

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040623\
 Data File : VU053585.D
 Acq On : 06 Apr 2023 10:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050187

Quant Time: Apr 07 03:45:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	266383	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	250558	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	138568	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	103773	50.030	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.060%	
7) Chloroethane-d5	1.909	69	83324	52.101	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 104.200%	
11) 1,1-Dichloroethene-d2	2.565	63	157479	49.046	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 98.100%	
21) 2-Butanone-d5	4.613	46	103475	110.183	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 110.180%	
24) Chloroform-d	5.057	84	168464	49.109	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 98.220%	
26) 1,2-Dichloroethane-d4	5.697	65	103780	51.198	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.400%	
32) Benzene-d6	5.723	84	335386	49.590	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.180%	
36) 1,2-Dichloropropane-d6	6.687	67	104455	50.529	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 101.060%	
41) Toluene-d8	7.896	98	326201	48.527	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.060%	
43) trans-1,3-Dichloroprop...	8.176	79	53394	50.038	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 100.080%	
47) 2-Hexanone-d5	8.629	63	78615	111.429	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 111.430%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	146863	50.406	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 100.820%	
66) 1,2-Dichlorobenzene-d4	12.189	152	132504	45.811	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 91.620%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	103843	48.029	ug/L	100
3) Chloromethane	1.520	50	99091	55.776	ug/L	95
5) Vinyl chloride	1.604	62	113349	55.052	ug/L	99
6) Bromomethane	1.851	94	72563	48.436	ug/L	97
8) Chloroethane	1.932	64	66312	53.549	ug/L	98
9) Trichlorofluoromethane	2.137	101	163879	51.748	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	91347	49.806	ug/L	94
12) 1,1-Dichloroethene	2.578	96	78713	48.156	ug/L	96
13) Acetone	2.620	43	93641	110.951	ug/L	98
14) Carbon disulfide	2.790	76	218062	50.433	ug/L	96
15) Methyl Acetate	2.941	43	68172	52.735	ug/L	95
16) Methylene chloride	3.044	84	86625	47.150	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	79754	48.550	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	247688	51.729	ug/L	98
19) 1,1-Dichloroethane	3.864	63	144054	52.938	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	93016	49.022	ug/L	95
22) 2-Butanone	4.694	43	110865	108.427	ug/L	96
23) Bromochloromethane	4.970	128	48687	46.066	ug/L	94
25) Chloroform	5.086	83	159572	51.127	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	116992	51.184	ug/L	98
29) Cyclohexane	5.385	56	128857	53.421	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	137033	49.635	ug/L	98
31) Carbon tetrachloride	5.520	117	121383	49.072	ug/L	99
33) Benzene	5.771	78	336683	51.574	ug/L	100
34) Trichloroethene	6.539	95	98169	49.720	ug/L	93
35) Methylcyclohexane	6.761	83	153633	52.935	ug/L	98
37) 1,2-Dichloropropane	6.787	63	87062	52.523	ug/L	99
38) Bromodichloromethane	7.102	83	115096	52.049	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	146574	54.112	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	193518	107.432	ug/L	98
42) Toluene	7.967	91	368589	49.823	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	137660	53.759	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	91508	50.281	ug/L	99
46) Tetrachloroethene	8.549	164	72234	44.087	ug/L	91
48) 2-Hexanone	8.681	43	161071	110.542	ug/L	100
49) Dibromochloromethane	8.806	129	91183	48.185	ug/L	100
50) 1,2-Dibromoethane	8.919	107	99319	48.779	ug/L	96
51) Chlorobenzene	9.443	112	246406	48.341	ug/L	95
52) Ethylbenzene	9.568	91	419183	50.900	ug/L	100
53) m,p-Xylene	9.690	106	163677	50.818	ug/L	100
54) o-xylene	10.099	106	157864	49.573	ug/L	98
55) Styrene	10.111	104	264995	51.090	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	135814	50.827	ug/L	98
59) Bromoform	10.288	173	64121	45.209	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	110058	54.777	ug/L	96
61) Isopropylbenzene	10.481	105	418590	51.094	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	350596	51.480	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	349721	51.847	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	201474	47.064	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	203533	46.650	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	201594	47.251	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	30190	56.364	ug/L	82
69) 1,3,5-Trichlorobenzene	13.214	180	140718	44.390	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	131913	44.883	ug/L	98
71) Naphthalene	14.082	128	439542	49.964	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	130550	44.472	ug/L	98

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

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