

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
 Data File : VU053255.D
 Acq On : 17 Mar 2023 10:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

Quant Time: Mar 18 01:46:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 17 04:28:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	165460	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	152591	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	74664	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	68198	44.677	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.360%		
7) Chloroethane-d5	1.912	69	58842	47.656	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.320%		
11) 1,1-Dichloroethene-d2	2.565	63	121053	45.779	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.560%		
21) 2-Butanone-d5	4.620	46	75076	106.043	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.040%		
24) Chloroform-d	5.057	84	120449	47.908	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.820%		
26) 1,2-Dichloroethane-d4	5.697	65	76435	48.953	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.900%		
32) Benzene-d6	5.723	84	248930	50.296	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.600%		
36) 1,2-Dichloropropane-d6	6.684	67	81997	51.332	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.660%		
41) Toluene-d8	7.893	98	225271	48.887	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.780%		
43) trans-1,3-Dichloroprop...	8.173	79	39216	49.759	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.520%		
47) 2-Hexanone-d5	8.626	63	54332	108.795	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	108.790%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	105955	51.204	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.400%		
66) 1,2-Dichlorobenzene-d4	12.189	152	73978	51.171	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	73572	42.599	ug/L	100
3) Chloromethane	1.517	50	69766	43.839	ug/L	100
5) Vinyl chloride	1.604	62	77096	44.286	ug/L	99
6) Bromomethane	1.855	94	53909	51.516	ug/L	98
8) Chloroethane	1.932	64	47393	46.088	ug/L	99
9) Trichlorofluoromethane	2.138	101	97132	44.719	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	56792	43.223	ug/L	96
12) 1,1-Dichloroethene	2.578	96	50970	41.946	ug/L	90
13) Acetone	2.626	43	75600	93.758	ug/L	99
14) Carbon disulfide	2.790	76	154229	41.906	ug/L	99
15) Methyl Acetate	2.945	43	52137	47.174	ug/L	97
16) Methylene chloride	3.041	84	60093	40.765	ug/L	93
17) trans-1,2-Dichloroethene	3.350	96	52481	42.567	ug/L	92
18) Methyl tert-butyl Ether	3.359	73	188679	45.511	ug/L	99
19) 1,1-Dichloroethane	3.864	63	113947	45.276	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	62849	43.400	ug/L	92
22) 2-Butanone	4.697	43	87847	95.628	ug/L	99
23) Bromochloromethane	4.970	128	28518	41.302	ug/L	85
25) Chloroform	5.083	83	114284	45.379	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	92693	46.625	ug/L	98
29) Cyclohexane	5.385	56	105876	46.566	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	94980	45.665	ug/L	98
31) Carbon tetrachloride	5.520	117	76370	44.818	ug/L	99
33) Benzene	5.771	78	252519	47.733	ug/L	100
34) Trichloroethene	6.539	95	62891	45.594	ug/L	98
35) Methylcyclohexane	6.758	83	114479	47.347	ug/L	98
37) 1,2-Dichloropropane	6.787	63	71608	48.517	ug/L	100
38) Bromodichloromethane	7.102	83	86492	47.089	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	116377	47.993	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	149119	98.296	ug/L	100
42) Toluene	7.964	91	264951	46.586	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	106177	47.901	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	62199	46.281	ug/L	99
46) Tetrachloroethene	8.549	164	40531	45.164	ug/L	97
48) 2-Hexanone	8.677	43	126472	99.556	ug/L	100
49) Dibromochloromethane	8.806	129	60359	43.905	ug/L	97
50) 1,2-Dibromoethane	8.919	107	65872	45.999	ug/L	99
51) Chlorobenzene	9.443	112	161811	45.649	ug/L	98
52) Ethylbenzene	9.565	91	303119	46.998	ug/L	98
53) m,p-Xylene	9.690	106	112678	46.808	ug/L	99
54) o-Xylene	10.095	106	110747	46.516	ug/L	100
55) Styrene	10.111	104	185614	46.777	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	105552	47.904	ug/L	98
59) Bromoform	10.288	173	40011	47.090	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	79154	53.351	ug/L	98
61) Isopropylbenzene	10.481	105	299605	50.787	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	244894	50.151	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	235188	49.411	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	120178	48.574	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	120282	48.427	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	118263	47.825	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	21980	53.575	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	76465	48.747	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	69873	49.575	ug/L	99
71) Naphthalene	14.082	128	245862	51.755	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	69814	52.232	ug/L	98

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

