

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021721\
 Data File : VU042332.D
 Acq On : 17 Feb 2021 18:40
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2021 2:41:32 PM

Quant Time: Feb 19 11:07:15 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	132697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	206574	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	185836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	89074	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	103883	51.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.24%	
35) Dibromofluoromethane	5.298	113	71061	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.48%	
50) Toluene-d8	7.906	98	253717	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	10.639	95	92356	44.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	695	0.43	ug/l	96
3) Chloromethane	1.523	50	984	0.60	ug/l	91
4) Vinyl Chloride	1.607	62	727	0.46	ug/l #	84
5) Bromomethane	1.861	94	812	0.84	ug/l	95
6) Chloroethane	1.938	64	565	0.63	ug/l #	84
7) Trichlorofluoromethane	2.141	101	1163	0.48	ug/l	87
8) Diethyl Ether	2.382	74	316	0.41	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.584	101	596	0.48	ug/l #	83
10) Methyl Iodide	2.732	142	860	0.48	ug/l #	89
11) Tert butyl alcohol	3.250	59	1509m	3.51	ug/l	
12) 1,1-Dichloroethene	2.588	96	463	0.38	ug/l #	77
13) Acrolein	2.504	56	553	2.10	ug/l #	70
14) Allyl chloride	2.932	41	1290	0.48	ug/l	94
15) Acrylonitrile	3.337	53	2248	2.17	ug/l	97
16) Acetone	2.649	43	3322	2.66	ug/l	92
17) Carbon Disulfide	2.800	76	2203	0.60	ug/l	95
18) Methyl Acetate	2.964	43	1185	0.52	ug/l #	67
19) Methyl tert-butyl Ether	3.379	73	2290	0.49	ug/l	98
20) Methylene Chloride	3.054	84	881	0.61	ug/l	87
21) trans-1,2-Dichloroethene	3.366	96	670	0.51	ug/l	92
22) Diisopropyl ether	4.009	45	2348	0.46	ug/l #	94
23) Vinyl Acetate	3.970	43	11407	2.33	ug/l #	95
24) 1,1-Dichloroethane	3.874	63	1261	0.47	ug/l #	84
25) 2-Butanone	4.729	43	3930	2.37	ug/l	100
26) 2,2-Dichloropropane	4.684	77	1155	0.48	ug/l #	68
27) cis-1,2-Dichloroethene	4.671	96	716	0.47	ug/l	99
28) Bromochloromethane	4.973	49	583	0.42	ug/l #	39
29) Tetrahydrofuran	5.076	42	2603	2.52	ug/l	91
30) Chloroform	5.099	83	1490	0.55	ug/l	89
31) Cyclohexane	5.385	56	4456	1.69	ug/l #	35
32) 1,1,1-Trichloroethane	5.324	97	1083m	0.44	ug/l	
36) 1,1-Dichloropropene	5.533	75	939	0.46	ug/l	87
37) Ethyl Acetate	4.819	43	1788	0.56	ug/l #	71
38) Carbon Tetrachloride	5.539	117	941	0.43	ug/l	93
39) Methylcyclohexane	6.777	83	1040	0.44	ug/l #	79
40) Benzene	5.784	78	2449	0.43	ug/l #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.986	41	738	0.45	ug/l #	47
42) 1,2-Dichloroethane	5.809	62	1521	0.61	ug/l #	79
43) Isopropyl Acetate	5.925	43	2164	0.46	ug/l #	85
44) Trichloroethene	6.549	130	783	0.51	ug/l	67
45) 1,2-Dichloropropane	6.800	63	592	0.37	ug/l #	43
46) Dibromomethane	6.931	93	473	0.43	ug/l	92
47) Bromodichloromethane	7.118	83	973	0.45	ug/l #	76
48) Methyl methacrylate	6.970	41	942	0.41	ug/l #	88
49) 1,4-Dioxane	7.009	88	318m	7.17	ug/l	
51) 4-Methyl-2-Pentanone	7.809	43	7646	2.42	ug/l	96
52) Toluene	7.980	92	1728	0.49	ug/l	98
53) t-1,3-Dichloropropene	8.221	75	918	0.38	ug/l #	71
54) cis-1,3-Dichloropropene	7.613	75	1070	0.42	ug/l	96
55) 1,1,2-Trichloroethane	8.411	97	661	0.45	ug/l #	89
56) Ethyl methacrylate	8.343	69	1155	0.46	ug/l #	93
57) 1,3-Dichloropropane	8.587	76	1271	0.49	ug/l #	80
58) 2-Chloroethyl Vinyl ether	7.472	63	1121	1.32	ug/l	98
59) 2-Hexanone	8.700	43	6005	2.38	ug/l	96
60) Dibromochloromethane	8.819	129	719	0.42	ug/l	90
61) 1,2-Dibromoethane	8.935	107	656	0.39	ug/l	85
64) Tetrachloroethene	8.558	164	683	0.49	ug/l #	82
65) Chlorobenzene	9.456	112	1897	0.51	ug/l	90
66) 1,1,1,2-Tetrachloroethane	9.546	131	652	0.46	ug/l #	64
67) Ethyl Benzene	9.578	91	3011	0.45	ug/l #	88
68) m/p-Xylenes	9.700	106	2397	0.97	ug/l	86
69) o-Xylene	10.108	106	1081	0.45	ug/l	82
70) Styrene	10.121	104	1862	0.46	ug/l	94
71) Bromoform	10.295	173	503	0.37	ug/l #	85
73) Isopropylbenzene	10.491	105	2872	0.48	ug/l	99
74) N-amyl acetate	10.330	43	1705	0.50	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.790	83	1036	0.46	ug/l #	93
76) 1,2,3-Trichloropropane	10.835	75	1288m	0.58	ug/l	
77) Bromobenzene	10.790	156	871	0.55	ug/l	96
78) n-propylbenzene	10.915	91	3633	0.53	ug/l	96
79) 2-Chlorotoluene	10.992	91	2147	0.51	ug/l	91
80) 1,3,5-Trimethylbenzene	11.095	105	2451	0.48	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.558	75	273m	0.34	ug/l	
82) 4-Chlorotoluene	11.108	91	2931	0.60	ug/l	89
83) tert-Butylbenzene	11.430	119	2619	0.53	ug/l	98
84) 1,2,4-Trimethylbenzene	11.475	105	2504	0.49	ug/l	98
85) sec-Butylbenzene	11.652	105	2883	0.50	ug/l	95
86) p-Isopropyltoluene	11.799	119	2580	0.48	ug/l	98
87) 1,3-Dichlorobenzene	11.758	146	1468	0.53	ug/l	97
88) 1,4-Dichlorobenzene	11.841	146	1666m	0.59	ug/l	
89) n-Butylbenzene	12.217	91	2249	0.48	ug/l	94
90) Hexachloroethane	12.484	117	313	0.33	ug/l	67
91) 1,2-Dichlorobenzene	12.217	146	1510	0.54	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	13.008	75	165	0.27	ug/l	78
93) 1,2,4-Trichlorobenzene	13.848	180	964	0.55	ug/l	89
94) Hexachlorobutadiene	14.034	225	386	0.40	ug/l #	69
95) Naphthalene	14.102	128	2547	0.51	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.336	180	888	0.52	ug/l	89

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

