

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053534.D
 Acq On : 03 Apr 2023 20:48
 Operator : JC/MD
 Sample : 02158-04MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-10(20230329)MS

Quant Time: Apr 04 05:19:46 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	271553	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	259106	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	138444	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	97069	45.907	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.820%
7) Chloroethane-d5	1.909	69	78500	48.150	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.300%
11) 1,1-Dichloroethene-d2	2.565	63	152588	46.618	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.240%
21) 2-Butanone-d5	4.610	46	111144	116.096	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.100%
24) Chloroform-d	5.057	84	166455	47.600	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.697	65	103563	50.118	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.240%
32) Benzene-d6	5.722	84	334359	47.807	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.620%
36) 1,2-Dichloropropane-d6	6.684	67	101871	47.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.300%
41) Toluene-d8	7.893	98	322157	46.344	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.680%
43) trans-1,3-Dichloroprop...	8.176	79	53034	48.061	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.120%
47) 2-Hexanone-d5	8.626	63	87895	120.473	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.470%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	154551	51.294	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.580%
66) 1,2-Dichlorobenzene-d4	12.188	152	131584	45.534	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	98739	44.799	ug/L	100
3) Chloromethane	1.520	50	96823	53.461	ug/L	99
5) Vinyl chloride	1.600	62	111405	53.077	ug/L	99
6) Bromomethane	1.851	94	65439	42.849	ug/L	97
8) Chloroethane	1.932	64	66020	52.298	ug/L	99
9) Trichlorofluoromethane	2.134	101	153271	47.477	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	85388	45.670	ug/L	93
12) 1,1-Dichloroethene	2.575	96	77392	46.446	ug/L	88
13) Acetone	2.616	43	66610	77.421	ug/L	97
14) Carbon disulfide	2.790	76	217111	49.257	ug/L	98
15) Methyl Acetate	2.941	43	72277	54.846	ug/L	94
16) Methylene chloride	3.041	84	89561	47.820	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	80691	48.185	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	256947	52.641	ug/L	100
19) 1,1-Dichloroethane	3.864	63	163194	58.830	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	101486	52.468	ug/L	92
22) 2-Butanone	4.694	43	101798	97.664	ug/L	94
23) Bromochloromethane	4.967	128	49706	46.135	ug/L	88
25) Chloroform	5.083	83	158041	49.672	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	118989	51.067	ug/L	97
29) Cyclohexane	5.385	56	125227	50.204	ug/L	95
30) 1,1,1-Trichloroethane	5.311	97	138188	48.402	ug/L	99
31) Carbon tetrachloride	5.520	117	118711	46.409	ug/L	99
33) Benzene	5.767	78	339742	50.326	ug/L	100
34) Trichloroethene	6.536	95	96288	47.158	ug/L	96
35) Methylcyclohexane	6.758	83	143049	47.663	ug/L	98
37) 1,2-Dichloropropane	6.783	63	85781	50.043	ug/L	99
38) Bromodichloromethane	7.099	83	112397	49.151	ug/L	96
39) cis-1,3-Dichloropropene	7.600	75	138505	49.446	ug/L	99
40) 4-Methyl-2-pentanone	7.783	43	208212	111.776	ug/L	99
42) Toluene	7.963	91	387520	50.654	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	135583	51.201	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	92368	49.080	ug/L	97
46) Tetrachloroethene	8.549	164	78633	46.409	ug/L	97
48) 2-Hexanone	8.677	43	163107	108.246	ug/L	99
49) Dibromochloromethane	8.806	129	90297	46.143	ug/L	99
50) 1,2-Dibromoethane	8.918	107	103361	49.089	ug/L	99
51) Chlorobenzene	9.443	112	249383	47.311	ug/L	96
52) Ethylbenzene	9.565	91	410588	48.212	ug/L	100
53) m,p-Xylene	9.690	106	162384	48.753	ug/L	99
54) o-xylene	10.095	106	158465	48.120	ug/L	97
55) Styrene	10.108	104	263815	49.184	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	146849	53.144	ug/L	97
59) Bromoform	10.285	173	65861	46.477	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	114472	57.025	ug/L	98
61) Isopropylbenzene	10.481	105	410001	50.090	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	345716	50.809	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	344038	51.050	ug/L	97
64) 1,3-Dichlorobenzene	11.741	146	197111	46.086	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	207188	47.531	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	198565	46.582	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	30941	57.818	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	128691	40.632	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	198134	67.474	ug/L	99
71) Naphthalene	14.082	128	429425	48.858	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	133717	45.591	ug/L	99

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

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