

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021723\
 Data File : VU053124.D
 Acq On : 17 Feb 2023 12:55
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050157

Quant Time: Feb 17 13:34:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 17 11:12:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	218274	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	207836	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	102362	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	86159	42.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.940%
7) Chloroethane-d5	1.910	69	82258	48.471	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.940%
11) 1,1-Dichloroethene-d2	2.566	63	158016	45.944	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.880%
21) 2-Butanone-d5	4.624	46	124361	118.671	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.670%
24) Chloroform-d	5.058	84	189640	53.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.220%
26) 1,2-Dichloroethane-d4	5.698	65	126394	56.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.380%
32) Benzene-d6	5.724	84	370136	49.922	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.840%
36) 1,2-Dichloropropane-d6	6.685	67	128039	52.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.720%
41) Toluene-d8	7.894	98	337710	49.192	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.380%
43) trans-1,3-Dichloroprop...	8.177	79	61749	50.055	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.120%
47) 2-Hexanone-d5	8.630	63	93165	111.347	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.350%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	176120	54.632	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.260%
66) 1,2-Dichlorobenzene-d4	12.190	152	118486	52.068	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	100851	45.155	ug/L	99
3) Chloromethane	1.518	50	104291	47.904	ug/L	98
5) Vinyl chloride	1.605	62	103862	44.511	ug/L	100
6) Bromomethane	1.856	94	69260	46.693	ug/L	98
8) Chloroethane	1.933	64	68691	48.363	ug/L	98
9) Trichlorofluoromethane	2.135	101	134713	44.401	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	78391	46.214	ug/L	100
12) 1,1-Dichloroethene	2.576	96	72449	45.135	ug/L	90
13) Acetone	2.637	43	70937	107.002	ug/L	98
14) Carbon disulfide	2.791	76	230238	44.256	ug/L	99
15) Methyl Acetate	2.946	43	87024	60.908	ug/L	98
16) Methylene chloride	3.042	84	123000	66.660	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	80986	49.668	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	324432	59.210	ug/L	100
19) 1,1-Dichloroethane	3.865	63	166422	52.027	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	99503	52.401	ug/L	99
22) 2-Butanone	4.704	43	116522	115.672	ug/L	97
23) Bromochloromethane	4.971	128	51350	57.609	ug/L	94
25) Chloroform	5.084	83	173190	53.130	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	146380	57.858	ug/L	100
29) Cyclohexane	5.383	56	138766	45.182	ug/L	99
30) 1,1,1-Trichloroethane	5.312	97	137726	47.426	ug/L	100
31) Carbon tetrachloride	5.521	117	114537	46.416	ug/L	99
33) Benzene	5.772	78	367196	50.226	ug/L	100
34) Trichloroethene	6.537	95	91402	48.181	ug/L	98
35) Methylcyclohexane	6.759	83	146693	44.645	ug/L	100
37) 1,2-Dichloropropane	6.788	63	106533	52.843	ug/L	100
38) Bromodichloromethane	7.103	83	138870	54.763	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	165450	49.977	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	239134	111.385	ug/L	100
42) Toluene	7.965	91	385871	49.619	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	155626	50.751	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	102727	56.188	ug/L	99
46) Tetrachloroethene	8.550	164	58395	46.468	ug/L	97
48) 2-Hexanone	8.682	43	182949	107.994	ug/L	99
49) Dibromochloromethane	8.807	129	105683	55.965	ug/L	97
50) 1,2-Dibromoethane	8.920	107	108401	55.819	ug/L	98
51) Chlorobenzene	9.444	112	240930	50.011	ug/L	99
52) Ethylbenzene	9.566	91	421207	48.566	ug/L	99
53) m,p-Xylene	9.691	106	160506	49.216	ug/L	99
54) o-xylene	10.096	106	161425	49.926	ug/L	98
55) Styrene	10.112	104	271422	50.612	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	164645	55.518	ug/L	100
59) Bromoform	10.286	173	72679	57.682	ug/L	99
60) 1,2,3-Trichloropropane	10.820	75	122196	57.196	ug/L	100
61) Isopropylbenzene	10.482	105	413130	50.554	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	344184	49.743	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	336487	50.242	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	173873	51.956	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	174001	51.250	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	179114	52.956	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.993	75	35665	56.630	ug/L	92
69) 1,3,5-Trichlorobenzene	13.215	180	111519	49.157	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	104499	48.671	ug/L	99
71) Naphthalene	14.083	128	387693	47.031	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	105859	49.103	ug/L	99

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

