

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
 Data File : VU053595.D
 Acq On : 07 Apr 2023 11:54
 Operator : JC/MD
 Sample : 02215-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Quant Time: Apr 08 00:01:34 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	6.243	114	255572	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.413	117	237244	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	120841	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	96278	48.380	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.760%
7) Chloroethane-d5	1.909	69	79065	51.529	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.060%
11) 1,1-Dichloroethene-d2	2.565	63	115421	37.468	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.940%
21) 2-Butanone-d5	4.613	46	105567	117.166	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.170%
24) Chloroform-d	5.057	84	154535	46.954	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.900%
26) 1,2-Dichloroethane-d4	5.697	65	100521	51.688	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.380%
32) Benzene-d6	5.722	84	324493	50.671	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.340%
36) 1,2-Dichloropropane-d6	6.684	67	100301	51.243	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.480%
41) Toluene-d8	7.893	98	307056	48.242	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.480%
43) trans-1,3-Dichloroprop...	8.176	79	49604	49.095	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.180%
47) 2-Hexanone-d5	8.626	63	78270	117.166	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.170%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	140932	51.084	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.160%
66) 1,2-Dichlorobenzene-d4	12.188	152	118820	47.106	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	5505	2.654	ug/L	92
3) Chloromethane	1.520	50	5666	3.324	ug/L	95
5) Vinyl chloride	1.603	62	6597	3.340	ug/L #	64
6) Bromomethane	1.851	94	4350	3.026	ug/L	97
8) Chloroethane	1.931	64	3894	3.278	ug/L	90
9) Trichlorofluoromethane	2.137	101	8642	2.844	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	5465	3.106	ug/L #	81
12) 1,1-Dichloroethene	2.574	96	5120	3.265	ug/L #	1
13) Acetone	2.619	43	5599	6.915	ug/L	98
14) Carbon disulfide	2.787	76	11344	2.735	ug/L	96
15) Methyl Acetate	2.947	43	3829	3.087	ug/L	96
17) trans-1,2-Dichloroethene	3.349	96	4380	2.779	ug/L	88
18) Methyl tert-butyl Ether	3.359	73	12523	2.726	ug/L #	90
19) 1,1-Dichloroethane	3.867	63	8206	3.143	ug/L	90
20) cis-1,2-Dichloroethene	4.661	96	5200	2.856	ug/L	86
22) 2-Butanone	4.706	43	6664	6.793	ug/L	73
23) Bromochloromethane	4.970	128	2497	2.463	ug/L	84
25) Chloroform	5.082	83	10560	3.527	ug/L	98
27) 1,2-Dichloroethane	5.790	62	6017	2.744	ug/L #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	6621	2.899	ug/L #	91
30) 1,1,1-Trichloroethane	5.311	97	7555	2.890	ug/L	98
31) Carbon tetrachloride	5.520	117	5598	2.390	ug/L	89
33) Benzene	5.774	78	18121	2.932	ug/L	100
34) Trichloroethene	6.542	95	5165	2.763	ug/L	97
35) Methylcyclohexane	6.758	83	7138	2.597	ug/L	97
37) 1,2-Dichloropropane	6.787	63	4498	2.866	ug/L #	91
38) Bromodichloromethane	7.102	83	5818	2.779	ug/L	95
39) cis-1,3-Dichloropropene	7.603	75	7485	2.918	ug/L	97
40) 4-Methyl-2-pentanone	7.786	43	10772	6.316	ug/L	95
42) Toluene	7.967	91	18711	2.671	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	6999	2.887	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	5130	2.977	ug/L	95
46) Tetrachloroethene	8.545	164	3462	2.232	ug/L	89
48) 2-Hexanone	8.680	43	12597	9.130	ug/L #	95
49) Dibromochloromethane	8.806	129	4928	2.750	ug/L	98
50) 1,2-Dibromoethane	8.921	107	5414	2.808	ug/L #	94
51) Chlorobenzene	9.446	112	12970	2.687	ug/L	94
52) Ethylbenzene	9.568	91	20835	2.672	ug/L	98
53) m,p-Xylene	9.690	106	7387	2.422	ug/L	89
54) o-Xylene	10.098	106	7328	2.430	ug/L	87
55) Styrene	10.111	104	11970	2.437	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	7969	3.150	ug/L	92
59) Bromoform	10.288	173	3153	2.549	ug/L #	88
60) 1,2,3-Trichloropropane	10.819	75	6199	3.538	ug/L	96
61) Isopropylbenzene	10.481	105	19254	2.695	ug/L	99
62) 1,3,5-Trimethylbenzene	11.085	105	15430	2.598	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	14722	2.503	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	9975	2.672	ug/L	96
65) 1,4-Dichlorobenzene	11.831	146	10444	2.745	ug/L #	87
67) 1,2-Dichlorobenzene	12.208	146	10507	2.824	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.999	75	1217	2.605	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	6070	2.196	ug/L	92
70) 1,2,4-trichlorobenzene	13.838	180	6089	2.376	ug/L #	93
71) Naphthalene	14.085	128	19794	2.580	ug/L	97
72) 1,2,3-Trichlorobenzene	14.326	180	5861	2.289	ug/L	97

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

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