

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021721\
 Data File : VU042334.D
 Acq On : 17 Feb 2021 19:26
 Operator : SY/MD
 Sample : MDL08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL08

Manual Integrations
 APPROVED

MMDadoda
 2/19/2021 2:41:43 PM

Quant Time: Feb 19 11:15:50 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	5.385	168	132745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	206911	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	187971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	95131	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	106436	52.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.74%	
35) Dibromofluoromethane	5.298	113	73885	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
50) Toluene-d8	7.906	98	258161	49.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	10.639	95	94684	45.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.86%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.388	85	3732	2.33	ug/l	91
3) Chloromethane	1.523	50	4614	2.82	ug/l	96
4) Vinyl Chloride	1.607	62	3947	2.52	ug/l	99
5) Bromomethane	1.855	94	2648	2.75	ug/l	90
6) Chloroethane	1.935	64	2596	2.88	ug/l	96
7) Trichlorofluoromethane	2.141	101	6417	2.67	ug/l	99
8) Diethyl Ether	2.382	74	2031	2.66	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.588	101	3289	2.62	ug/l	98
10) Methyl Iodide	2.729	142	3606	2.01	ug/l	96
11) Tert butyl alcohol	3.195	59	6808	15.83	ug/l #	91
12) 1,1-Dichloroethene	2.588	96	3039	2.48	ug/l #	94
13) Acrolein	2.494	56	3722	14.13	ug/l	94
14) Allyl chloride	2.932	41	7235	2.67	ug/l	96
15) Acrylonitrile	3.324	53	12679	12.21	ug/l	95
16) Acetone	2.636	43	13505	10.82	ug/l	97
17) Carbon Disulfide	2.800	76	9372	2.55	ug/l	99
18) Methyl Acetate	2.957	43	5963	2.63	ug/l	96
19) Methyl tert-butyl Ether	3.375	73	12041	2.60	ug/l	98
20) Methylene Chloride	3.054	84	3925	2.73	ug/l	98
21) trans-1,2-Dichloroethene	3.363	96	3410	2.60	ug/l	96
22) Diisopropyl ether	4.006	45	13546	2.63	ug/l	94
23) Vinyl Acetate	3.967	43	59709	12.21	ug/l	98
24) 1,1-Dichloroethane	3.880	63	7112	2.66	ug/l	97
25) 2-Butanone	4.719	43	20311	12.23	ug/l	96
26) 2,2-Dichloropropane	4.671	77	6042	2.49	ug/l	96
27) cis-1,2-Dichloroethene	4.678	96	3920	2.58	ug/l	99
28) Bromochloromethane	4.986	49	3623	2.63	ug/l #	96
29) Tetrahydrofuran	5.060	42	13442	13.02	ug/l	98
30) Chloroform	5.099	83	7111	2.62	ug/l	97
31) Cyclohexane	5.388	56	9611	3.65	ug/l #	76
32) 1,1,1-Trichloroethane	5.324	97	6784	2.74	ug/l	88
36) 1,1-Dichloropropene	5.533	75	4996	2.44	ug/l	96
37) Ethyl Acetate	4.816	43	8365	2.63	ug/l #	91
38) Carbon Tetrachloride	5.533	117	5271	2.41	ug/l	92
39) Methylcyclohexane	6.768	83	5858	2.48	ug/l	96
40) Benzene	5.784	78	14461	2.51	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.983	41	4215	2.57	ug/l	97
42) 1,2-Dichloroethane	5.803	62	6995	2.79	ug/l	96
43) Isopropyl Acetate	5.925	43	11365	2.43	ug/l	99
44) Trichloroethene	6.555	130	3913	2.55	ug/l	91
45) 1,2-Dichloropropane	6.800	63	3965	2.48	ug/l	99
46) Dibromomethane	6.925	93	2700	2.43	ug/l	96
47) Bromodichloromethane	7.115	83	5537	2.54	ug/l	97
48) Methyl methacrylate	6.967	41	5790	2.50	ug/l	98
49) 1,4-Dioxane	6.993	88	2399	54.03	ug/l #	92
51) 4-Methyl-2-Pentanone	7.803	43	37563	11.87	ug/l	96
52) Toluene	7.977	92	9278	2.62	ug/l	93
53) t-1,3-Dichloropropene	8.218	75	5147	2.15	ug/l	97
54) cis-1,3-Dichloropropene	7.613	75	5533	2.17	ug/l	92
55) 1,1,2-Trichloroethane	8.411	97	3918	2.66	ug/l	93
56) Ethyl methacrylate	8.343	69	5768	2.28	ug/l	97
57) 1,3-Dichloropropane	8.584	76	6529	2.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.472	63	7810	9.19	ug/l	99
59) 2-Hexanone	8.694	43	30135	11.92	ug/l	97
60) Dibromochloromethane	8.816	129	3877	2.26	ug/l	93
61) 1,2-Dibromoethane	8.931	107	4076	2.43	ug/l	96
64) Tetrachloroethene	8.562	164	3780	2.67	ug/l	92
65) Chlorobenzene	9.456	112	9189	2.44	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.542	131	3577	2.49	ug/l	96
67) Ethyl Benzene	9.578	91	16430	2.42	ug/l	97
68) m/p-Xylenes	9.700	106	12197	4.87	ug/l	97
69) o-Xylene	10.108	106	5991	2.44	ug/l	97
70) Styrene	10.121	104	9108	2.23	ug/l	99
71) Bromoform	10.301	173	3082	2.23	ug/l #	95
73) Isopropylbenzene	10.491	105	16086	2.53	ug/l	100
74) N-amyl acetate	10.327	43	8818	2.43	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.790	83	6290	2.61	ug/l	96
76) 1,2,3-Trichloropropane	10.832	75	6050m	2.57	ug/l	
77) Bromobenzene	10.790	156	4327	2.55	ug/l	98
78) n-propylbenzene	10.912	91	17473	2.38	ug/l	99
79) 2-Chlorotoluene	10.993	91	11480	2.56	ug/l	97
80) 1,3,5-Trimethylbenzene	11.095	105	13474	2.47	ug/l	96
81) trans-1,4-Dichloro-2-b...	10.552	75	1704	1.97	ug/l #	79
82) 4-Chlorotoluene	11.102	91	12856	2.46	ug/l	98
83) tert-Butylbenzene	11.427	119	13507	2.56	ug/l	97
84) 1,2,4-Trimethylbenzene	11.475	105	12940	2.37	ug/l	97
85) sec-Butylbenzene	11.648	105	14837	2.39	ug/l	98
86) p-Isopropyltoluene	11.800	119	13234	2.31	ug/l	96
87) 1,3-Dichlorobenzene	11.755	146	7264	2.48	ug/l	98
88) 1,4-Dichlorobenzene	11.845	146	7712	2.57	ug/l	87
89) n-Butylbenzene	12.214	91	10697	2.12	ug/l	99
90) Hexachloroethane	12.484	117	2125	2.09	ug/l	96
91) 1,2-Dichlorobenzene	12.221	146	7322	2.45	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	13.009	75	1711	2.59	ug/l	83
93) 1,2,4-Trichlorobenzene	13.848	180	3907	2.10	ug/l	95
94) Hexachlorobutadiene	14.031	225	2628	2.52	ug/l	95
95) Naphthalene	14.095	128	8750	1.64	ug/l	97
96) 1,2,3-Trichlorobenzene	14.343	180	3860	2.12	ug/l	95

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

