

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
 Data File : VU053592.D
 Acq On : 07 Apr 2023 10:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050189

Quant Time: Apr 08 00:01:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	248815	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	231023	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	123288	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99895	51.561	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 103.120%	
7) Chloroethane-d5	1.909	69	79419	53.166	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 106.340%	
11) 1,1-Dichloroethene-d2	2.565	63	151204	50.417	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 100.840%	
21) 2-Butanone-d5	4.613	46	100814	114.929	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 114.930%	
24) Chloroform-d	5.057	84	164402	51.309	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.620%	
26) 1,2-Dichloroethane-d4	5.697	65	99657	52.635	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 105.280%	
32) Benzene-d6	5.723	84	325071	52.129	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 104.260%	
36) 1,2-Dichloropropane-d6	6.684	67	101504	53.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 106.500%	
41) Toluene-d8	7.893	98	313115	50.519	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 101.040%	
43) trans-1,3-Dichloroprop...	8.176	79	47085	47.856	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 95.720%	
47) 2-Hexanone-d5	8.626	63	72832	111.962	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 111.960%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141689	52.742	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 105.480%	
66) 1,2-Dichlorobenzene-d4	12.189	152	123703	48.069	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 96.140%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	98789	48.918	ug/L	99
3) Chloromethane	1.520	50	96601	58.213	ug/L	99
5) Vinyl chloride	1.601	62	109527	56.951	ug/L	98
6) Bromomethane	1.851	94	68787	49.157	ug/L	100
8) Chloroethane	1.929	64	65323	56.475	ug/L	99
9) Trichlorofluoromethane	2.134	101	155775	52.662	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	83201	48.567	ug/L	94
12) 1,1-Dichloroethene	2.578	96	76030	49.799	ug/L	99
13) Acetone	2.617	43	68219	86.537	ug/L	99
14) Carbon disulfide	2.790	76	202463	50.131	ug/L	97
15) Methyl Acetate	2.941	43	70852	58.678	ug/L	95
16) Methylene chloride	3.041	84	90112	52.511	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	76548	49.889	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	243965	54.549	ug/L	99
19) 1,1-Dichloroethane	3.864	63	141772	55.778	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	90359	50.984	ug/L	89
22) 2-Butanone	4.694	43	99232	103.903	ug/L	98
23) Bromochloromethane	4.967	128	47524	48.140	ug/L	94
25) Chloroform	5.083	83	153988	52.822	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	116091	54.376	ug/L	96
29) Cyclohexane	5.385	56	121744	54.740	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	135162	53.097	ug/L	98
31) Carbon tetrachloride	5.520	117	117528	51.531	ug/L	98
33) Benzene	5.771	78	327013	54.329	ug/L	100
34) Trichloroethene	6.536	95	94508	51.913	ug/L	97
35) Methylcyclohexane	6.758	83	135023	50.457	ug/L	98
37) 1,2-Dichloropropane	6.784	63	85959	56.243	ug/L	98
38) Bromodichloromethane	7.102	83	111403	54.639	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	131017	52.458	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	188143	113.280	ug/L	97
42) Toluene	7.967	91	357751	52.447	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	122958	52.077	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	87851	52.354	ug/L	96
46) Tetrachloroethene	8.549	164	67858	44.918	ug/L	93
48) 2-Hexanone	8.678	43	143166	106.562	ug/L	99
49) Dibromochloromethane	8.806	129	87910	50.384	ug/L	99
50) 1,2-Dibromoethane	8.919	107	94547	50.361	ug/L	98
51) Chlorobenzene	9.443	112	237217	50.474	ug/L	96
52) Ethylbenzene	9.565	91	396870	52.266	ug/L	100
53) m,p-Xylene	9.690	106	154190	51.920	ug/L	100
54) o-Xylene	10.096	106	150768	51.348	ug/L	96
55) Styrene	10.112	104	252859	52.872	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	132386	53.734	ug/L	95
59) Bromoform	10.285	173	63102	50.004	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	108245	60.552	ug/L	98
61) Isopropylbenzene	10.481	105	399267	54.775	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	328480	54.210	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	328927	54.808	ug/L	96
64) 1,3-Dichlorobenzene	11.742	146	188099	49.386	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	191204	49.256	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	189254	49.856	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.993	75	29059	60.977	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	126042	44.688	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	117269	44.845	ug/L	98
71) Naphthalene	14.083	128	386416	49.369	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	116097	44.450	ug/L	98

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

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