

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021821\
 Data File : VU042347.D
 Acq On : 18 Feb 2021 13:35
 Operator : SY/MD
 Sample : MDL010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL010

Manual Integrations
 APPROVED

MMDadoda
 2/19/2021 2:46:25 PM

Quant Time: Feb 19 10:53:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 19 10:36:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.385	168	125059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	196217	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.426	117	178628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	88798	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	101852	53.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.40%	
35) Dibromofluoromethane	5.298	113	69235	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
50) Toluene-d8	7.906	98	247972	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	10.642	95	91280	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.388	85	3542	2.35	ug/l	89
3) Chloromethane	1.523	50	4049	2.63	ug/l	94
4) Vinyl Chloride	1.607	62	3799	2.58	ug/l	94
5) Bromomethane	1.861	94	3030	3.34	ug/l	96
6) Chloroethane	1.935	64	2491	2.93	ug/l	99
7) Trichlorofluoromethane	2.141	101	6059	2.68	ug/l	97
8) Diethyl Ether	2.382	74	2015	2.80	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.587	101	3240	2.74	ug/l	89
10) Methyl Iodide	2.732	142	3535	2.10	ug/l	97
11) Tert butyl alcohol	3.263	59	8006m	19.76	ug/l	
12) 1,1-Dichloroethene	2.587	96	2895	2.51	ug/l	97
13) Acrolein	2.497	56	3292	13.27	ug/l	89
14) Allyl chloride	2.932	41	6703	2.62	ug/l	99
15) Acrylonitrile	3.333	53	12722	13.00	ug/l	99
16) Acetone	2.655	43	13757	11.69	ug/l	97
17) Carbon Disulfide	2.800	76	8807	2.54	ug/l	98
18) Methyl Acetate	2.964	43	5921	2.77	ug/l	93
19) Methyl tert-butyl Ether	3.375	73	11845	2.71	ug/l	98
20) Methylene Chloride	3.057	84	4070	3.00	ug/l	92
21) trans-1,2-Dichloroethene	3.362	96	3584	2.90	ug/l	84
22) Diisopropyl ether	4.002	45	12345	2.55	ug/l #	79
23) Vinyl Acetate	3.970	43	57794	12.54	ug/l	99
24) 1,1-Dichloroethane	3.877	63	7057	2.80	ug/l #	92
25) 2-Butanone	4.729	43	18945	12.11	ug/l	95
26) 2,2-Dichloropropane	4.671	77	6259	2.74	ug/l	88
27) cis-1,2-Dichloroethene	4.674	96	3744	2.62	ug/l	94
28) Bromochloromethane	4.983	49	3430	2.64	ug/l #	98
29) Tetrahydrofuran	5.070	42	13558	13.94	ug/l	96
30) Chloroform	5.099	83	7044	2.75	ug/l	98
31) Cyclohexane	5.394	56	8860	3.57	ug/l #	85
32) 1,1,1-Trichloroethane	5.324	97	6140	2.64	ug/l	96
36) 1,1-Dichloropropene	5.536	75	4843	2.50	ug/l	99
37) Ethyl Acetate	4.822	43	7520	2.49	ug/l #	91
38) Carbon Tetrachloride	5.536	117	4867	2.35	ug/l	91
39) Methylcyclohexane	6.771	83	5901	2.63	ug/l	91
40) Benzene	5.784	78	13819	2.53	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.989	41	3816	2.46	ug/l	98
42) 1,2-Dichloroethane	5.806	62	6181	2.60	ug/l	96
43) Isopropyl Acetate	5.925	43	11259	2.54	ug/l #	98
44) Trichloroethene	6.549	130	3836	2.64	ug/l	96
45) 1,2-Dichloropropane	6.800	63	3738	2.47	ug/l	95
46) Dibromomethane	6.928	93	2737	2.59	ug/l	94
47) Bromodichloromethane	7.115	83	5247	2.53	ug/l	94
48) Methyl methacrylate	6.970	41	5814	2.65	ug/l	95
49) 1,4-Dioxane	7.021	88	2164	51.39	ug/l #	93
51) 4-Methyl-2-Pentanone	7.806	43	37713	12.57	ug/l	99
52) Toluene	7.980	92	8709	2.59	ug/l	94
53) t-1,3-Dichloropropene	8.217	75	5352	2.35	ug/l	96
54) cis-1,3-Dichloropropene	7.616	75	5624	2.33	ug/l	98
55) 1,1,2-Trichloroethane	8.407	97	3737	2.68	ug/l	86
56) Ethyl methacrylate	8.343	69	5541	2.31	ug/l	90
57) 1,3-Dichloropropane	8.584	76	6156	2.52	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.472	63	7936	9.84	ug/l	96
59) 2-Hexanone	8.700	43	29455	12.29	ug/l	99
60) Dibromochloromethane	8.819	129	3639	2.23	ug/l	98
61) 1,2-Dibromoethane	8.934	107	4143	2.61	ug/l	97
64) Tetrachloroethene	8.562	164	3338	2.48	ug/l	95
65) Chlorobenzene	9.455	112	9082	2.54	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.542	131	3241	2.38	ug/l	90
67) Ethyl Benzene	9.578	91	15809	2.45	ug/l	99
68) m/p-Xylenes	9.700	106	11685	4.91	ug/l	99
69) o-Xylene	10.105	106	5974	2.56	ug/l	99
70) Styrene	10.121	104	9119	2.35	ug/l	98
71) Bromoform	10.301	173	2817	2.14	ug/l #	98
73) Isopropylbenzene	10.491	105	15441	2.61	ug/l	99
74) N-amyl acetate	10.330	43	8037	2.38	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.793	83	6224	2.76	ug/l	98
76) 1,2,3-Trichloropropane	10.832	75	5552m	2.53	ug/l	
77) Bromobenzene	10.790	156	4291	2.71	ug/l	97
78) n-propylbenzene	10.915	91	17587	2.57	ug/l	99
79) 2-Chlorotoluene	10.992	91	11120	2.65	ug/l	100
80) 1,3,5-Trimethylbenzene	11.095	105	13302	2.61	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.555	75	1609	1.99	ug/l	82
82) 4-Chlorotoluene	11.105	91	12596	2.58	ug/l	98
83) tert-Butylbenzene	11.426	119	12813	2.60	ug/l	98
84) 1,2,4-Trimethylbenzene	11.475	105	13206	2.59	ug/l	96
85) sec-Butylbenzene	11.651	105	14325	2.47	ug/l	97
86) p-Isopropyltoluene	11.799	119	12877	2.40	ug/l	97
87) 1,3-Dichlorobenzene	11.754	146	7036	2.57	ug/l	99
88) 1,4-Dichlorobenzene	11.844	146	7611	2.72	ug/l	89
89) n-Butylbenzene	12.217	91	10560	2.24	ug/l	99
90) Hexachloroethane	12.484	117	2061	2.17	ug/l	94
91) 1,2-Dichlorobenzene	12.221	146	7468	2.68	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	13.005	75	1351	2.19	ug/l	92
93) 1,2,4-Trichlorobenzene	13.851	180	3393	1.96	ug/l	85
94) Hexachlorobutadiene	14.031	225	2551	2.62	ug/l	98
95) Naphthalene	14.095	128	8549	1.72	ug/l	99
96) 1,2,3-Trichlorobenzene	14.339	180	3559	2.10	ug/l	96

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

