

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071124\
 Data File : VU059895.D
 Acq On : 11 Jul 2024 08:27
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050199

Quant Time: Jul 12 01:54:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:39:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	246459	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	251381	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	134867	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	81484	51.493	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 102.980%			
7) Chloroethane-d5	1.907	69	71711	53.876	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.760%			
11) 1,1-Dichloroethene-d2	2.563	63	138969	49.433	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.860%			
21) 2-Butanone-d5	4.618	46	100312	91.215	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.220%			
24) Chloroform-d	5.055	84	162841	53.139	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.280%			
26) 1,2-Dichloroethane-d4	5.692	65	92244	50.626	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.260%			
32) Benzene-d6	5.721	84	320189	49.741	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.480%			
36) 1,2-Dichloropropane-d6	6.682	67	100922	50.656	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.320%			
41) Toluene-d8	7.891	98	305356	49.882	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.760%			
43) trans-1,3-Dichloroprop...	8.174	79	45470	48.774	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.540%			
47) 2-Hexanone-d5	8.627	63	72418	86.250	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 86.250%			
56) 1,1,2,2-Tetrachloroeth...	10.749	84	156351	51.130	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.260%			
66) 1,2-Dichlorobenzene-d4	12.187	152	114682	46.274	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	83078	54.277	ug/L	100
3) Chloromethane	1.518	50	83983	55.914	ug/L	98
5) Vinyl chloride	1.602	62	96523	54.742	ug/L	98
6) Bromomethane	1.853	94	61816	66.743	ug/L	99
8) Chloroethane	1.930	64	63237	55.088	ug/L	99
9) Trichlorofluoromethane	2.132	101	132826	54.109	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	86631	55.442	ug/L	98
12) 1,1-Dichloroethene	2.573	96	73886	50.560	ug/L	95
13) Acetone	2.628	43	120087	106.044	ug/L	96
14) Carbon disulfide	2.788	76	192377	52.158	ug/L	98
15) Methyl Acetate	2.943	43	81030	47.460	ug/L	97
16) Methylene chloride	3.039	84	91575	49.695	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	77309	51.387	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	235547	48.205	ug/L	99
19) 1,1-Dichloroethane	3.859	63	152618	53.487	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	90457	49.654	ug/L	97
22) 2-Butanone	4.695	43	132067	94.790	ug/L	100
23) Bromochloromethane	4.965	128	50839	52.908	ug/L	96
25) Chloroform	5.078	83	165894	54.029	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	120579	51.729	ug/L	99
29) Cyclohexane	5.380	56	103429	45.950	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	134444	51.625	ug/L	99
31) Carbon tetrachloride	5.518	117	112776	52.425	ug/L	98
33) Benzene	5.766	78	353849	52.126	ug/L	100
34) Trichloroethene	6.534	95	90853	50.153	ug/L	96
35) Methylcyclohexane	6.756	83	122824	49.094	ug/L	98
37) 1,2-Dichloropropane	6.782	63	96836	51.826	ug/L	99
38) Bromodichloromethane	7.100	83	126289	53.343	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	137039	47.937	ug/L	96
40) 4-Methyl-2-pentanone	7.785	43	215324	91.178	ug/L	97
42) Toluene	7.962	91	382306	51.588	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	131956	50.251	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	101036	51.633	ug/L	99
46) Tetrachloroethene	8.547	164	74833	50.216	ug/L	99
48) 2-Hexanone	8.679	43	189671	95.965	ug/L	99
49) Dibromochloromethane	8.804	129	102681	53.257	ug/L	99
50) 1,2-Dibromoethane	8.917	107	104696	51.172	ug/L	99
51) Chlorobenzene	9.441	112	244775	49.753	ug/L	100
52) Ethylbenzene	9.566	91	385488	48.710	ug/L	99
53) m,p-Xylene	9.688	106	152719	49.562	ug/L	98
54) o-Xylene	10.094	106	147410	49.749	ug/L	99
55) Styrene	10.110	104	264390	52.889	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	171908	52.094	ug/L	100
59) Bromoform	10.283	173	83901	51.450	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	125252	48.935	ug/L	99
61) Isopropylbenzene	10.479	105	383868	48.828	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	271243	47.130	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	294360	47.750	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	201323	49.378	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	204898	48.614	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	203831	49.489	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	32251	46.074	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	141797	48.237	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	117900	44.499	ug/L	99
71) Naphthalene	14.081	128	311597	40.696	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	127618	48.008	ug/L	100

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

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