

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022021\
 Data File : VU042372.D
 Acq On : 19 Feb 2021 19:22
 Operator : SY/MD
 Sample : MDL13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL13

Manual Integrations
 APPROVED

MMDadoda
 2/22/2021 12:34:15 PM

Quant Time: Feb 20 01:55:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 20 01:54:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.385	168	137050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	217649	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	198222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	97623	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	113052	54.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.78%	
35) Dibromofluoromethane	5.298	113	77960	50.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.50%	
50) Toluene-d8	7.906	98	273629	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	10.639	95	99714	45.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.96%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.388	85	4296	2.60	ug/l	99
3) Chloromethane	1.523	50	4608	2.73	ug/l	98
4) Vinyl Chloride	1.607	62	4107	2.54	ug/l	100
5) Bromomethane	1.861	94	3089	3.10	ug/l	94
6) Chloroethane	1.938	64	2764	2.97	ug/l	98
7) Trichlorofluoromethane	2.144	101	6624	2.67	ug/l	97
8) Diethyl Ether	2.385	74	2293	2.91	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.588	101	3472	2.68	ug/l	92
10) Methyl Iodide	2.732	142	4116	2.23	ug/l #	94
11) Tert butyl alcohol	3.237	59	6932m	15.61	ug/l	
12) 1,1-Dichloroethene	2.588	96	3111	2.46	ug/l	98
13) Acrolein	2.494	56	3683	13.54	ug/l	100
14) Allyl chloride	2.932	41	7251	2.59	ug/l	98
15) Acrylonitrile	3.327	53	13087	12.20	ug/l	98
16) Acetone	2.646	43	14086	10.93	ug/l	96
17) Carbon Disulfide	2.800	76	9598	2.53	ug/l	99
18) Methyl Acetate	2.964	43	5795	2.48	ug/l	96
19) Methyl tert-butyl Ether	3.375	73	12491	2.61	ug/l	92
20) Methylene Chloride	3.054	84	4103	2.76	ug/l	94
21) trans-1,2-Dichloroethene	3.363	96	3453	2.55	ug/l #	89
22) Diisopropyl ether	4.002	45	13744	2.59	ug/l #	84
23) Vinyl Acetate	3.967	43	62904	12.46	ug/l	100
24) 1,1-Dichloroethane	3.877	63	7162	2.60	ug/l #	94
25) 2-Butanone	4.723	43	20108	11.73	ug/l	96
26) 2,2-Dichloropropane	4.678	77	6298	2.52	ug/l	98
27) cis-1,2-Dichloroethene	4.678	96	4036	2.57	ug/l	99
28) Bromochloromethane	4.986	49	3520	2.47	ug/l #	99
29) Tetrahydrofuran	5.070	42	13263	12.45	ug/l	98
30) Chloroform	5.099	83	7344	2.62	ug/l	99
31) Cyclohexane	5.391	56	10299	3.78	ug/l #	82
32) 1,1,1-Trichloroethane	5.324	97	6711	2.63	ug/l	98
36) 1,1-Dichloropropene	5.536	75	5184	2.41	ug/l	98
37) Ethyl Acetate	4.819	43	7182	2.15	ug/l #	90
38) Carbon Tetrachloride	5.530	117	5594	2.43	ug/l	97
39) Methylcyclohexane	6.771	83	6098	2.45	ug/l	96
40) Benzene	5.784	78	15401	2.55	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.980	41	3911	2.27	ug/l	93
42) 1,2-Dichloroethane	5.803	62	7056	2.68	ug/l	94
43) Isopropyl Acetate	5.925	43	11810	2.40	ug/l	98
44) Trichloroethene	6.552	130	3795	2.36	ug/l	87
45) 1,2-Dichloropropane	6.800	63	3840	2.29	ug/l	92
46) Dibromomethane	6.928	93	2919	2.49	ug/l	91
47) Bromodichloromethane	7.115	83	5503	2.40	ug/l	98
48) Methyl methacrylate	6.973	41	5982	2.46	ug/l	100
49) 1,4-Dioxane	7.006	88	2183m	46.74	ug/l	
51) 4-Methyl-2-Pentanone	7.803	43	39143	11.76	ug/l	99
52) Toluene	7.977	92	9803	2.63	ug/l	93
53) t-1,3-Dichloropropene	8.218	75	5703	2.26	ug/l	93
54) cis-1,3-Dichloropropene	7.616	75	5685	2.12	ug/l	92
55) 1,1,2-Trichloroethane	8.407	97	3858	2.49	ug/l	97
56) Ethyl methacrylate	8.343	69	6211	2.34	ug/l	98
57) 1,3-Dichloropropane	8.584	76	6810	2.51	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.472	63	8084	9.04	ug/l	96
59) 2-Hexanone	8.697	43	30955	11.64	ug/l	96
60) Dibromochloromethane	8.816	129	4287	2.37	ug/l	99
61) 1,2-Dibromoethane	8.931	107	4263	2.42	ug/l	100
64) Tetrachloroethene	8.562	164	3658	2.45	ug/l	93
65) Chlorobenzene	9.452	112	10054	2.53	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.542	131	3549	2.34	ug/l	92
67) Ethyl Benzene	9.578	91	18181	2.54	ug/l	98
68) m/p-Xylenes	9.700	106	12802	4.84	ug/l	97
69) o-Xylene	10.108	106	5954	2.30	ug/l	89
70) Styrene	10.124	104	9998	2.32	ug/l	97
71) Bromoform	10.298	173	3082	2.11	ug/l #	98
73) Isopropylbenzene	10.491	105	16951	2.60	ug/l	98
74) N-amyl acetate	10.330	43	9019	2.43	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.790	83	6568	2.65	ug/l	99
76) 1,2,3-Trichloropropane	10.832	75	6526m	2.70	ug/l	
77) Bromobenzene	10.790	156	4711	2.70	ug/l	96
78) n-propylbenzene	10.912	91	18768	2.49	ug/l	100
79) 2-Chlorotoluene	10.993	91	12200	2.65	ug/l	98
80) 1,3,5-Trimethylbenzene	11.095	105	14323	2.56	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.555	75	1774	2.00	ug/l	89
82) 4-Chlorotoluene	11.105	91	13327	2.48	ug/l	100
83) tert-Butylbenzene	11.430	119	14182	2.62	ug/l	100
84) 1,2,4-Trimethylbenzene	11.475	105	13428	2.40	ug/l	100
85) sec-Butylbenzene	11.652	105	15228	2.39	ug/l	99
86) p-Isopropyltoluene	11.803	119	13485	2.29	ug/l	98
87) 1,3-Dichlorobenzene	11.751	146	7711	2.56	ug/l	99
88) 1,4-Dichlorobenzene	11.845	146	8104	2.63	ug/l	91
89) n-Butylbenzene	12.218	91	10999	2.13	ug/l	97
90) Hexachloroethane	12.484	117	2244	2.15	ug/l	95
91) 1,2-Dichlorobenzene	12.221	146	8144	2.66	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	13.005	75	1466	2.16	ug/l	94
93) 1,2,4-Trichlorobenzene	13.848	180	3687	1.93	ug/l	91
94) Hexachlorobutadiene	14.031	225	2629	2.46	ug/l	96
95) Naphthalene	14.095	128	8787	1.60	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.340	180	3558	1.91	ug/l	98

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

