

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061621\
 Data File : VN067365.D
 Acq On : 16 Jun 2021 16:03
 Operator : JC/MD
 Sample : M2262-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 3:09:29 PM

Quant Time: Jun 17 04:19:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	64605	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	395432	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	346796	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	205226	30.23	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.77%			
60) 4-Bromofluorobenzene	12.734	95	185070	27.64	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.13%			
63) Toluene-d8	10.443	98	512755	31.00	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.33%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	11692	2.43	ug/l	98
3) Chloromethane	2.303	50	13166	2.55	ug/l	97
4) Vinyl Chloride	2.446	62	11475	2.25	ug/l	94
5) Bromomethane	2.853	94	7678m	3.00	ug/l	
6) Chloroethane	3.025	64	7718m	2.59	ug/l	
7) Trichlorofluoromethane	3.368	101	15778	2.32	ug/l	89
8) Diethyl Ether	3.816	74	6725m	2.42	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.205	101	10154m	2.52	ug/l	
10) 1,1-Dichloroethene	4.173	96	9368m	2.39	ug/l	
11) Methyl Iodide	4.417	142	7882m	1.67	ug/l	
12) Methyl Acetate	4.870	43	15558m	2.68	ug/l	
13) Acrolein	4.039	56	9405m	13.58	ug/l	
14) Acrylonitrile	5.557	53	28242	11.59	ug/l	94
15) Acetone	4.291	58	8396m	13.77	ug/l	
16) Carbon Disulfide	4.521	76	31356	2.53	ug/l	96
17) Allyl chloride	4.846	41	20825m	2.45	ug/l	
18) Methylene Chloride	5.090	84	14905	3.10	ug/l	87
19) trans-1,2-Dichloroethene	5.597	96	10721	2.51	ug/l	82
20) Diisopropyl ether	6.495	45	36923	2.23	ug/l #	90
21) 1,1-Dichloroethane	6.388	63	22075m	2.41	ug/l	
22) cis-1,2-Dichloroethene	7.324	96	12386m	2.44	ug/l	
23) tert-Butyl Alcohol	5.390	59	13131m	12.15	ug/l	
24) Methyl tert-Butyl Ether	5.621	73	38433	2.31	ug/l	98
25) Chloroform	7.818	83	22076	2.36	ug/l	95
26) Cyclohexane	8.094	56	21006	2.65	ug/l #	96
29) 1,1-Dichloropropene	8.220	75	16908	2.39	ug/l	69
30) 2-Butanone	7.348	43	44143	12.15	ug/l #	75
31) 2,2-Dichloropropane	7.324	77	21867	2.88	ug/l #	82
32) 1,1,1-Trichloroethane	8.016	97	19636	2.18	ug/l	98
33) Carbon Tetrachloride	8.204	117	15634m	2.07	ug/l	
34) Benzene	8.464	78	47175	2.37	ug/l #	67
35) Methacrylonitrile	7.638	41	9739m	2.49	ug/l	
36) 1,2-Dichloroethane	8.534	62	19253	2.27	ug/l #	85
37) Trichloroethene	9.215	130	11520	2.44	ug/l	92
38) Methylcyclohexane	9.459	83	20104	2.76	ug/l	97
39) 1,2-Dichloropropane	9.494	63	12747	2.37	ug/l	99
40) Dibromomethane	9.577	93	8182	2.22	ug/l	73
41) Bromodichloromethane	9.767	83	17523m	2.20	ug/l	
42) Vinyl Acetate	6.436	43	170670m	11.16	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.423	43	19408m	2.63	ug/l	
44) Isopropyl Acetate	8.566	43	31086	2.27	ug/l	91
45) 1,4-Dioxane	9.577	88	3990	44.85	ug/l #	85
46) Methyl methacrylate	9.564	41	12679	2.09	ug/l	93
47) n-amyl Acetate	12.390	43	22737	1.96	ug/l	96
48) t-1,3-Dichloropropene	10.722	75	18537	2.11	ug/l	90
49) cis-1,3-Dichloropropene	10.191	75	20571	2.33	ug/l #	91
50) 1,1,2-Trichloroethane	10.902	97	10720	2.24	ug/l	96
51) Ethyl methacrylate	10.765	69	18283	2.09	ug/l	94
52) 1,3-Dichloropropane	11.049	76	19478	2.23	ug/l	98
53) Dibromochloromethane	11.242	129	10233	1.92	ug/l	95
54) 1,2-Dibromoethane	11.350	107	10766	2.15	ug/l	99
55) 2-Chloroethyl vinyl ether	10.046	63	21112	9.51	ug/l	98
56) Bromoform	12.460	173	5530	1.53	ug/l #	90
58) 4-Methyl-2-Pentanone	10.336	43	85591	11.23	ug/l	100
59) 2-Hexanone	11.090	43	62005	11.25	ug/l	100
61) Tetrachloroethene	10.980	164	10480	2.61	ug/l	95
62) Toluene	10.508	91	50015	2.41	ug/l	100
64) Chlorobenzene	11.773	112	28217	2.31	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.846	131	10189	2.21	ug/l	93
66) Ethyl Benzene	11.849	91	56232	2.33	ug/l	96
67) m/p-Xylenes	11.956	106	39210	4.61	ug/l	100
68) o-Xylene	12.286	106	20141	2.37	ug/l	96
69) Styrene	12.299	104	30491	2.14	ug/l	99
70) Isopropylbenzene	12.583	105	50482	2.31	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	15233	2.29	ug/l #	97
72) 1,2,3-Trichloropropane	12.884	75	16599m	2.50	ug/l	
73) Bromobenzene	12.865	156	9814	2.16	ug/l	97
74) n-propylbenzene	12.924	91	60993	2.32	ug/l	98
75) 2-Chlorotoluene	13.013	91	36847	2.21	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	42718	2.31	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	4858	2.10	ug/l	81
78) 4-Chlorotoluene	13.106	91	37031	2.24	ug/l	99
79) tert-butylbenzene	13.326	119	33180	2.23	ug/l	95
80) 1,2,4-Trimethylbenzene	13.369	105	38774	2.12	ug/l #	65
81) sec-Butylbenzene	13.503	105	48552	2.35	ug/l	100
82) p-Isopropyltoluene	13.619	119	39143	2.35	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	19419	2.37	ug/l	93
84) 1,4-Dichlorobenzene	13.699	146	17499	2.13	ug/l	99
85) n-Butylbenzene	13.946	91	37706	2.43	ug/l	99
86) Hexachloroethane	14.214	117	6557	1.92	ug/l	93
87) 1,2-Dichlorobenzene	13.989	146	16832	2.10	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.608	75	3018	1.79	ug/l #	69
89) 1,2,4-Trichlorobenzene	15.271	180	7600	1.87	ug/l	95
90) Hexachlorobutadiene	15.375	225	4473	2.07	ug/l	95
91) Naphthalene	15.509	128	23809	1.74	ug/l	98
92) 1,2,3-Trichlorobenzene	15.708	180	7125	1.80	ug/l	84

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

