	ug/L	99
45) 1,1,2-Trichloroethane	8.407	97	190089	48.80	ug/L	98
46) Tetrachloroethene	8.559	164	146539	49.46	ug/L	99
48) 2-Hexanone	8.690	43	519878	101.72	ug/L	98
49) Dibromochloromethane	8.816	129	197888	49.53	ug/L	100
50) 1,2-Dibromoethane	8.928	107	202590	50.06	ug/L	99
51) Chlorobenzene	9.452	112	488229	48.71	ug/L	100
52) Ethylbenzene	9.578	91	846401	50.67	ug/L	100
53) m,p-Xylene	9.700	106	325992	51.54	ug/L	100
54) o-xylene	10.108	106	320785	51.25	ug/L	100
55) Styrene	10.118	104	551226	52.23	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.790	83	341642	48.12	ug/L	99
59) Bromoform	10.298	173	153901	48.41	ug/L #	98
60) 1,2,3-Trichloropropane	10.829	75	276429	48.69	ug/L	100
61) Isopropylbenzene	10.491	105	819070	51.55	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	684188	51.85	ug/L	100
63) 1,2,4-Trimethylbenzene	11.475	105	695394	52.48	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	384859	49.81	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	384845	48.82	ug/L	99
67) 1,2-Dichlorobenzene	12.218	146	398889	49.56	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	74888	48.18	ug/L	94
69) 1,3,5-Trichlorobenzene	13.224	180	278920	48.70	ug/L	99
70) 1,2,4-trichlorobenzene	13.848	180	237234	48.49	ug/L	99
71) Naphthalene	14.092	128	845960	51.83	ug/L	100
72) 1,2,3-Trichlorobenzene	14.336	180	256991	49.90	ug/L	99

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

