

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067722.D
 Acq On : 13 Jul 2021 17:24
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:42:33 AM

Quant Time: Jul 14 01:08:41 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	7.659	128	96068	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	529051	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	526365	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	217078	28.276	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.267%
60) 4-Bromofluorobenzene	12.734	95	268235	31.702	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	105.667%
63) Toluene-d8	10.443	98	714250	29.623	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.733%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	493098	100.030	ug/l	96
3) Chloromethane	2.298	50	578669	94.054	ug/l	97
4) Vinyl Chloride	2.440	62	896068	94.653	ug/l	99
5) Bromomethane	2.818	94	732844	92.162	ug/l	97
6) Chloroethane	2.998	64	636467	91.139	ug/l	99
7) Trichlorofluoromethane	3.363	101	1596617	89.613	ug/l	98
8) Diethyl Ether	3.816	74	314058	95.380	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.194	101	479772	93.328	ug/l	98
10) 1,1-Dichloroethene	4.167	96	453082	94.609	ug/l	98
11) Methyl Iodide	4.411	142	654397	105.588	ug/l	99
12) Methyl Acetate	4.854	43	610939	95.285	ug/l	99
13) Acrolein	4.036	56	304241	410.338	ug/l #	45
14) Acrylonitrile	5.557	53	1431427	516.866	ug/l	100
15) Acetone	4.288	58	327619	438.260	ug/l	100
16) Carbon Disulfide	4.519	76	1230440	97.126	ug/l	98
17) Allyl chloride	4.833	41	825870	101.110	ug/l	98
18) Methylene Chloride	5.093	84	578405	92.734	ug/l	96
19) trans-1,2-Dichloroethene	5.594	96	567681	101.248	ug/l	94
20) Diisopropyl ether	6.498	45	2024266	105.478	ug/l	95
21) 1,1-Dichloroethane	6.385	63	1060214	99.880	ug/l	99
22) cis-1,2-Dichloroethene	7.324	96	698571	102.868	ug/l	95
23) tert-Butyl Alcohol	5.390	59	507509	466.869	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	1969333	102.720	ug/l	96
25) Chloroform	7.818	83	1198100	101.867	ug/l	98
26) Cyclohexane	8.096	56	944772	101.770	ug/l #	98
29) 1,1-Dichloropropene	8.223	75	872983	106.284	ug/l	98
30) 2-Butanone	7.340	43	2020967	525.719	ug/l	98
31) 2,2-Dichloropropane	7.324	77	988618	105.102	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	1078166	106.760	ug/l	98
33) Carbon Tetrachloride	8.204	117	939735	109.103	ug/l	100
34) Benzene	8.461	78	2615347	105.952	ug/l #	95
35) Methacrylonitrile	7.641	41	424704	108.143	ug/l	97
36) 1,2-Dichloroethane	8.531	62	938570	103.408	ug/l	97
37) Trichloroethene	9.218	130	684668	106.032	ug/l	97
38) Methylcyclohexane	9.459	83	972561	105.599	ug/l	98
39) 1,2-Dichloropropane	9.491	63	664984	106.979	ug/l	99
40) Dibromomethane	9.580	93	488098	106.922	ug/l	95
41) Bromodichloromethane	9.762	83	971160	109.804	ug/l	99
42) Vinyl Acetate	6.434	43	8729869	567.477	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	851742	106.123	ug/l	97
44) Isopropyl Acetate	8.563	43	1490313	107.483	ug/l	99
45) 1,4-Dioxane	9.572	88	232847	2164.837	ug/l	96
46) Methyl methacrylate	9.561	41	659224	109.071	ug/l	97
47) n-amyl Acetate	12.390	43	1326860	115.167	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	1096041	113.797	ug/l	96
49) cis-1,3-Dichloropropene	10.191	75	1136191	112.250	ug/l	95
50) 1,1,2-Trichloroethane	10.902	97	699946	109.184	ug/l	98
51) Ethyl methacrylate	10.762	69	1141843	114.192	ug/l	93
52) 1,3-Dichloropropane	11.047	76	1152726	108.941	ug/l	98
53) Dibromochloromethane	11.240	129	791460	116.286	ug/l	98
54) 1,2-Dibromoethane	11.347	107	731261	109.712	ug/l	99
55) 2-Chloroethyl vinyl ether	10.044	63	1174356	562.189	ug/l	99
56) Bromoform	12.460	173	607193	127.450	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	4781214	536.014	ug/l	97
59) 2-Hexanone	11.087	43	3383560	537.913	ug/l	97
61) Tetrachloroethene	10.980	164	667812	102.631	ug/l	95
62) Toluene	10.508	91	3194855	104.555	ug/l	99
64) Chlorobenzene	11.773	112	1969020	106.858	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	756220	110.339	ug/l	98
66) Ethyl Benzene	11.846	91	3650337	107.932	ug/l	99
67) m/p-Xylenes	11.956	106	2832503	218.942	ug/l	96
68) o-Xylene	12.283	106	1410768	110.300	ug/l	96
69) Styrene	12.296	104	2406255	114.706	ug/l	99
70) Isopropylbenzene	12.581	105	3677232	111.482	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.830	83	1030287	110.250	ug/l	100
72) 1,2,3-Trichloropropane	12.881	75	867430m	108.629	ug/l	
73) Bromobenzene	12.862	156	876227	115.576	ug/l	92
74) n-propylbenzene	12.921	91	4198012	111.690	ug/l	97
75) 2-Chlorotoluene	13.010	91	2491808	110.401	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	3031933	111.137	ug/l	98
77) t-1,4-Dichloro-2-butene	12.629	75	330699	122.442	ug/l	86
78) 4-Chlorotoluene	13.106	91	2497022	111.610	ug/l	97
79) tert-butylbenzene	13.326	119	2604665	112.654	ug/l	97
80) 1,2,4-Trimethylbenzene	13.369	105	3024851m	112.645	ug/l	
81) sec-Butylbenzene	13.503	105	3615428	112.645	ug/l	97
82) p-Isopropyltoluene	13.616	119	3104161	116.058	ug/l	97
83) 1,3-Dichlorobenzene	13.619	146	1649231	116.457	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	1601419	116.775	ug/l	99
85) n-Butylbenzene	13.943	91	2544975	114.832	ug/l	98
86) Hexachloroethane	14.211	117	534336	117.000	ug/l	91
87) 1,2-Dichlorobenzene	13.989	146	1555517	116.085	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.603	75	185686	109.429	ug/l	85
89) 1,2,4-Trichlorobenzene	15.265	180	737192	116.795	ug/l	99
90) Hexachlorobutadiene	15.370	225	322806	107.451	ug/l	95
91) Naphthalene	15.507	128	2123908	122.947	ug/l	100
92) 1,2,3-Trichlorobenzene	15.703	180	697427	116.127	ug/l	99

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

