

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041221\
 Data File : VU043015.D
 Acq On : 12 Apr 2021 10:57
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/13/2021 5:47:02 PM

Quant Time: Apr 12 12:09:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 12:08:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.382	168	119613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	183986	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	172622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	96633	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	37733	20.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.72%	
35) Dibromofluoromethane	5.295	113	26296	20.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.58%	
50) Toluene-d8	7.906	98	92215	19.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.56%	
62) 4-Bromofluorobenzene	10.639	95	33523	18.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.28%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	23895	17.18	ug/l	100
3) Chloromethane	1.523	50	26492	18.27	ug/l	98
4) Vinyl Chloride	1.607	62	25664	18.53	ug/l	100
5) Bromomethane	1.851	94	15407	18.08	ug/l	100
6) Chloroethane	1.932	64	17795	21.50	ug/l	97
7) Trichlorofluoromethane	2.138	101	44596	20.63	ug/l	97
8) Diethyl Ether	2.382	74	14191	20.49	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.588	101	23172	20.50	ug/l	98
10) Methyl Iodide	2.729	142	29788	18.65	ug/l	98
11) Tert butyl alcohol	3.192	59	46919m	113.79	ug/l	
12) 1,1-Dichloroethene	2.584	96	21469	19.53	ug/l	96
13) Acrolein	2.491	56	30781	120.13	ug/l	99
14) Allyl chloride	2.928	41	49154	20.06	ug/l	97
15) Acrylonitrile	3.321	53	102200	106.77	ug/l	98
16) Acetone	2.633	43	116631	102.15	ug/l	99
17) Carbon Disulfide	2.800	76	62537	18.92	ug/l	100
18) Methyl Acetate	2.954	43	46533	22.14	ug/l	98
19) Methyl tert-butyl Ether	3.372	73	84027	20.02	ug/l	96
20) Methylene Chloride	3.054	84	25742	19.70	ug/l	96
21) trans-1,2-Dichloroethene	3.359	96	23361	19.67	ug/l	93
22) Diisopropyl ether	4.002	45	96338	20.49	ug/l	96
23) Vinyl Acetate	3.964	43	468645	104.63	ug/l	100
24) 1,1-Dichloroethane	3.877	63	48919	20.20	ug/l	100
25) 2-Butanone	4.710	43	169013	109.46	ug/l	99
26) 2,2-Dichloropropane	4.674	77	42324	19.30	ug/l	99
27) cis-1,2-Dichloroethene	4.674	96	28527	20.70	ug/l	99
28) Bromochloromethane	4.983	49	25864	20.97	ug/l	99
29) Tetrahydrofuran	5.057	42	102895	106.95	ug/l	99
30) Chloroform	5.096	83	52091	20.98	ug/l	98
31) Cyclohexane	5.398	56	45690	19.13	ug/l	96
32) 1,1,1-Trichloroethane	5.324	97	45498	20.21	ug/l	99
36) 1,1-Dichloropropene	5.533	75	35935	19.47	ug/l	99
37) Ethyl Acetate	4.809	43	60283	20.77	ug/l	98
38) Carbon Tetrachloride	5.533	117	40273	20.45	ug/l	99
39) Methylcyclohexane	6.771	83	39635	18.69	ug/l	96
40) Benzene	5.784	78	105799	20.38	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.980	41	31907	21.29	ug/l	98
42) 1,2-Dichloroethane	5.803	62	47910	21.06	ug/l	98
43) Isopropyl Acetate	5.919	43	86597	20.29	ug/l	98
44) Trichloroethene	6.549	130	26468	19.29	ug/l	98
45) 1,2-Dichloropropane	6.800	63	28368	19.63	ug/l	97
46) Dibromomethane	6.925	93	20656	20.57	ug/l	96
47) Bromodichloromethane	7.112	83	40461	20.49	ug/l	97
48) Methyl methacrylate	6.967	41	42964	20.31	ug/l	95
49) 1,4-Dioxane	6.983	88	18339	445.74	ug/l #	99
51) 4-Methyl-2-Pentanone	7.800	43	310109	105.53	ug/l	99
52) Toluene	7.976	92	65102	20.26	ug/l	97
53) t-1,3-Dichloropropene	8.218	75	43280	19.86	ug/l	99
54) cis-1,3-Dichloropropene	7.613	75	44724	19.45	ug/l	94
55) 1,1,2-Trichloroethane	8.407	97	27378	20.49	ug/l	100
56) Ethyl methacrylate	8.340	69	43202	18.88	ug/l	97
57) 1,3-Dichloropropane	8.584	76	48113	20.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.472	63	81394	104.48	ug/l	100
59) 2-Hexanone	8.694	43	256352	108.26	ug/l	99
60) Dibromochloromethane	8.816	129	31612	20.24	ug/l	97
61) 1,2-Dibromoethane	8.931	107	30575	20.02	ug/l	100
64) Tetrachloroethene	8.562	164	23405	18.11	ug/l	97
65) Chlorobenzene	9.452	112	70085	20.13	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.539	131	28201	21.25	ug/l	96
67) Ethyl Benzene	9.578	91	125176	19.90	ug/l	98
68) m/p-Xylenes	9.700	106	96515	41.34	ug/l	99
69) o-Xylene	10.108	106	45195	19.81	ug/l	99
70) Styrene	10.121	104	75607	19.79	ug/l	99
71) Bromoform	10.298	173	26265	20.45	ug/l #	99
73) Isopropylbenzene	10.491	105	125487	19.47	ug/l	98
74) N-amyl acetate	10.327	43	76069	20.47	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.790	83	52298	20.97	ug/l	98
76) 1,2,3-Trichloropropane	10.832	75	49654m	20.19	ug/l	
77) Bromobenzene	10.790	156	33889	19.65	ug/l	97
78) n-propylbenzene	10.912	91	148283	19.78	ug/l	100
79) 2-Chlorotoluene	10.992	91	88820	19.39	ug/l	99
80) 1,3,5-Trimethylbenzene	11.095	105	109094	19.52	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.552	75	17093	19.14	ug/l	93
82) 4-Chlorotoluene	11.102	91	106251	19.86	ug/l	99
83) tert-Butylbenzene	11.427	119	105771	19.63	ug/l	100
84) 1,2,4-Trimethylbenzene	11.475	105	112767	20.16	ug/l	98
85) sec-Butylbenzene	11.648	105	124925	19.69	ug/l	100
86) p-Isopropyltoluene	11.800	119	115767	19.74	ug/l	100
87) 1,3-Dichlorobenzene	11.751	146	60210	20.03	ug/l	98
88) 1,4-Dichlorobenzene	11.845	146	61864	20.01	ug/l	99
89) n-Butylbenzene	12.214	91	104725	20.11	ug/l	98
90) Hexachloroethane	12.481	117	21012	20.23	ug/l	100
91) 1,2-Dichlorobenzene	12.221	146	61882	20.23	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	13.005	75	15057	21.91	ug/l	97
93) 1,2,4-Trichlorobenzene	13.848	180	40990	21.75	ug/l	99
94) Hexachlorobutadiene	14.028	225	21895	20.63	ug/l	98
95) Naphthalene	14.095	128	114353	21.10	ug/l	99
96) 1,2,3-Trichlorobenzene	14.340	180	38801	20.98	ug/l	99

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

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