

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061621\
 Data File : VN067366.D
 Acq On : 16 Jun 2021 16:27
 Operator : JC/MD
 Sample : M2262-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 3:09:33 PM

Quant Time: Jun 17 04:20:21 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	63845	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	386964	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	344604	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	205628	30.65	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.17%			
60) 4-Bromofluorobenzene	12.736	95	184069	27.67	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.23%			
63) Toluene-d8	10.446	98	507399	30.87	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	23934	5.03	ug/l	94
3) Chloromethane	2.301	50	27158	5.32	ug/l	95
4) Vinyl Chloride	2.443	62	26294	5.22	ug/l	92
5) Bromomethane	2.845	94	13926	5.50	ug/l	98
6) Chloroethane	3.014	64	15342	5.21	ug/l	93
7) Trichlorofluoromethane	3.371	101	35466	5.27	ug/l	99
8) Diethyl Ether	3.821	74	14666m	5.35	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.194	101	21512m	5.40	ug/l	
10) 1,1-Dichloroethene	4.175	96	20330	5.26	ug/l	93
11) Methyl Iodide	4.411	142	17926m	3.85	ug/l	
12) Methyl Acetate	4.862	43	31470	5.49	ug/l	99
13) Acrolein	4.039	56	18669	27.27	ug/l	90
14) Acrylonitrile	5.559	53	65081	27.02	ug/l #	89
15) Acetone	4.296	58	17470m	29.00	ug/l	
16) Carbon Disulfide	4.521	76	65281	5.32	ug/l	96
17) Allyl chloride	4.833	41	45693	5.43	ug/l	98
18) Methylene Chloride	5.103	84	28219m	5.95	ug/l	
19) trans-1,2-Dichloroethene	5.594	96	23370	5.54	ug/l	92
20) Diisopropyl ether	6.506	45	86694	5.31	ug/l	96
21) 1,1-Dichloroethane	6.391	63	51726	5.72	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	26893	5.37	ug/l	97
23) tert-Butyl Alcohol	5.390	59	28801m	26.98	ug/l	
24) Methyl tert-Butyl Ether	5.626	73	87896	5.35	ug/l	92
25) Chloroform	7.820	83	49657	5.36	ug/l	95
26) Cyclohexane	8.096	56	44687	5.70	ug/l #	96
29) 1,1-Dichloropropene	8.225	75	35970	5.19	ug/l	98
30) 2-Butanone	7.343	43	94484	26.57	ug/l	99
31) 2,2-Dichloropropane	7.327	77	46784	6.31	ug/l	99
32) 1,1,1-Trichloroethane	8.011	97	45074	5.12	ug/l #	92
33) Carbon Tetrachloride	8.209	117	34718m	4.69	ug/l	
34) Benzene	8.464	78	103922	5.33	ug/l #	85
35) Methacrylonitrile	7.641	41	21321	5.56	ug/l	92
36) 1,2-Dichloroethane	8.536	62	43650m	5.27	ug/l	
37) Trichloroethene	9.218	130	24016	5.21	ug/l	99
38) Methylcyclohexane	9.459	83	42156	5.91	ug/l	98
39) 1,2-Dichloropropane	9.494	63	27705	5.27	ug/l	99
40) Dibromomethane	9.577	93	18203	5.04	ug/l	98
41) Bromodichloromethane	9.765	83	38240	4.91	ug/l	91
42) Vinyl Acetate	6.436	43	382428	25.56	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.421	43	43279m	5.98	ug/l	
44) Isopropyl Acetate	8.566	43	69833	5.22	ug/l #	89
45) 1,4-Dioxane	9.574	88	8765	100.67	ug/l #	88
46) Methyl methacrylate	9.564	41	29892	5.03	ug/l	99
47) n-amyl Acetate	12.390	43	51800	4.57	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	40795	4.74	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	45228	5.23	ug/l	95
50) 1,1,2-Trichloroethane	10.902	97	24589	5.24	ug/l	100
51) Ethyl methacrylate	10.765	69	42324	4.94	ug/l	97
52) 1,3-Dichloropropane	11.047	76	43663	5.11	ug/l	99
53) Dibromochloromethane	11.242	129	24188	4.64	ug/l	97
54) 1,2-Dibromoethane	11.350	107	24844	5.08	ug/l	100
55) 2-Chloroethyl vinyl ether	10.046	63	48445	22.30	ug/l	96
56) Bromoform	12.463	173	13654	3.86	ug/l #	97
58) 4-Methyl-2-Pentanone	10.336	43	196748	25.98	ug/l	99
59) 2-Hexanone	11.090	43	139631	25.49	ug/l	99
61) Tetrachloroethene	10.982	164	22292	5.58	ug/l	98
62) Toluene	10.510	91	111389	5.40	ug/l	98
64) Chlorobenzene	11.773	112	63178	5.21	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.846	131	21792	4.76	ug/l	96
66) Ethyl Benzene	11.849	91	127405	5.32	ug/l	98
67) m/p-Xylenes	11.956	106	84914	10.05	ug/l	97
68) o-Xylene	12.283	106	40863	4.85	ug/l	93
69) Styrene	12.296	104	67516	4.76	ug/l	100
70) Isopropylbenzene	12.583	105	113615	5.23	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	33592	5.08	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	33860m	5.14	ug/l	
73) Bromobenzene	12.865	156	21774	4.82	ug/l	96
74) n-propylbenzene	12.924	91	137655	5.27	ug/l	99
75) 2-Chlorotoluene	13.010	91	83407	5.04	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	93496	5.08	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	10417	4.54	ug/l	94
78) 4-Chlorotoluene	13.109	91	78646	4.78	ug/l	99
79) tert-butylbenzene	13.326	119	77788	5.26	ug/l	97
80) 1,2,4-Trimethylbenzene	13.372	105	89622	4.93	ug/l #	68
81) sec-Butylbenzene	13.506	105	108853	5.30	ug/l	100
82) p-Isopropyltoluene	13.619	119	83824	5.06	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	38286	4.70	ug/l	99
84) 1,4-Dichlorobenzene	13.699	146	37784	4.62	ug/l	99
85) n-Butylbenzene	13.946	91	84215	5.47	ug/l	98
86) Hexachloroethane	14.211	117	14897	4.40	ug/l	95
87) 1,2-Dichlorobenzene	13.991	146	37617	4.73	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.606	75	7317	4.37	ug/l	92
89) 1,2,4-Trichlorobenzene	15.265	180	16465	4.07	ug/l	98
90) Hexachlorobutadiene	15.375	225	9070	4.22	ug/l	97
91) Naphthalene	15.509	128	49147	3.62	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.705	180	15766	4.01	ug/l	98

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

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