

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030223\
 Data File : VU053188.D
 Acq On : 02 Mar 2023 15:40
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159

Quant Time: Mar 03 01:47:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 03 01:44:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	185278	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	176998	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	94249	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	62340	36.627	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.260%		
7) Chloroethane-d5	1.913	69	58147	40.366	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.740%		
11) 1,1-Dichloroethene-d2	2.569	63	125375	42.945	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.900%		
21) 2-Butanone-d5	4.624	46	89150	100.221	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.220%		
24) Chloroform-d	5.058	84	142126	47.336	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.680%		
26) 1,2-Dichloroethane-d4	5.698	65	88178	46.183	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.360%		
32) Benzene-d6	5.723	84	279783	44.310	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.620%		
36) 1,2-Dichloropropane-d6	6.688	67	93348	45.254	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.500%		
41) Toluene-d8	7.894	98	260742	44.598	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.200%		
43) trans-1,3-Dichloroprop...	8.177	79	46039	43.823	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.640%		
47) 2-Hexanone-d5	8.630	63	67309	94.461	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.460%		
56) 1,1,2,2-Tetrachloroeth...	10.752	84	130268	47.449	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.900%		
66) 1,2-Dichlorobenzene-d4	12.189	152	96406	46.012	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.020%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.386	85	94363	49.774	ug/L	100
3) Chloromethane	1.521	50	84579	45.768	ug/L	97
5) Vinyl chloride	1.604	62	92763	46.835	ug/L	99
6) Bromomethane	1.858	94	54201	43.048	ug/L	99
8) Chloroethane	1.936	64	55078	45.684	ug/L	98
9) Trichlorofluoromethane	2.138	101	113167	43.942	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.582	101	69008	47.928	ug/L	98
12) 1,1-Dichloroethene	2.579	96	62281	45.710	ug/L	90
13) Acetone	2.637	43	78581	139.641	ug/L	99
14) Carbon disulfide	2.794	76	192371	43.562	ug/L	99
15) Methyl Acetate	2.948	43	58479	48.218	ug/L	96
16) Methylene chloride	3.045	84	73886	47.174	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	64176	46.368	ug/L	97
18) Methyl tert-butyl Ether	3.360	73	219915	47.283	ug/L	99
19) 1,1-Dichloroethane	3.865	63	132174	48.679	ug/L	100
20) cis-1,2-Dichloroethene	4.662	96	76819	47.659	ug/L	99
22) 2-Butanone	4.701	43	92448	108.117	ug/L	100
23) Bromochloromethane	4.971	128	35197	46.519	ug/L	90
25) Chloroform	5.083	83	133998	48.428	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	103383	48.140	ug/L	98
29) Cyclohexane	5.386	56	124972	47.781	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	112421	45.457	ug/L	99
31) Carbon tetrachloride	5.521	117	91164	43.381	ug/L	99
33) Benzene	5.771	78	294597	47.317	ug/L	100
34) Trichloroethene	6.537	95	76954	47.633	ug/L	94
35) Methylcyclohexane	6.759	83	134275	47.986	ug/L	98
37) 1,2-Dichloropropane	6.784	63	82724	48.182	ug/L	99
38) Bromodichloromethane	7.099	83	101490	46.995	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	135196	47.953	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	165230	90.371	ug/L	98
42) Toluene	7.964	91	318185	48.044	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	123318	47.221	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	72901	46.821	ug/L	98
46) Tetrachloroethene	8.550	164	48871	45.664	ug/L	96
48) 2-Hexanone	8.678	43	137019	94.974	ug/L	98
49) Dibromochloromethane	8.807	129	72343	44.984	ug/L	97
50) 1,2-Dibromoethane	8.919	107	76892	46.492	ug/L	98
51) Chlorobenzene	9.443	112	197060	48.031	ug/L	99
52) Ethylbenzene	9.566	91	363365	49.196	ug/L	100
53) m,p-Xylene	9.691	106	135988	48.963	ug/L	99
54) o-xylene	10.096	106	131336	47.697	ug/L	97
55) Styrene	10.109	104	223449	48.926	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	120894	47.868	ug/L	99
59) Bromoform	10.286	173	47666	41.087	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	88146	44.810	ug/L	99
61) Isopropylbenzene	10.479	105	360718	47.940	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	295154	46.329	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	288898	46.850	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	145592	47.250	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	148295	47.439	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	144202	46.304	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	24214	41.757	ug/L	100
69) 1,3,5-Trichlorobenzene	13.215	180	94486	45.234	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	85192	43.094	ug/L	98
71) Naphthalene	14.080	128	287705	37.906	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	81740	41.179	ug/L	98

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

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