

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052872.D
 Acq On : 31 Jan 2023 10:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050145

Quant Time: Feb 01 00:48:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	241504	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	239121	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	138821	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	63743	36.671	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.340%
7) Chloroethane-d5	1.909	69	61346	42.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.660%
11) 1,1-Dichloroethene-d2	2.568	63	145674	42.135	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.280%
21) 2-Butanone-d5	4.623	46	95588	89.018	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.020%
24) Chloroform-d	5.060	84	167451	45.139	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.280%
26) 1,2-Dichloroethane-d4	5.697	65	107930	45.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.120%
32) Benzene-d6	5.722	84	299146	40.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.900%
36) 1,2-Dichloropropane-d6	6.687	67	92150	43.008	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.020%
41) Toluene-d8	7.896	98	271849	40.865	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.740%
43) trans-1,3-Dichloroprop...	8.176	79	43590	40.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.180%
47) 2-Hexanone-d5	8.636	63	66975	88.962	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.960%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	144837	45.753	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.500%
66) 1,2-Dichlorobenzene-d4	12.188	152	109968	40.797	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	113766	50.308	ug/L	99
3) Chloromethane	1.520	50	104305	55.924	ug/L	100
5) Vinyl chloride	1.604	62	111416	53.998	ug/L	98
6) Bromomethane	1.858	94	67553	51.913	ug/L	98
8) Chloroethane	1.928	64	72415	55.876	ug/L	97
9) Trichlorofluoromethane	2.134	101	180968	52.363	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	95381	48.963	ug/L	98
12) 1,1-Dichloroethene	2.578	96	88849	49.732	ug/L	92
13) Acetone	2.633	43	86364	65.853	ug/L	98
14) Carbon disulfide	2.790	76	267085	49.498	ug/L	99
15) Methyl Acetate	2.944	43	92173	52.163	ug/L	99
16) Methylene chloride	3.041	84	109758	51.646	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	92361	47.839	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	288428	50.806	ug/L	98
19) 1,1-Dichloroethane	3.864	63	177092	52.301	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	100854	48.926	ug/L	97
22) 2-Butanone	4.703	43	120765	86.151	ug/L	99
23) Bromochloromethane	4.970	128	57077	49.309	ug/L	95
25) Chloroform	5.083	83	196705	51.749	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	157476	52.331	ug/L	99
29) Cyclohexane	5.385	56	132636	46.809	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	174184	49.522	ug/L	99
31) Carbon tetrachloride	5.520	117	155570	51.023	ug/L	99
33) Benzene	5.771	78	407154	50.021	ug/L	100
34) Trichloroethene	6.539	95	97212	46.988	ug/L	97
35) Methylcyclohexane	6.761	83	150406	45.933	ug/L	97
37) 1,2-Dichloropropane	6.787	63	103054	51.497	ug/L	100
38) Bromodichloromethane	7.102	83	147946	50.379	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	142135	45.341	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	239549	101.605	ug/L	99
42) Toluene	7.967	91	424383	50.872	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	145087	47.096	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	103363	50.509	ug/L	98
46) Tetrachloroethene	8.549	164	81986	46.021	ug/L	98
48) 2-Hexanone	8.684	43	189053	94.786	ug/L	99
49) Dibromochloromethane	8.806	129	123069	50.289	ug/L	97
50) 1,2-Dibromoethane	8.918	107	106845	48.510	ug/L	99
51) Chlorobenzene	9.443	112	272836	47.537	ug/L	98
52) Ethylbenzene	9.568	91	434418	48.728	ug/L	100
53) m,p-Xylene	9.690	106	179259	49.668	ug/L	98
54) o-xylene	10.098	106	172074	49.943	ug/L	98
55) Styrene	10.111	104	305502	51.672	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	165181	49.876	ug/L	99
59) Bromoform	10.288	173	90773	47.717	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	132751	49.299	ug/L	99
61) Isopropylbenzene	10.481	105	434131	48.421	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	364961	48.888	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	360176	49.859	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	210756	46.592	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	216519	46.236	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	217056	47.440	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	34658	44.902	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	145903	43.569	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	114105	40.641	ug/L	99
71) Naphthalene	14.082	128	333009	41.274	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	128639	43.355	ug/L	98

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

