

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050222\
 Data File : VU048359.D
 Acq On : 02 May 2022 10:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

Quant Time: May 03 04:04:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 30 04:38:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	432874	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	437518	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	264116	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	136373	34.260	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	68.520%		
7) Chloroethane-d5	1.893	69	120397	43.089	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.180%		
11) 1,1-Dichloroethene-d2	2.565	63	248175	38.911	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.820%		
21) 2-Butanone-d5	4.623	46	269247	79.305	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	79.310%		
24) Chloroform-d	5.063	84	312666	43.305	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.600%		
26) 1,2-Dichloroethane-d4	5.703	65	191342	44.665	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.340%		
32) Benzene-d6	5.729	84	624455	45.255	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.500%		
36) 1,2-Dichloropropane-d6	6.690	67	203631	44.637	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.280%		
41) Toluene-d8	7.899	98	600227	47.989	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.980%		
43) trans-1,3-Dichloroprop...	8.179	79	96256	47.818	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.640%		
47) 2-Hexanone-d5	8.636	63	230519	93.659	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.660%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	375621	46.948	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.900%		
66) 1,2-Dichlorobenzene-d4	12.195	152	280762	47.255	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.520%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	127126	38.866	ug/L	100
3) Chloromethane	1.520	50	134472	35.919	ug/L	99
5) Vinyl chloride	1.604	62	148701	39.415	ug/L	97
6) Bromomethane	1.839	94	66781	38.516	ug/L	100
8) Chloroethane	1.919	64	105074	49.256	ug/L	99
9) Trichlorofluoromethane	2.128	101	223713	45.501	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	146791	45.016	ug/L	99
12) 1,1-Dichloroethene	2.578	96	123611	43.427	ug/L	94
13) Acetone	2.630	43	221924	101.820	ug/L	100
14) Carbon disulfide	2.790	76	258961	37.329	ug/L	99
15) Methyl Acetate	2.948	43	173640	40.133	ug/L	99
16) Methylene chloride	3.044	84	162033	44.155	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	130991	44.299	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	475074	48.694	ug/L	99
19) 1,1-Dichloroethane	3.871	63	274611	44.411	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	168645	47.315	ug/L	91
22) 2-Butanone	4.703	43	289561	89.842	ug/L	96
23) Bromochloromethane	4.977	128	93271	46.871	ug/L	94
25) Chloroform	5.089	83	296780	47.002	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	215113	46.707	ug/L	99
29) Cyclohexane	5.388	56	188242	45.537	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	244342	49.386	ug/L	100
31) Carbon tetrachloride	5.526	117	209262	49.624	ug/L	100
33) Benzene	5.774	78	615456	47.512	ug/L	100
34) Trichloroethene	6.543	95	155270	48.903	ug/L	98
35) Methylcyclohexane	6.764	83	214501	48.119	ug/L	98
37) 1,2-Dichloropropane	6.790	63	172002	46.669	ug/L	99
38) Bromodichloromethane	7.108	83	225349	48.417	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	255261	49.254	ug/L	99
40) 4-Methyl-2-pentanone	7.797	43	515027	92.651	ug/L	99
42) Toluene	7.970	91	677816	49.839	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	249742	49.328	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	185990	48.099	ug/L	98
46) Tetrachloroethene	8.552	164	132888	48.766	ug/L	99
48) 2-Hexanone	8.687	43	447378	96.377	ug/L	98
49) Dibromochloromethane	8.813	129	207426	48.817	ug/L	100
50) 1,2-Dibromoethane	8.925	107	191872	48.931	ug/L	99
51) Chlorobenzene	9.449	112	466091	47.546	ug/L	99
52) Ethylbenzene	9.571	91	710471	50.443	ug/L	100
53) m,p-Xylene	9.694	106	288034	51.822	ug/L	100
54) o-Xylene	10.102	106	289712	51.741	ug/L	100
55) Styrene	10.115	104	502674	52.698	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	371699	48.705	ug/L	99
59) Bromoform	10.295	173	183024	47.749	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	277945	45.110	ug/L	99
61) Isopropylbenzene	10.484	105	740653	50.154	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	399857	51.373	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	623612	52.113	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	407754	49.250	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	411611	48.698	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	432721	49.615	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	74135	45.072	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	324147	52.689	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	270774	55.712	ug/L	99
71) Naphthalene	14.086	128	831161	59.756	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	282695	56.755	ug/L	99

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

