

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051421\
 Data File : VU043744.D
 Acq On : 14 May 2021 10:32
 Operator : SY/MD
 Sample : M2250-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2021-05

Quant Time: May 14 14:41:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 14 04:42:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.257	114	461970	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.424	117	443444	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	211210	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	174264	45.56	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.12%		
7) Chloroethane-d5	1.909	69	130207	47.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.68%		
11) 1,1-Dichloroethene-d2	2.572	63	232894	35.76	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.52%		
21) 2-Butanone-d5	4.626	46	312776	104.53	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.53%		
24) Chloroform-d	5.070	84	305087	47.01	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.02%		
26) 1,2-Dichloroethane-d4	5.710	65	195311	48.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.08%		
32) Benzene-d6	5.736	84	648287	49.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.66%		
36) 1,2-Dichloropropane-d6	6.697	67	212839	49.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.30%		
41) Toluene-d8	7.903	98	564967	47.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.54%		
43) trans-1,3-Dichloroprop...	8.186	79	88822	47.39	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.78%		
47) 2-Hexanone-d5	8.639	63	204607	99.68	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.68%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	311816	48.07	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.14%		
66) 1,2-Dichlorobenzene-d4	12.198	152	217557	52.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.38%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.389	85	8494	2.18	ug/L	96
3) Chloromethane	1.524	50	11947	2.54	ug/L	97
5) Vinyl chloride	1.607	62	10829	2.37	ug/L #	72
6) Bromomethane	1.852	94	6242	2.80	ug/L	100
8) Chloroethane	1.932	64	6060	2.34	ug/L	95
9) Trichlorofluoromethane	2.141	101	11726	2.27	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	9915	2.93	ug/L	86
12) 1,1-Dichloroethene	2.585	96	9374	2.81	ug/L #	1
13) Acetone	2.630	43	12324	5.90	ug/L	97
14) Carbon disulfide	2.800	76	23226	2.21	ug/L	96
15) Methyl Acetate	2.954	43	11898	2.51	ug/L	97
16) Methylene chloride	3.054	84	11580	2.32	ug/L	96
17) trans-1,2-Dichloroethene	3.363	96	7655	2.22	ug/L	93
18) Methyl tert-butyl Ether	3.372	73	22947	2.19	ug/L	100
19) 1,1-Dichloroethane	3.877	63	14975	2.22	ug/L	98
20) cis-1,2-Dichloroethene	4.675	96	8555	2.25	ug/L	98
22) 2-Butanone	4.710	43	15689	4.56	ug/L	96
23) Bromochloromethane	4.980	128	4872	2.36	ug/L	88
25) Chloroform	5.096	83	16397	2.48	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	12197	2.40	ug/L	100
29) Cyclohexane	5.395	56	12076	2.05	ug/L	97
30) 1,1,1-Trichloroethane	5.327	97	11680	2.19	ug/L	98
31) Carbon tetrachloride	5.533	117	9337	2.13	ug/L	99
33) Benzene	5.781	78	35081	2.34	ug/L	100
34) Trichloroethene	6.549	95	8104	2.22	ug/L	93
35) Methylcyclohexane	6.768	83	12182	2.11	ug/L	98
37) 1,2-Dichloropropane	6.800	63	9431	2.30	ug/L #	97
38) Bromodichloromethane	7.112	83	10355	2.14	ug/L	96
39) cis-1,3-Dichloropropene	7.613	75	12191	2.18	ug/L	93
40) 4-Methyl-2-pentanone	7.797	43	25170	4.08	ug/L	97
42) Toluene	7.977	91	43010	2.74	ug/L	99
44) trans-1,3-Dichloropropene	8.215	75	11841	2.25	ug/L	96
45) 1,1,2-Trichloroethane	8.404	97	8455	2.24	ug/L	98
46) Tetrachloroethene	8.559	164	6833	2.38	ug/L	98
48) 2-Hexanone	8.691	43	29841	6.03	ug/L	98
49) Dibromochloromethane	8.813	129	8540	2.21	ug/L	92
50) 1,2-Dibromoethane	8.928	107	8703	2.22	ug/L	94
51) Chlorobenzene	9.453	112	21820	2.25	ug/L	98
52) Ethylbenzene	9.575	91	33255	2.06	ug/L	99
53) m,p-Xylene	9.700	106	12365	2.02	ug/L	99
54) o-xylene	10.105	106	11908	1.97	ug/L	88
55) Styrene	10.118	104	18203	1.78	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	16155	2.35	ug/L #	92
59) Bromoform	10.295	173	6343	2.30	ug/L #	97
60) 1,2,3-Trichloropropane	10.829	75	12454	2.53	ug/L	99
61) Isopropylbenzene	10.491	105	27381	1.98	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	21464	1.87	ug/L	98
63) 1,2,4-Trimethylbenzene	11.472	105	20820	1.81	ug/L	99
64) 1,3-Dichlorobenzene	11.752	146	14927	2.22	ug/L	95
65) 1,4-Dichlorobenzene	11.842	146	16290	2.38	ug/L	96
67) 1,2-Dichlorobenzene	12.218	146	16528	2.37	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	3138	2.33	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.224	180	11234	2.26	ug/L	98
70) 1,2,4-trichlorobenzene	13.848	180	8873	2.09	ug/L	96
71) Naphthalene	14.095	128	25535	1.80	ug/L	99
72) 1,2,3-Trichlorobenzene	14.337	180	9061	2.03	ug/L	97

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

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