

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052938.D
 Acq On : 03 Feb 2023 11:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050151

Quant Time: Feb 03 23:39:25 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	6.246	114	216246	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	213438	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	125723	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	58915	37.852	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.700%
7) Chloroethane-d5	1.909	69	58509	45.622	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.240%
11) 1,1-Dichloroethene-d2	2.565	63	140474	45.377	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.760%
21) 2-Butanone-d5	4.623	46	71272	74.126	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.130%
24) Chloroform-d	5.057	84	164155	49.419	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.840%
26) 1,2-Dichloroethane-d4	5.697	65	105125	49.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.120%
32) Benzene-d6	5.722	84	294410	45.149	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.300%
36) 1,2-Dichloropropane-d6	6.687	67	87721	45.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.740%
41) Toluene-d8	7.896	98	273722	46.098	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.176	79	44935	46.878	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.760%
47) 2-Hexanone-d5	8.632	63	49818	74.135	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.140%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	125512	44.419	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.840%
66) 1,2-Dichlorobenzene-d4	12.188	152	112965	46.274	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	91755	45.313	ug/L	99
3) Chloromethane	1.520	50	69582	41.665	ug/L	99
5) Vinyl chloride	1.604	62	80711	43.685	ug/L	98
6) Bromomethane	1.858	94	59415	50.992	ug/L	95
8) Chloroethane	1.932	64	54080	46.603	ug/L	95
9) Trichlorofluoromethane	2.134	101	156601	50.605	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	86981	49.867	ug/L	98
12) 1,1-Dichloroethene	2.578	96	76318	47.708	ug/L	98
13) Acetone	2.632	43	72409	61.661	ug/L	98
14) Carbon disulfide	2.790	76	217490	45.015	ug/L	99
15) Methyl Acetate	2.944	43	61656	38.968	ug/L	97
16) Methylene chloride	3.041	84	90413	47.512	ug/L	97
17) trans-1,2-Dichloroethene	3.349	96	82352	47.637	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	244290	48.057	ug/L	99
19) 1,1-Dichloroethane	3.864	63	145325	47.932	ug/L	96
20) cis-1,2-Dichloroethene	4.661	96	88385	47.885	ug/L	98
22) 2-Butanone	4.700	43	88339	70.380	ug/L	98
23) Bromochloromethane	4.970	128	50182	48.416	ug/L	98
25) Chloroform	5.083	83	172034	50.545	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	134355	49.863	ug/L	98
29) Cyclohexane	5.385	56	118290	46.769	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	155624	49.569	ug/L	99
31) Carbon tetrachloride	5.520	117	137625	50.569	ug/L	99
33) Benzene	5.771	78	348545	47.973	ug/L	100
34) Trichloroethene	6.539	95	85923	46.529	ug/L	97
35) Methylcyclohexane	6.761	83	138006	47.217	ug/L	98
37) 1,2-Dichloropropane	6.787	63	84563	47.342	ug/L	98
38) Bromodichloromethane	7.102	83	127140	48.504	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	130984	46.812	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	164190	78.021	ug/L	99
42) Toluene	7.967	91	371380	49.875	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	130645	47.511	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	87810	48.072	ug/L	99
46) Tetrachloroethene	8.549	164	76156	47.893	ug/L	99
48) 2-Hexanone	8.684	43	132140	74.223	ug/L	97
49) Dibromochloromethane	8.806	129	103994	47.608	ug/L	99
50) 1,2-Dibromoethane	8.918	107	91521	46.553	ug/L	96
51) Chlorobenzene	9.442	112	242145	47.267	ug/L	99
52) Ethylbenzene	9.568	91	394758	49.608	ug/L	99
53) m,p-Xylene	9.690	106	163092	50.627	ug/L	99
54) o-xylene	10.098	106	155889	50.689	ug/L	98
55) Styrene	10.111	104	272896	51.711	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	133026	45.000	ug/L	100
59) Bromoform	10.288	173	77653	45.073	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	101240	41.514	ug/L	98
61) Isopropylbenzene	10.481	105	404790	49.852	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	341089	50.450	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	337049	51.519	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	197399	48.185	ug/L	97
65) 1,4-Dichlorobenzene	11.831	146	196635	46.365	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	198630	47.936	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	27263	39.001	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	144600	47.678	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	116747	45.914	ug/L	98
71) Naphthalene	14.082	128	329327	45.070	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	127427	47.420	ug/L	98

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

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