

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052121\
 Data File : VN067157.D
 Acq On : 21 May 2021 14:24
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:52:40 PM

Quant Time: May 21 16:24:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 16:23:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.597	168	286326	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.525	114	531693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	441951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.301	152	139849	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.00	ug/l	
Spiked Amount	50.000	Range	61 - 141	Recovery	=	0.00%#
35) Dibromofluoromethane	0.000	113	0d	0.00	ug/l	
Spiked Amount	50.000	Range	69 - 133	Recovery	=	0.00%#
50) Toluene-d8	0.000	98	0d	0.00	ug/l	
Spiked Amount	50.000	Range	65 - 126	Recovery	=	0.00%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.00	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	=	0.00%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.852	85	2765	0.98	ug/l	95
3) Chloromethane	2.056	50	4890	1.39	ug/l	97
4) Vinyl Chloride	2.185	62	3785	1.11	ug/l	# 88
6) Chloroethane	2.675	64	2010	1.01	ug/l	# 85
7) Trichlorofluoromethane	2.989	101	4427	1.03	ug/l	98
8) Diethyl Ether	3.370	74	2235	1.21	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.705	101	2786m	1.01	ug/l	
12) 1,1-Dichloroethene	3.695	96	3057m	1.07	ug/l	
14) Allyl chloride	4.260	41	6863	1.45	ug/l	# 89
15) Acrylonitrile	4.928	53	7105m	5.48	ug/l	
16) Acetone	3.772	43	8873	8.02	ug/l	94
17) Carbon Disulfide	4.000	76	9009	1.14	ug/l	98
18) Methyl Acetate	4.271	43	4507	1.39	ug/l	# 68
19) Methyl tert-butyl Ether	4.963	73	9356	1.07	ug/l	# 87
20) Methylene Chloride	4.483	84	5266	1.44	ug/l	93
21) trans-1,2-Dichloroethene	4.969	96	3393	1.12	ug/l	87
22) Diisopropyl ether	5.880	45	11476m	1.33	ug/l	
23) Vinyl Acetate	5.824	43	45637	5.97	ug/l	94
24) 1,1-Dichloroethane	5.757	63	6514m	1.16	ug/l	
25) 2-Butanone	6.771	43	11581	6.62	ug/l	# 79
26) 2,2-Dichloropropane	6.749	77	6116m	1.21	ug/l	
27) cis-1,2-Dichloroethene	6.752	96	3794	1.05	ug/l	76
28) Bromochloromethane	7.128	49	3220m	1.34	ug/l	
29) Tetrahydrofuran	7.136	42	8381m	7.69	ug/l	
30) Chloroform	7.299	83	6851	1.21	ug/l	96
32) 1,1,1-Trichloroethane	7.498	97	5488	1.09	ug/l	# 40
36) 1,1-Dichloropropene	7.726	75	4951	1.00	ug/l	89
37) Ethyl Acetate	6.862	43	4623m	1.00	ug/l	
38) Carbon Tetrachloride	7.699	117	5237	1.01	ug/l	93
39) Methylcyclohexane	9.018	83	5074	0.88	ug/l	89
40) Benzene	7.978	78	14646	0.97	ug/l	99
41) Methacrylonitrile	7.103	41	2681	1.41	ug/l	# 67
42) 1,2-Dichloroethane	8.058	62	4927	1.01	ug/l	# 73
43) Isopropyl Acetate	8.101	43	8970	1.17	ug/l	# 85
44) Trichloroethene	8.777	130	3040	0.74	ug/l	74
45) 1,2-Dichloropropane	9.061	63	4010	1.01	ug/l	# 83

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.152	93	2492	0.95	ug/l #	74
47) Bromodichloromethane	9.345	83	4818	0.89	ug/l	98
48) Methyl methacrylate	9.150	41	3743	1.15	ug/l #	62
49) 1,4-Dioxane	9.152	88	613m	11.68	ug/l	
51) 4-Methyl-2-Pentanone	9.933	43	18167	4.27	ug/l	93
52) Toluene	10.107	92	8472	0.88	ug/l	99
53) t-1,3-Dichloropropene	10.338	75	4575	0.79	ug/l	92
54) cis-1,3-Dichloropropene	9.783	75	5713	0.88	ug/l #	88
55) 1,1,2-Trichloroethane	10.509	97	3025	0.79	ug/l	90
56) Ethyl methacrylate	10.394	69	2832	0.54	ug/l #	68
57) 1,3-Dichloropropane	10.657	76	5489	0.89	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.651	63	2410	3.17	ug/l #	76
59) 2-Hexanone	10.751	43	4276m	1.57	ug/l	
60) Dibromochloromethane	10.853	129	2971	0.68	ug/l	92
61) 1,2-Dibromoethane	10.963	107	2534	0.65	ug/l	98
64) Tetrachloroethene	10.579	164	3015	0.81	ug/l	94
65) Chlorobenzene	11.384	112	8028	0.83	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.462	131	3033	0.79	ug/l #	65
67) Ethyl Benzene	11.467	91	13952	0.83	ug/l	90
68) m/p-Xylenes	11.577	106	8591	1.35	ug/l	96
69) o-Xylene	11.912	106	5182	0.81	ug/l	79
70) Styrene	11.944	104	5750m	0.57	ug/l	
71) Bromoform	12.095	173	1461m	0.50	ug/l	
73) Isopropylbenzene	12.210	105	11909	0.99	ug/l	81
75) 1,1,2,2-Tetrachloroethane	12.470	83	3968	1.06	ug/l #	92
76) 1,2,3-Trichloropropane	12.529	75	3863m	1.24	ug/l	
77) Bromobenzene	12.510	156	2228m	0.77	ug/l	
78) n-propylbenzene	12.561	91	10617	0.86	ug/l	90
79) 2-Chlorotoluene	12.644	91	8039m	0.99	ug/l	
80) 1,3,5-Trimethylbenzene	12.695	105	10621	1.06	ug/l	97
82) 4-Chlorotoluene	12.765	91	5732	0.80	ug/l	73
83) tert-Butylbenzene	12.953	119	11854	1.27	ug/l	89
84) 1,2,4-Trimethylbenzene	13.004	105	8481	0.92	ug/l	92
85) sec-Butylbenzene	13.130	105	9985	0.88	ug/l	94
86) p-Isopropyltoluene	13.256	119	7122	0.74	ug/l #	83
87) 1,3-Dichlorobenzene	13.248	146	3718	0.79	ug/l	98
88) 1,4-Dichlorobenzene	13.328	146	5439m	1.11	ug/l	
89) n-Butylbenzene	13.655	91	7177m	0.96	ug/l	
90) Hexachloroethane	13.832	117	2114	1.19	ug/l	52
91) 1,2-Dichlorobenzene	13.634	146	3358	0.69	ug/l	77
93) 1,2,4-Trichlorobenzene	14.911	180	1367m	0.57	ug/l	
94) Hexachlorobutadiene	14.972	225	1223	0.75	ug/l	80
95) Naphthalene	15.128	128	3053m	0.58	ug/l	
96) 1,2,3-Trichlorobenzene	15.291	180	1523m	0.68	ug/l	

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

