

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053535.D
 Acq On : 03 Apr 2023 21:11
 Operator : JC/MD
 Sample : 02158-05MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Apr 04 05:19:57 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	255745	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	241710	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	131396	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	98503	49.464	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 98.920%			
7) Chloroethane-d5	1.909	69	78630	51.211	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.420%			
11) 1,1-Dichloroethene-d2	2.565	63	148906	48.305	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.620%			
21) 2-Butanone-d5	4.613	46	115210	127.782	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 127.780%			
24) Chloroform-d	5.057	84	169552	51.482	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.960%			
26) 1,2-Dichloroethane-d4	5.697	65	104229	53.559	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.120%			
32) Benzene-d6	5.722	84	333558	51.125	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.240%			
36) 1,2-Dichloropropane-d6	6.684	67	103526	51.913	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.820%			
41) Toluene-d8	7.893	98	321285	49.545	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.100%			
43) trans-1,3-Dichloroprop...	8.176	79	53643	52.111	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 104.220%			
47) 2-Hexanone-d5	8.626	63	88606	130.188	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 130.190%#			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	157401	56.000	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 112.000%			
66) 1,2-Dichlorobenzene-d4	12.188	152	131011	47.767	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	100739	48.532	ug/L	98
3) Chloromethane	1.520	50	94898	55.637	ug/L	97
5) Vinyl chloride	1.604	62	111851	56.584	ug/L	100
6) Bromomethane	1.848	94	68422	47.571	ug/L	99
8) Chloroethane	1.928	64	64925	54.610	ug/L	94
9) Trichlorofluoromethane	2.134	101	151641	49.876	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	83526	47.436	ug/L	95
12) 1,1-Dichloroethene	2.575	96	77851	49.610	ug/L	92
13) Acetone	2.616	43	63886	78.844	ug/L	98
14) Carbon disulfide	2.790	76	219414	52.856	ug/L	98
15) Methyl Acetate	2.941	43	71385	57.517	ug/L	95
16) Methylene chloride	3.041	84	88653	50.261	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	81532	51.697	ug/L	94
18) Methyl tert-butyl Ether	3.356	73	252049	54.830	ug/L	99
19) 1,1-Dichloroethane	3.864	63	159895	61.204	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	99444	54.590	ug/L	92
22) 2-Butanone	4.694	43	103604	105.541	ug/L	96
23) Bromochloromethane	4.970	128	49356	48.641	ug/L	92
25) Chloroform	5.083	83	159470	53.220	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	117033	53.332	ug/L	96
29) Cyclohexane	5.385	56	124512	53.510	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	136498	51.251	ug/L	99
31) Carbon tetrachloride	5.520	117	120715	50.588	ug/L	99
33) Benzene	5.767	78	340074	54.001	ug/L	100
34) Trichloroethene	6.536	95	96037	50.421	ug/L	95
35) Methylcyclohexane	6.758	83	143879	51.389	ug/L	98
37) 1,2-Dichloropropane	6.783	63	87467	54.699	ug/L	98
38) Bromodichloromethane	7.102	83	114260	53.562	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	138361	52.949	ug/L	97
40) 4-Methyl-2-pentanone	7.783	43	209408	120.509	ug/L	99
42) Toluene	7.963	91	383774	53.774	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	138560	56.091	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	91625	52.189	ug/L	97
46) Tetrachloroethene	8.549	164	79046	50.010	ug/L	94
48) 2-Hexanone	8.677	43	164058	116.714	ug/L	99
49) Dibromochloromethane	8.803	129	90098	49.355	ug/L	95
50) 1,2-Dibromoethane	8.918	107	100997	51.419	ug/L #	99
51) Chlorobenzene	9.443	112	248680	50.573	ug/L	94
52) Ethylbenzene	9.565	91	415325	52.278	ug/L	100
53) m,p-Xylene	9.690	106	162421	52.274	ug/L	99
54) o-xylene	10.095	106	158226	51.506	ug/L	93
55) Styrene	10.108	104	263232	52.608	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	147044	57.045	ug/L	98
59) Bromoform	10.285	173	65969	49.051	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	114192	59.937	ug/L	99
61) Isopropylbenzene	10.481	105	415918	53.539	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	347285	53.777	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	347758	54.370	ug/L	97
64) 1,3-Dichlorobenzene	11.741	146	199244	49.084	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	209802	50.712	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	199504	49.313	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	31714	62.441	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	131243	43.661	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	187668	67.338	ug/L	97
71) Naphthalene	14.082	128	462578	55.453	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	139520	50.121	ug/L	97

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

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