

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021721\
 Data File : VU042333.D
 Acq On : 17 Feb 2021 19:03
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 2/19/2021 2:41:38 PM

Quant Time: Feb 19 11:12:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 19 11:07:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.382	168	131281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	202781	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	182745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	89552	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	104054	52.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.52%	
35) Dibromofluoromethane	5.298	113	71655	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
50) Toluene-d8	7.906	98	253976	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	10.642	95	90668	44.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.76%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	772	0.49	ug/l	93
3) Chloromethane	1.523	50	877	0.54	ug/l	93
4) Vinyl Chloride	1.610	62	778	0.50	ug/l	97
5) Bromomethane	1.867	94	856	0.90	ug/l #	71
6) Chloroethane	1.938	64	533	0.60	ug/l	98
7) Trichlorofluoromethane	2.144	101	1055	0.44	ug/l	100
8) Diethyl Ether	2.378	74	362	0.48	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.594	101	467	0.38	ug/l #	88
10) Methyl Iodide	2.732	142	685	0.39	ug/l #	89
11) Tert butyl alcohol	3.256	59	1177m	2.77	ug/l	
12) 1,1-Dichloroethene	2.584	96	481	0.40	ug/l	87
13) Acrolein	2.504	56	585	2.25	ug/l #	73
14) Allyl chloride	2.931	41	1068	0.40	ug/l #	81
15) Acrylonitrile	3.330	53	2127	2.07	ug/l	95
16) Acetone	2.655	43	2652	2.15	ug/l	94
17) Carbon Disulfide	2.800	76	1883	0.52	ug/l #	74
18) Methyl Acetate	2.960	43	1011	0.45	ug/l #	55
19) Methyl tert-butyl Ether	3.382	73	2032	0.44	ug/l	93
20) Methylene Chloride	3.060	84	830	0.58	ug/l	90
21) trans-1,2-Dichloroethene	3.366	96	599	0.46	ug/l #	80
22) Diisopropyl ether	4.005	45	2143	0.42	ug/l #	74
23) Vinyl Acetate	3.973	43	9965	2.06	ug/l #	93
24) 1,1-Dichloroethane	3.877	63	1113	0.42	ug/l #	84
25) 2-Butanone	4.726	43	3502	2.13	ug/l	95
26) 2,2-Dichloropropane	4.671	77	1125	0.47	ug/l #	68
27) cis-1,2-Dichloroethene	4.671	96	642m	0.43	ug/l	
28) Bromochloromethane	4.989	49	593	0.43	ug/l #	77
29) Tetrahydrofuran	5.076	42	2478	2.43	ug/l #	87
30) Chloroform	5.099	83	1314	0.49	ug/l	99
31) Cyclohexane	5.378	56	4130	1.58	ug/l #	41
32) 1,1,1-Trichloroethane	5.327	97	982	0.40	ug/l #	44
36) 1,1-Dichloropropene	5.533	75	833	0.42	ug/l #	82
37) Ethyl Acetate	4.829	43	1614m	0.52	ug/l	
38) Carbon Tetrachloride	5.542	117	819	0.38	ug/l #	81
39) Methylcyclohexane	6.774	83	1015	0.44	ug/l #	87
40) Benzene	5.783	78	2737	0.49	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.992	41	741	0.46	ug/l #	59
42) 1,2-Dichloroethane	5.806	62	1327	0.54	ug/l #	79
43) Isopropyl Acetate	5.928	43	1827	0.40	ug/l #	77
44) Trichloroethene	6.549	130	552	0.37	ug/l	73
45) 1,2-Dichloropropane	6.800	63	615	0.39	ug/l #	68
46) Dibromomethane	6.925	93	445	0.41	ug/l	85
47) Bromodichloromethane	7.115	83	976	0.46	ug/l #	95
48) Methyl methacrylate	6.976	41	1017	0.45	ug/l #	78
49) 1,4-Dioxane	7.031	88	201	4.62	ug/l #	61
51) 4-Methyl-2-Pentanone	7.806	43	6907	2.23	ug/l	99
52) Toluene	7.973	92	1521	0.44	ug/l	91
53) t-1,3-Dichloropropene	8.217	75	1048	0.45	ug/l #	74
54) cis-1,3-Dichloropropene	7.610	75	921	0.37	ug/l	95
55) 1,1,2-Trichloroethane	8.404	97	628	0.44	ug/l #	80
56) Ethyl methacrylate	8.346	69	983	0.40	ug/l	92
57) 1,3-Dichloropropane	8.581	76	951	0.38	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.468	63	1302	1.56	ug/l	92
59) 2-Hexanone	8.700	43	5396	2.18	ug/l	91
60) Dibromochloromethane	8.816	129	637	0.38	ug/l	94
61) 1,2-Dibromoethane	8.931	107	683	0.42	ug/l	95
64) Tetrachloroethene	8.558	164	589	0.43	ug/l #	75
65) Chlorobenzene	9.452	112	1574	0.43	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.542	131	505	0.36	ug/l #	61
67) Ethyl Benzene	9.578	91	2915	0.44	ug/l	99
68) m/p-Xylenes	9.700	106	2239	0.92	ug/l	98
69) o-Xylene	10.108	106	976	0.41	ug/l	82
70) Styrene	10.121	104	1577	0.40	ug/l	93
71) Bromoform	10.298	173	447	0.33	ug/l #	99
73) Isopropylbenzene	10.494	105	2783	0.47	ug/l	98
74) N-amyl acetate	10.333	43	1464	0.43	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	10.793	83	1242	0.55	ug/l #	85
76) 1,2,3-Trichloropropane	10.832	75	1180m	0.53	ug/l	
77) Bromobenzene	10.793	156	780	0.49	ug/l	98
78) n-propylbenzene	10.912	91	3070	0.44	ug/l	92
79) 2-Chlorotoluene	10.995	91	2174	0.51	ug/l	85
80) 1,3,5-Trimethylbenzene	11.098	105	2253	0.44	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.561	75	262m	0.32	ug/l	
82) 4-Chlorotoluene	11.102	91	2265	0.46	ug/l	95
83) tert-Butylbenzene	11.426	119	2088	0.42	ug/l	93
84) 1,2,4-Trimethylbenzene	11.478	105	2301	0.45	ug/l	96
85) sec-Butylbenzene	11.648	105	2544	0.43	ug/l	97
86) p-Isopropyltoluene	11.803	119	2374	0.44	ug/l	89
87) 1,3-Dichlorobenzene	11.754	146	1265	0.46	ug/l	94
88) 1,4-Dichlorobenzene	11.844	146	1560m	0.55	ug/l	
89) n-Butylbenzene	12.217	91	1998	0.42	ug/l	94
90) Hexachloroethane	12.478	117	281m	0.29	ug/l	
91) 1,2-Dichlorobenzene	12.224	146	1400	0.50	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	13.005	75	229	0.37	ug/l #	62
93) 1,2,4-Trichlorobenzene	13.847	180	861	0.49	ug/l	93
94) Hexachlorobutadiene	14.031	225	408	0.42	ug/l	78
95) Naphthalene	14.095	128	1473	0.29	ug/l #	79
96) 1,2,3-Trichlorobenzene	14.336	180	684	0.40	ug/l #	80

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

