

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067723.D
 Acq On : 13 Jul 2021 17:48
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:42:35 AM

Quant Time: Jul 14 01:09:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:07:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.656	128	110444	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	565119	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	565452	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	225654	25.567	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	85.233%	#	
60) 4-Bromofluorobenzene	12.733	95	275245	30.282	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.933%		
63) Toluene-d8	10.443	98	756903	29.222	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.067	85	828531	146.198	ug/l	97
3) Chloromethane	2.298	50	911818	128.911	ug/l	98
4) Vinyl Chloride	2.440	62	1369073	125.793	ug/l	99
5) Bromomethane	2.818	94	1046355	114.461	ug/l	98
6) Chloroethane	2.990	64	932978	116.209	ug/l	99
7) Trichlorofluoromethane	3.357	101	2445101	119.373	ug/l	98
8) Diethyl Ether	3.816	74	515078	136.069	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.194	101	805737	136.335	ug/l	97
10) 1,1-Dichloroethene	4.167	96	772270	140.268	ug/l	97
11) Methyl Iodide	4.411	142	1113881	156.332	ug/l	98
12) Methyl Acetate	4.854	43	1014926	137.689	ug/l	99
13) Acrolein	4.036	56	502488	589.503	ug/l #	44
14) Acrylonitrile	5.556	53	2382344	748.256	ug/l	99
15) Acetone	4.288	58	547840	637.460	ug/l	97
16) Carbon Disulfide	4.518	76	2090344	143.525	ug/l	98
17) Allyl chloride	4.832	41	1366829	145.557	ug/l	96
18) Methylene Chloride	5.087	84	953003	132.904	ug/l	94
19) trans-1,2-Dichloroethene	5.589	96	943405	146.358	ug/l	94
20) Diisopropyl ether	6.498	45	3163151	143.367	ug/l	94
21) 1,1-Dichloroethane	6.385	63	1713622	140.422	ug/l	99
22) cis-1,2-Dichloroethene	7.324	96	1134206	145.277	ug/l	94
23) tert-Butyl Alcohol	5.393	59	857477	686.136	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	3217123	145.963	ug/l	95
25) Chloroform	7.817	83	1903019	140.741	ug/l	99
26) Cyclohexane	8.094	56	1502195	140.753	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	1396100	159.125	ug/l	98
30) 2-Butanone	7.337	43	3271542	796.718	ug/l	98
31) 2,2-Dichloropropane	7.326	77	1580666	157.318	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	1717269	159.191	ug/l	97
33) Carbon Tetrachloride	8.206	117	1502665	163.324	ug/l	99
34) Benzene	8.458	78	4172662	158.253	ug/l #	95
35) Methacrylonitrile	7.640	41	687875	163.975	ug/l	98
36) 1,2-Dichloroethane	8.531	62	1473031	151.934	ug/l	97
37) Trichloroethene	9.217	130	1090644	158.125	ug/l	97
38) Methylcyclohexane	9.461	83	1543657	156.910	ug/l	98
39) 1,2-Dichloropropane	9.491	63	1054014	158.742	ug/l	100
40) Dibromomethane	9.579	93	770907	158.096	ug/l	93
41) Bromodichloromethane	9.764	83	1539779	162.984	ug/l	99
42) Vinyl Acetate	6.433	43	13895767	845.630	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	1346846	157.101	ug/l	96
44) Isopropyl Acetate	8.563	43	2392588	161.544	ug/l	99
45) 1,4-Dioxane	9.571	88	370096	3221.266	ug/l	97
46) Methyl methacrylate	9.563	41	1065104	164.978	ug/l	96
47) n-amyl Acetate	12.390	43	2130117	173.086	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	1765382	171.593	ug/l	95
49) cis-1,3-Dichloropropene	10.191	75	1832283	169.467	ug/l	94
50) 1,1,2-Trichloroethane	10.902	97	1121575	163.788	ug/l	97
51) Ethyl methacrylate	10.765	69	1831075	171.432	ug/l	92
52) 1,3-Dichloropropane	11.046	76	1822536	161.250	ug/l	98
53) Dibromochloromethane	11.242	129	1285223	176.781	ug/l	98
54) 1,2-Dibromoethane	11.349	107	1174724	164.997	ug/l	98
55) 2-Chloroethyl vinyl ether	10.043	63	1976075	885.612	ug/l	98
56) Bromoform	12.460	173	981430	192.855	ug/l #	100
58) 4-Methyl-2-Pentanone	10.336	43	7514092	784.161	ug/l	96
59) 2-Hexanone	11.089	43	5316412	786.771	ug/l	96
61) Tetrachloroethene	10.979	164	1057477	151.282	ug/l	94
62) Toluene	10.507	91	5029095	153.205	ug/l	98
64) Chlorobenzene	11.773	112	3162977	159.788	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	1217767	165.401	ug/l	99
66) Ethyl Benzene	11.846	91	5764553	158.663	ug/l	99
67) m/p-Xylenes	11.956	106	4446440	319.936	ug/l	95
68) o-Xylene	12.283	106	2214882	161.199	ug/l	96
69) Styrene	12.296	104	3771517	167.360	ug/l	99
70) Isopropylbenzene	12.580	105	5685553	160.453	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.830	83	1621974	161.568	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	1287361m	150.073	ug/l	
73) Bromobenzene	12.862	156	1383626	169.888	ug/l	90
74) n-propylbenzene	12.924	91	6460169	159.994	ug/l	97
75) 2-Chlorotoluene	13.010	91	3841508	158.435	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	4678904	159.652	ug/l	98
77) t-1,4-Dichloro-2-butene	12.629	75	521705	179.810	ug/l	85
78) 4-Chlorotoluene	13.106	91	3882504	161.541	ug/l	97
79) tert-butylbenzene	13.326	119	4116267	165.726	ug/l	95
80) 1,2,4-Trimethylbenzene	13.369	105	4693410m	162.699	ug/l	
81) sec-Butylbenzene	13.503	105	5595550	162.288	ug/l	97
82) p-Isopropyltoluene	13.618	119	4865314	169.330	ug/l	97
83) 1,3-Dichlorobenzene	13.618	146	2578130	169.466	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	2499461	169.662	ug/l	99
85) n-Butylbenzene	13.946	91	4004127	168.182	ug/l	98
86) Hexachloroethane	14.214	117	861821	175.663	ug/l	85
87) 1,2-Dichlorobenzene	13.991	146	2404679	167.052	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.605	75	305088	167.367	ug/l #	82
89) 1,2,4-Trichlorobenzene	15.265	180	1297227	191.316	ug/l	98
90) Hexachlorobutadiene	15.372	225	525735	162.901	ug/l	95
91) Naphthalene	15.507	128	3661825	197.320	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	1223082	189.575	ug/l	99

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

