

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020223\
 Data File : VU052936.D
 Acq On : 02 Feb 2023 19:44
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050150

Quant Time: Feb 03 00:29:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 00:24:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	240009	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	230417	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	134280	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67870	39.289	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.580%
7) Chloroethane-d5	1.909	69	64866	45.571	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.140%
11) 1,1-Dichloroethene-d2	2.565	63	147083	42.808	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.620%
21) 2-Butanone-d5	4.620	46	83365	78.119	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.120%
24) Chloroform-d	5.057	84	170688	46.298	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.697	65	106990	45.449	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.900%
32) Benzene-d6	5.723	84	317436	45.093	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.180%
36) 1,2-Dichloropropane-d6	6.684	67	91757	44.443	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.880%
41) Toluene-d8	7.893	98	290761	45.359	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.720%
43) trans-1,3-Dichloroprop...	8.176	79	46044	44.495	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.000%
47) 2-Hexanone-d5	8.629	63	59533	82.064	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.060%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	133969	43.918	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.840%
66) 1,2-Dichlorobenzene-d4	12.188	152	122222	46.876	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	99841	44.425	ug/L	99
3) Chloromethane	1.520	50	84127	45.386	ug/L	100
5) Vinyl chloride	1.604	62	98564	48.066	ug/L	99
6) Bromomethane	1.854	94	69056	53.399	ug/L	96
8) Chloroethane	1.928	64	63850	49.574	ug/L	98
9) Trichlorofluoromethane	2.134	101	171049	49.801	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	89519	46.240	ug/L	96
12) 1,1-Dichloroethene	2.578	96	83127	46.819	ug/L	94
13) Acetone	2.629	43	74978	57.527	ug/L	98
14) Carbon disulfide	2.790	76	230947	43.067	ug/L	99
15) Methyl Acetate	2.944	43	71342	40.625	ug/L	95
16) Methylene chloride	3.044	84	103198	48.861	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	88565	46.158	ug/L	99
18) Methyl tert-butyl Ether	3.356	73	274635	48.678	ug/L	99
19) 1,1-Dichloroethane	3.864	63	160503	47.697	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	99419	48.530	ug/L	96
22) 2-Butanone	4.700	43	96696	69.410	ug/L	94
23) Bromochloromethane	4.967	128	54723	47.569	ug/L	97
25) Chloroform	5.083	83	179260	47.453	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	140893	47.112	ug/L	100
29) Cyclohexane	5.385	56	126586	46.361	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	165371	48.792	ug/L	99
31) Carbon tetrachloride	5.520	117	146191	49.758	ug/L	100
33) Benzene	5.768	78	373342	47.599	ug/L	100
34) Trichloroethene	6.536	95	93237	46.769	ug/L	92
35) Methylcyclohexane	6.758	83	147420	46.722	ug/L	99
37) 1,2-Dichloropropane	6.784	63	89861	46.601	ug/L	100
38) Bromodichloromethane	7.102	83	134422	47.503	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	141222	46.752	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	187623	82.587	ug/L	96
42) Toluene	7.964	91	393494	48.951	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	139940	47.141	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	94926	48.138	ug/L	98
46) Tetrachloroethene	8.549	164	80631	46.970	ug/L	99
48) 2-Hexanone	8.681	43	151076	78.606	ug/L	97
49) Dibromochloromethane	8.803	129	112439	47.681	ug/L	99
50) 1,2-Dibromoethane	8.919	107	101284	47.723	ug/L	99
51) Chlorobenzene	9.443	112	263407	47.628	ug/L	97
52) Ethylbenzene	9.565	91	417622	48.614	ug/L	98
53) m,p-Xylene	9.690	106	173610	49.920	ug/L	98
54) o-xylene	10.095	106	166293	50.088	ug/L	97
55) Styrene	10.108	104	288052	50.561	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	144457	45.266	ug/L	99
59) Bromoform	10.285	173	85955	46.712	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	113521	43.583	ug/L	98
61) Isopropylbenzene	10.481	105	430886	49.684	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	363773	50.377	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	359998	51.520	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	210757	48.168	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	213796	47.199	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	217349	49.111	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	31408	42.067	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	151846	46.877	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	133968	49.330	ug/L	98
71) Naphthalene	14.082	128	386577	49.533	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	142082	49.505	ug/L	98

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

