

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
 Data File : VN066135.D
 Acq On : 5 Mar 2021 15:12
 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
 3/8/2021 10:53:39 AM

Quant Time: Mar 05 15:29:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 05 14:59:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.167	128	41242	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.556	114	232250	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.379	117	228145	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.997	65	105478	35.20	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	117.33%#		
60) 4-Bromofluorobenzene	12.373	95	123937	33.14	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	110.47%		
63) Toluene-d8	10.061	98	295601	27.25	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	90.83%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.872	85	299532	125.51	ug/l	93
3) Chloromethane	2.074	50	394113	113.16	ug/l	99
4) Vinyl Chloride	2.206	62	457663	133.36	ug/l	98
5) Bromomethane	2.534	94	316029	149.57	ug/l	98
6) Chloroethane	2.692	64	270867	135.66	ug/l	100
7) Trichlorofluoromethane	3.013	101	678224	177.77	ug/l	97
8) Diethyl Ether	3.409	74	232655	139.95	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.749	101	279776	127.82	ug/l	94
10) 1,1-Dichloroethene	3.730	96	328551	139.21	ug/l	92
11) Methyl Iodide	3.946	142	540071	160.78	ug/l	90
12) Methyl Acetate	4.309	43	355507	126.28	ug/l	97
13) Acrolein	3.598	56	286873	742.48	ug/l	100
14) Acrylonitrile	4.962	53	885038	701.11	ug/l	100
15) Acetone	3.804	58	223817	593.84	ug/l #	60
16) Carbon Disulfide	4.042	76	972581	132.53	ug/l	98
17) Allyl chloride	4.309	41	593645	133.14	ug/l	94
18) Methylene Chloride	4.537	84	408949	145.92	ug/l	99
19) trans-1,2-Dichloroethene	5.020	96	377543	144.69	ug/l	93
20) Diisopropyl ether	5.926	45	1172134	131.55	ug/l	98
21) 1,1-Dichloroethane	5.820	63	717894	142.95	ug/l	99
22) cis-1,2-Dichloroethene	6.798	96	456507	151.60	ug/l	95
23) tert-Butyl Alcohol	4.772	59	382427	819.12	ug/l #	100
24) Methyl tert-Butyl Ether	5.020	73	1337001	163.27	ug/l	95
25) Chloroform	7.341	83	786081	167.79	ug/l	99
26) Cyclohexane	7.627	56	559949	123.27	ug/l #	99
29) 1,1-Dichloropropene	7.762	75	569743	152.82	ug/l	98
30) 2-Butanone	6.801	43	1110110	677.11	ug/l	100
31) 2,2-Dichloropropane	6.794	77	698279	171.44	ug/l	95
32) 1,1,1-Trichloroethane	7.540	97	709871	182.03	ug/l	99
33) Carbon Tetrachloride	7.746	117	622128	192.03	ug/l	99
34) Benzene	8.013	78	1703676	148.61	ug/l #	89
35) Methacrylonitrile	7.151	41	255441m	143.42	ug/l	
36) 1,2-Dichloroethane	8.093	62	684432	187.68	ug/l	96
37) Trichloroethene	8.807	130	462035	163.96	ug/l	92
38) Methylcyclohexane	9.052	83	610742	140.63	ug/l	99
39) 1,2-Dichloropropane	9.087	63	431097	140.22	ug/l	100
40) Dibromomethane	9.177	93	296535	163.95	ug/l	86
41) Bromodichloromethane	9.373	83	675640	181.40	ug/l	99
42) Vinyl Acetate	5.865	43	5021860	696.43	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.897	43	472208	141.19	ug/l	93
44) Isopropyl Acetate	8.132	43	877157m	149.20	ug/l	
45) 1,4-Dioxane	9.170	88	156821	3204.23	ug/l	97
46) Methyl methacrylate	9.167	41	425106	150.69	ug/l	94
47) n-amyl Acetate	12.042	43	767911	161.37	ug/l	97
48) t-1,3-Dichloropropene	10.351	75	796330	181.89	ug/l	96
49) cis-1,3-Dichloropropene	9.810	75	807373	165.18	ug/l	93
50) 1,1,2-Trichloroethane	10.534	97	428080	163.71	ug/l	99
51) Ethyl methacrylate	10.399	69	675939	163.07	ug/l	96
52) 1,3-Dichloropropane	10.675	76	748997	160.63	ug/l	99
53) Dibromochloromethane	10.875	129	534163	194.32	ug/l	99
54) 1,2-Dibromoethane	10.977	107	465180	175.41	ug/l	98
55) 2-Chloroethyl vinyl ether	9.666	63	1124716	637.58	ug/l	99
56) Bromoform	12.100	173	371568	212.04	ug/l #	97
58) 4-Methyl-2-Pentanone	9.952	43	2424194	659.29	ug/l	98
59) 2-Hexanone	10.723	43	1794854	689.12	ug/l	99
61) Tetrachloroethene	10.605	164	434855	143.31	ug/l	92
62) Toluene	10.125	91	1897951	144.05	ug/l	97
64) Chlorobenzene	11.405	112	1278378	162.17	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.479	131	480513	171.88	ug/l	97
66) Ethyl Benzene	11.482	91	2232375	156.54	ug/l	99
67) m/p-Xylenes	11.592	106	1754909	328.56	ug/l	97
68) o-Xylene	11.920	106	855958	164.45	ug/l	94
69) Styrene	11.936	104	1476747	175.07	ug/l	94
70) Isopropylbenzene	12.219	105	2247952	167.85	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.476	83	604865	155.27	ug/l	100
72) 1,2,3-Trichloropropane	12.524	75	605746m	160.16	ug/l	
73) Bromobenzene	12.495	156	552481	180.51	ug/l	81
74) n-propylbenzene	12.563	91	2568187	166.87	ug/l	99
75) 2-Chlorotoluene	12.646	91	1635225	174.31	ug/l	93
76) 1,3,5-Trimethylbenzene	12.704	105	2060028	181.24	ug/l	96
77) t-1,4-Dichloro-2-butene	12.270	75	239315	163.39	ug/l	96
78) 4-Chlorotoluene	12.743	91	1706220	181.32	ug/l	94
79) tert-butylbenzene	12.965	119	1704751	180.81	ug/l	94
80) 1,2,4-Trimethylbenzene	13.010	105	2060737	181.93	ug/l	98
81) sec-Butylbenzene	13.141	105	2194880	177.61	ug/l	98
82) p-Isopropyltoluene	13.260	119	2074385	185.62	ug/l	96
83) 1,3-Dichlorobenzene	13.254	146	977065	183.07	ug/l	96
84) 1,4-Dichlorobenzene	13.334	146	979634	187.63	ug/l	96
85) n-Butylbenzene	13.585	91	1718233	180.73	ug/l	98
86) Hexachloroethane	13.842	117	342407	181.78	ug/l	77
87) 1,2-Dichlorobenzene	13.624	146	934510	175.14	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.238	75	155767	202.63	ug/l #	71
89) 1,2,4-Trichlorobenzene	14.878	180	577426	208.06	ug/l	96
90) Hexachlorobutadiene	14.977	225	222845	175.52	ug/l	97
91) Naphthalene	15.096	128	1739834	197.33	ug/l	99
92) 1,2,3-Trichlorobenzene	15.280	180	577815	206.01	ug/l	97

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

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