

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU053004.D
 Acq On : 08 Feb 2023 17:12
 Operator : JC/MD
 Sample : 01378-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2023-02

Quant Time: Feb 09 03:43:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 01:09:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	326559	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	302901	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	156278	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	137926	45.461	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.920%
7) Chloroethane-d5	1.913	69	112289	45.754	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.500%
11) 1,1-Dichloroethene-d2	2.566	63	167291	35.983	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.960%
21) 2-Butanone-d5	4.627	46	123276	104.763	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.760%
24) Chloroform-d	5.058	84	229842	45.818	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.640%
26) 1,2-Dichloroethane-d4	5.698	65	139436	46.505	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.020%
32) Benzene-d6	5.723	84	478865	47.650	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.300%
36) 1,2-Dichloropropane-d6	6.685	67	147294	47.504	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.000%
41) Toluene-d8	7.894	98	464201	47.142	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.280%
43) trans-1,3-Dichloroprop...	8.177	79	80407	47.317	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.640%
47) 2-Hexanone-d5	8.630	63	100368	106.595	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.590%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	207937	48.443	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.880%
66) 1,2-Dichlorobenzene-d4	12.189	152	171408	49.283	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5727	2.230	ug/L	96
3) Chloromethane	1.518	50	6024	2.544	ug/L	96
5) Vinyl chloride	1.601	62	7292	2.501	ug/L #	61
6) Bromomethane	1.859	94	4794	2.383	ug/L	95
8) Chloroethane	1.933	64	3650	2.043	ug/L	91
9) Trichlorofluoromethane	2.138	101	10555	2.365	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	6739	2.997	ug/L #	80
12) 1,1-Dichloroethene	2.576	96	6174	2.882	ug/L #	1
13) Acetone	2.650	43	3177	2.985	ug/L	68
14) Carbon disulfide	2.791	76	14160	2.222	ug/L	99
15) Methyl Acetate	2.955	43	2856	1.852	ug/L #	78
16) Methylene chloride	3.045	84	6121	2.367	ug/L	91
17) trans-1,2-Dichloroethene	3.350	96	5187	2.264	ug/L	92
18) Methyl tert-butyl Ether	3.360	73	15002	2.105	ug/L #	84
19) 1,1-Dichloroethane	3.868	63	8589	2.187	ug/L #	82
20) cis-1,2-Dichloroethene	4.665	96	4964	1.920	ug/L #	91
22) 2-Butanone	4.720	43	5616	4.482	ug/L	81
23) Bromochloromethane	4.974	128	3285	2.356	ug/L	88
25) Chloroform	5.083	83	10928	2.489	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.794	62	7278	2.319	ug/L #	67
29) Cyclohexane	5.383	56	7838	2.202	ug/L #	95
30) 1,1,1-Trichloroethane	5.312	97	8642	2.219	ug/L	97
31) Carbon tetrachloride	5.524	117	7378	2.161	ug/L	95
33) Benzene	5.772	78	20927	2.253	ug/L	100
34) Trichloroethene	6.543	95	6171	2.443	ug/L	92
35) Methylcyclohexane	6.762	83	9336	2.177	ug/L	96
37) 1,2-Dichloropropane	6.788	63	5631	2.392	ug/L	97
38) Bromodichloromethane	7.103	83	7141	2.099	ug/L	96
39) cis-1,3-Dichloropropene	7.604	75	9032	2.232	ug/L	88
40) 4-Methyl-2-pentanone	7.791	43	10837	4.753	ug/L	94
42) Toluene	7.968	91	23324	2.217	ug/L	93
44) trans-1,3-Dichloropropene	8.209	75	8359	2.131	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	5560	2.293	ug/L	92
46) Tetrachloroethene	8.553	164	4861	2.430	ug/L	98
48) 2-Hexanone	8.681	43	12312	6.774	ug/L #	94
49) Dibromochloromethane	8.807	129	7025	2.398	ug/L	98
50) 1,2-Dibromoethane	8.919	107	6673	2.515	ug/L	95
51) Chlorobenzene	9.443	112	16037	2.369	ug/L	98
52) Ethylbenzene	9.569	91	25027	2.163	ug/L	97
53) m,p-Xylene	9.691	106	10267	2.244	ug/L	99
54) o-xylene	10.096	106	9596	2.123	ug/L	84
55) Styrene	10.112	104	16232	2.129	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	9492	2.510	ug/L	92
59) Bromoform	10.289	173	5260	2.575	ug/L	97
60) 1,2,3-Trichloropropane	10.820	75	6758	2.636	ug/L	96
61) Isopropylbenzene	10.482	105	25134	2.340	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	21337	2.256	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	24779	2.690	ug/L	95
64) 1,3-Dichlorobenzene	11.742	146	11685	2.411	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	12411	2.546	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	12078	2.482	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.990	75	2338	2.998	ug/L	88
69) 1,3,5-Trichlorobenzene	13.218	180	9010	2.399	ug/L	95
70) 1,2,4-trichlorobenzene	13.839	180	8725	2.600	ug/L	96
71) Naphthalene	14.086	128	23301	2.343	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	8728	2.654	ug/L	95

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

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