

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067591.D
 Acq On : 1 Jul 2021 11:48
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 2:00:56 PM

Quant Time: Jul 01 12:05:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 11:55:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	107819	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	576730	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.747	117	575101	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	236354	22.660	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	75.533%#
60) 4-Bromofluorobenzene	12.734	95	285152	27.357	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.200%
63) Toluene-d8	10.443	98	765973	28.242	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.133%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.067	85	987523	148.033	ug/l	98
3) Chloromethane	2.298	50	1008889	132.132	ug/l	99
4) Vinyl Chloride	2.440	62	1601499	180.707	ug/l	96
5) Bromomethane	2.818	94	1148468	211.365	ug/l	93
6) Chloroethane	2.990	64	1070495	185.698	ug/l	91
7) Trichlorofluoromethane	3.357	101	2808351	197.680	ug/l	96
8) Diethyl Ether	3.816	74	947733	213.876	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.192	101	727034	131.298	ug/l	95
10) 1,1-Dichloroethene	4.165	96	735839	136.748	ug/l	90
11) Methyl Iodide	4.411	142	1094929	163.716	ug/l	92
12) Methyl Acetate	4.854	43	958856	123.245	ug/l	93
13) Acrolein	4.036	56	651257	668.837	ug/l	100
14) Acrylonitrile	5.557	53	2314742	699.447	ug/l	99
15) Acetone	4.288	58	522630	638.137	ug/l	86
16) Carbon Disulfide	4.516	76	2184592	130.647	ug/l	99
17) Allyl chloride	4.830	41	1318013	117.436	ug/l	93
18) Methylene Chloride	5.087	84	929204	137.717	ug/l	89
19) trans-1,2-Dichloroethene	5.589	96	968446	160.950	ug/l	83
20) Diisopropyl ether	6.498	45	3192407	141.219	ug/l	# 95
21) 1,1-Dichloroethane	6.383	63	1653899	131.017	ug/l	97
22) cis-1,2-Dichloroethene	7.324	96	1121198	155.022	ug/l	86
23) tert-Butyl Alcohol	5.396	59	839858	590.259	ug/l	# 100
24) Methyl tert-Butyl Ether	5.618	73	3317197	145.513	ug/l	91
25) Chloroform	7.818	83	1940161	146.985	ug/l	99
26) Cyclohexane	8.094	56	1521077	138.270	ug/l	# 89
29) 1,1-Dichloropropene	8.223	75	1386962	160.318	ug/l	95
30) 2-Butanone	7.340	43	3174979	735.993	ug/l	94
31) 2,2-Dichloropropane	7.324	77	1468602	159.787	ug/l	95
32) 1,1,1-Trichloroethane	8.016	97	1784932	164.502	ug/l	95
33) Carbon Tetrachloride	8.206	117	1552411	169.676	ug/l	96
34) Benzene	8.461	78	4254998m	171.919	ug/l	
35) Methacrylonitrile	7.641	41	665847	144.503	ug/l	90
36) 1,2-Dichloroethane	8.531	62	1510985	147.287	ug/l	96
37) Trichloroethene	9.218	130	1074716	178.972	ug/l	87
38) Methylcyclohexane	9.462	83	1516165	166.949	ug/l	90
39) 1,2-Dichloropropane	9.491	63	1038139	156.610	ug/l	99
40) Dibromomethane	9.580	93	800644	173.875	ug/l	91
41) Bromodichloromethane	9.765	83	1580349	164.866	ug/l	100
42) Vinyl Acetate	6.436	43	14121800m	778.177	ug/l	

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43) Ethyl Acetate	7.418	43	1376161m	157.896	ug/l	
44) Isopropyl Acetate	8.566	43	2393888	146.936	ug/l	96
45) 1,4-Dioxane	9.572	88	388911	3605.535	ug/l #	88
46) Methyl methacrylate	9.564	41	1055321	146.305	ug/l	91
47) n-amyl Acetate	12.390	43	2190686	159.679	ug/l	98
48) t-1,3-Dichloropropene	10.722	75	1769403	169.308	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	1822726	170.326	ug/l	89
50) 1,1,2-Trichloroethane	10.902	97	1129958	186.265	ug/l	98
51) Ethyl methacrylate	10.765	69	1862368	175.751	ug/l	89
52) 1,3-Dichloropropane	11.047	76	1828930	168.996	ug/l	99
53) Dibromochloromethane	11.242	129	1297720	196.046	ug/l	100
54) 1,2-Dibromoethane	11.350	107	1203466	190.233	ug/l	100
55) 2-Chloroethyl vinyl ether	10.044	63	2230189	874.364	ug/l	96
56) Bromoform	12.460	173	970166	217.799	ug/l #	99
58) 4-Methyl-2-Pentanone	10.336	43	7504231	725.159	ug/l	94
59) 2-Hexanone	11.090	43	5310567	715.647	ug/l	93
61) Tetrachloroethene	10.980	164	1013554	171.218	ug/l	96
62) Toluene	10.508	91	5055300	169.908	ug/l	100
64) Chlorobenzene	11.773	112	3120673	178.111	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.846	131	1192658	182.161	ug/l	99
66) Ethyl Benzene	11.849	91	5673994	166.171	ug/l	96
67) m/p-Xylenes	11.956	106	4395760	356.139	ug/l	85
68) o-Xylene	12.283	106	2210245	178.927	ug/l	85
69) Styrene	12.296	104	3790056	185.713	ug/l	93
70) Isopropylbenzene	12.581	105	5659882	179.720	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	1619547	169.637	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	1380513m	150.671	ug/l	
73) Bromobenzene	12.862	156	1316421	195.749	ug/l	73
74) n-propylbenzene	12.924	91	6317243	168.952	ug/l	94
75) 2-Chlorotoluene	13.010	91	3811217	162.021	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	4643262	173.738	ug/l	95
77) t-1,4-Dichloro-2-butene	12.629	75	529588	174.940	ug/l	89
78) 4-Chlorotoluene	13.109	91	3875361	166.766	ug/l	89
79) tert-butylbenzene	13.326	119	3931232	181.704	ug/l	87
80) 1,2,4-Trimethylbenzene	13.372	105	4633759m	176.493	ug/l	
81) sec-Butylbenzene	13.506	105	5358642	178.199	ug/l	95
82) p-Isopropyltoluene	13.619	119	4541222	187.193	ug/l	93
83) 1,3-Dichlorobenzene	13.619	146	2488165	204.370	ug/l	93
84) 1,4-Dichlorobenzene	13.696	146	2459886	202.526	ug/l	94
85) n-Butylbenzene	13.946	91	3780845	173.126	ug/l	97
86) Hexachloroethane	14.214	117	818583	173.580	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	2407799	204.436	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.606	75	309348	140.718	ug/l #	59
89) 1,2,4-Trichlorobenzene	15.268	180	1144134	200.789	ug/l	98
90) Hexachlorobutadiene	15.373	225	458334	155.038	ug/l	97
91) Naphthalene	15.509	128	3749439	201.786	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	1102432	198.960	ug/l	97

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

