

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022824\
 Data File : VU057956.D
 Acq On : 28 Feb 2024 09:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050156

Quant Time: Feb 29 00:06:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 28 00:40:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	264201	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	252862	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123085	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	103783	54.259	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 108.520%			
7) Chloroethane-d5	1.904	69	79707	56.380	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.760%			
11) 1,1-Dichloroethene-d2	2.560	63	190137	53.339	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 106.680%			
21) 2-Butanone-d5	4.611	46	94055	129.418	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 129.420%			
24) Chloroform-d	5.052	84	181027	55.814	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 111.620%			
26) 1,2-Dichloroethane-d4	5.692	65	115397	56.757	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 113.520%			
32) Benzene-d6	5.718	84	352763	55.668	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 111.340%			
36) 1,2-Dichloropropane-d6	6.682	67	114359	55.889	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 111.780%			
41) Toluene-d8	7.891	98	316896	55.245	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.480%			
43) trans-1,3-Dichloroprop...	8.174	79	54039	55.458	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 110.920%			
47) 2-Hexanone-d5	8.624	63	75567	96.065	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.060%			
56) 1,1,2,2-Tetrachloroeth...	10.749	84	145349	51.478	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.960%			
66) 1,2-Dichlorobenzene-d4	12.187	152	107005	53.690	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.377	85	132832	45.862	ug/L	99
3) Chloromethane	1.515	50	131012	44.487	ug/L	98
5) Vinyl chloride	1.599	62	134460	46.236	ug/L	100
6) Bromomethane	1.850	94	75439	66.440	ug/L	99
8) Chloroethane	1.923	64	78893	46.388	ug/L	98
9) Trichlorofluoromethane	2.129	101	168811	47.439	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	103223	49.911	ug/L	99
12) 1,1-Dichloroethene	2.570	96	91304	47.730	ug/L	94
13) Acetone	2.608	43	139172	103.427	ug/L	98
14) Carbon disulfide	2.785	76	298171	47.629	ug/L	99
15) Methyl Acetate	2.936	43	104426	47.669	ug/L	100
16) Methylene chloride	3.033	84	108065	43.343	ug/L	99
17) trans-1,2-Dichloroethene	3.341	96	95300	48.020	ug/L	98
18) Methyl tert-butyl Ether	3.348	73	319748	46.277	ug/L	99
19) 1,1-Dichloroethane	3.856	63	196138	47.669	ug/L	97
20) cis-1,2-Dichloroethene	4.653	96	107369	47.160	ug/L	98
22) 2-Butanone	4.685	43	166732	102.274	ug/L	99
23) Bromochloromethane	4.965	128	52599	47.551	ug/L	97
25) Chloroform	5.078	83	199059	48.998	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	159732	47.253	ug/L	97
29) Cyclohexane	5.380	56	177813	47.780	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	166779	48.944	ug/L	99
31) Carbon tetrachloride	5.515	117	146300	49.997	ug/L	100
33) Benzene	5.766	78	425281	48.221	ug/L	100
34) Trichloroethene	6.534	95	111332	49.108	ug/L	98
35) Methylcyclohexane	6.756	83	178645	48.501	ug/L	99
37) 1,2-Dichloropropane	6.782	63	117837	47.351	ug/L	99
38) Bromodichloromethane	7.097	83	146771	49.114	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	187198	49.223	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	289940	92.557	ug/L	99
42) Toluene	7.962	91	443709	48.612	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	172115	48.768	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	105036	47.502	ug/L	97
46) Tetrachloroethene	8.547	164	77683	49.791	ug/L	97
48) 2-Hexanone	8.676	43	235060	91.933	ug/L	98
49) Dibromochloromethane	8.804	129	106665	48.438	ug/L	99
50) 1,2-Dibromoethane	8.917	107	110698	47.547	ug/L	100
51) Chlorobenzene	9.441	112	271773	46.824	ug/L	99
52) Ethylbenzene	9.566	91	496700	48.531	ug/L	99
53) m,p-Xylene	9.688	106	182039	48.908	ug/L	99
54) o-Xylene	10.094	106	177732	48.329	ug/L	96
55) Styrene	10.110	104	298999	47.413	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	170549	45.277	ug/L	97
59) Bromoform	10.287	173	75477	49.954	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	129986	45.583	ug/L	99
61) Isopropylbenzene	10.479	105	475247	49.407	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	391551	47.247	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	389108	46.727	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	200847	47.224	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	203947	47.072	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	192052	45.899	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	32598	48.147	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	138595	48.450	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	115551	50.171	ug/L	99
71) Naphthalene	14.084	128	288695	47.202	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	104602	49.447	ug/L	100

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

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