

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067728.D
 Acq On : 13 Jul 2021 20:39
 Operator : JC/MD
 Sample : M2940-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:42:41 AM

Quant Time: Jul 14 01:21:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	63538	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	375428	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	341778	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	170311	33.178	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 110.600%#	
60) 4-Bromofluorobenzene	12.733	95	153780	27.705	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 92.367%	
63) Toluene-d8	10.443	98	494791	31.475	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.933%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	18332	5.646	ug/l	99
3) Chloromethane	2.301	50	24317	5.996	ug/l	99
4) Vinyl Chloride	2.443	62	38600	6.118	ug/l	100
5) Bromomethane	2.856	94	36963	7.036	ug/l	99
6) Chloroethane	3.017	64	29419	6.261	ug/l	99
7) Trichlorofluoromethane	3.371	101	73291	6.260	ug/l	97
8) Diethyl Ether	3.824	74	12461	5.722	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.199	101	18317	5.504	ug/l	66
10) 1,1-Dichloroethene	4.173	96	18142m	5.886	ug/l	
11) Methyl Iodide	4.414	142	18455m	4.529	ug/l	
12) Methyl Acetate	4.870	43	25446m	6.049	ug/l	
13) Acrolein	4.036	56	15398	34.944	ug/l #	43
14) Acrylonitrile	5.562	53	49937	26.996	ug/l	98
15) Acetone	4.288	58	12181	26.564	ug/l	94
16) Carbon Disulfide	4.524	76	45891	5.638	ug/l	99
17) Allyl chloride	4.838	41	28898	5.328	ug/l	97
18) Methylene Chloride	5.095	84	26195	6.141	ug/l	97
19) trans-1,2-Dichloroethene	5.589	96	19235	5.234	ug/l	97
20) Diisopropyl ether	6.501	45	65521	5.102	ug/l	96
21) 1,1-Dichloroethane	6.385	63	39046	5.527	ug/l	99
22) cis-1,2-Dichloroethene	7.324	96	24195	5.335	ug/l	97
23) tert-Butyl Alcohol	5.385	59	18291m	26.825	ug/l	
24) Methyl tert-Butyl Ether	5.618	73	67227	5.283	ug/l	100
25) Chloroform	7.820	83	42168	5.364	ug/l	98
26) Cyclohexane	8.094	56	33686	5.473	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	29992	5.092	ug/l	97
30) 2-Butanone	7.343	43	71216	26.108	ug/l #	77
31) 2,2-Dichloropropane	7.327	77	30030	4.570	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	35412	4.896	ug/l	98
33) Carbon Tetrachloride	8.204	117	30097	4.873	ug/l	88
34) Benzene	8.461	78	93075	5.286	ug/l #	84
35) Methacrylonitrile	7.640	41	14603	5.208	ug/l	97
36) 1,2-Dichloroethane	8.531	62	36477	5.565	ug/l #	87
37) Trichloroethene	9.215	130	23541	5.146	ug/l	100
38) Methylcyclohexane	9.461	83	33410	5.121	ug/l	97
39) 1,2-Dichloropropane	9.491	63	23510	5.236	ug/l	94
40) Dibromomethane	9.579	93	16672	5.163	ug/l	99
41) Bromodichloromethane	9.765	83	31258	4.932	ug/l	91
42) Vinyl Acetate	6.436	43	242417	22.339	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	27353	4.960	ug/l	94
44) Isopropyl Acetate	8.563	43	51336	5.127	ug/l	98
45) 1,4-Dioxane	9.577	88	7391	97.473	ug/l #	89
46) Methyl methacrylate	9.563	41	22402	5.183	ug/l	97
47) n-amyl Acetate	12.390	43	34332	4.177	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	29249	4.282	ug/l	95
49) cis-1,3-Dichloropropene	10.191	75	32941	4.543	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	22827	4.954	ug/l	97
51) Ethyl methacrylate	10.762	69	31630	4.414	ug/l	97
52) 1,3-Dichloropropane	11.047	76	37456	4.916	ug/l	99
53) Dibromochloromethane	11.240	129	20382	4.226	ug/l	98
54) 1,2-Dibromoethane	11.350	107	21886	4.605	ug/l	95
55) 2-Chloroethyl vinyl ether	10.043	63	27756	20.028	ug/l	99
56) Bromoform	12.457	173	11518	3.408	ug/l #	95
58) 4-Methyl-2-Pentanone	10.333	43	153921	26.228	ug/l	99
59) 2-Hexanone	11.087	43	104450	25.384	ug/l	99
61) Tetrachloroethene	10.979	164	23406	5.575	ug/l	95
62) Toluene	10.507	91	106053	5.275	ug/l	99
64) Chlorobenzene	11.773	112	61648	5.120	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.846	131	20566	4.636	ug/l	99
66) Ethyl Benzene	11.846	91	109761	4.934	ug/l	96
67) m/p-Xylenes	11.958	106	81904	9.653	ug/l	100
68) o-Xylene	12.283	106	39298	4.692	ug/l	97
69) Styrene	12.296	104	60943	4.400	ug/l	98
70) Isopropylbenzene	12.581	105	100550	4.652	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	30648	4.994	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	26203m	5.136	ug/l	
73) Bromobenzene	12.865	156	22378	4.504	ug/l	99
74) n-propylbenzene	12.924	91	115459	4.662	ug/l	97
75) 2-Chlorotoluene	13.010	91	70145	4.719	ug/l	99
76) 1,3,5-Trimethylbenzene	13.061	105	83004	4.664	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	5764	3.348	ug/l	89
78) 4-Chlorotoluene	13.109	91	67603	4.561	ug/l	99
79) tert-butylbenzene	13.326	119	67338	4.407	ug/l	96
80) 1,2,4-Trimethylbenzene	13.372	105	77671	4.395	ug/l #	81
81) sec-Butylbenzene	13.503	105	93949	4.432	ug/l	99
82) p-Isopropyltoluene	13.619	119	74007	4.195	ug/l	98
83) 1,3-Dichlorobenzene	13.621	146	39775	4.287	ug/l	97
84) 1,4-Dichlorobenzene	13.699	146	38877	4.302	ug/l	97
85) n-Butylbenzene	13.943	91	61835	4.225	ug/l	99
86) Hexachloroethane	14.211	117	11122	3.790	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	38409	4.336	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.608	75	4677	4.260	ug/l	94
89) 1,2,4-Trichlorobenzene	15.268	180	15506	3.840	ug/l	97
90) Hexachlorobutadiene	15.370	225	8085	4.165	ug/l	92
91) Naphthalene	15.509	128	40007	3.487	ug/l	98
92) 1,2,3-Trichlorobenzene	15.700	180	14764	3.816	ug/l	97

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

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