

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102521\
 Data File : VN069149.D
 Acq On : 25 Oct 2021 13:12
 Operator : JC/MD
 Sample : VN1025WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/27/2021 2:20:42 PM

Quant Time: Oct 26 03:35:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	53820	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	317444	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	288485	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	130081	31.031	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.433%
60) 4-Bromofluorobenzene	12.734	95	143907	29.092	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.967%
63) Toluene-d8	10.443	98	401205	30.782	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	76741	21.565	ug/l	97
3) Chloromethane	2.303	50	80559	21.774	ug/l	99
4) Vinyl Chloride	2.446	62	93718	21.251	ug/l	99
5) Bromomethane	2.859	94	61388	21.224	ug/l	97
6) Chloroethane	3.019	64	59803	20.920	ug/l	97
7) Trichlorofluoromethane	3.376	101	122707	21.487	ug/l	93
8) Diethyl Ether	3.829	74	43411	21.470	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.216	101	65988	21.269	ug/l #	71
10) 1,1-Dichloroethene	4.186	96	63519	20.984	ug/l	99
11) Methyl Iodide	4.428	142	81357	19.115	ug/l	95
12) Methyl Acetate	4.857	43	120710	20.939	ug/l	97
13) Acrolein	4.047	56	38276	110.207	ug/l	99
14) Acrylonitrile	5.557	53	178180	108.929	ug/l	98
15) Acetone	4.291	58	51014	99.766	ug/l	100
16) Carbon Disulfide	4.537	76	168586	20.727	ug/l	99
17) Allyl chloride	4.849	41	108608	20.836	ug/l	91
18) Methylene Chloride	5.101	84	76620	21.302	ug/l	95
19) trans-1,2-Dichloroethene	5.602	96	68910	20.965	ug/l	94
20) Diisopropyl ether	6.498	45	232731	20.901	ug/l	95
21) 1,1-Dichloroethane	6.391	63	133213	21.435	ug/l	100
22) cis-1,2-Dichloroethene	7.327	96	83647	21.232	ug/l	98
23) tert-Butyl Alcohol	5.366	59	70393	104.886	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	241905	21.070	ug/l	98
25) Chloroform	7.820	83	143304	21.578	ug/l	100
26) Cyclohexane	8.099	56	119308	20.842	ug/l #	98
29) 1,1-Dichloropropene	8.225	75	102961	20.609	ug/l	98
30) 2-Butanone	7.335	43	247182	103.045	ug/l	99
31) 2,2-Dichloropropane	7.327	77	124450	20.794	ug/l	98
32) 1,1,1-Trichloroethane	8.019	97	127526	20.516	ug/l	97
33) Carbon Tetrachloride	8.209	117	109983	20.831	ug/l	100
34) Benzene	8.461	78	309244	20.730	ug/l	99
35) Methacrylonitrile	7.641	41	48167	20.148	ug/l	97
36) 1,2-Dichloroethane	8.531	62	112217	20.843	ug/l	100
37) Trichloroethene	9.218	130	78042	20.574	ug/l	94
38) Methylcyclohexane	9.462	83	130715	20.553	ug/l	98
39) 1,2-Dichloropropane	9.491	63	79694	20.950	ug/l	100
40) Dibromomethane	9.580	93	56390	21.203	ug/l	97
41) Bromodichloromethane	9.762	83	111745	21.027	ug/l	97
42) Vinyl Acetate	6.436	43	882611	103.116	ug/l	100

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43) Ethyl Acetate	7.413	43	100054	21.382	ug/l	99
44) Isopropyl Acetate	8.560	43	175178	20.218	ug/l	96
45) 1,4-Dioxane	9.569	88	28216	406.905	ug/l	94
46) Methyl methacrylate	9.561	41	81483	20.804	ug/l	93
47) n-amyl Acetate	12.390	43	138461	18.823	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	122534	19.935	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	130179	20.338	ug/l	96
50) 1,1,2-Trichloroethane	10.899	97	79744	20.892	ug/l	98
51) Ethyl methacrylate	10.762	69	125302	19.915	ug/l	95
52) 1,3-Dichloropropane	11.047	76	133573	20.800	ug/l	99
53) Dibromochloromethane	11.240	129	83183	20.415	ug/l	98
54) 1,2-Dibromoethane	11.347	107	82179	20.595	ug/l	98
55) 2-Chloroethyl vinyl ether	10.044	63	152506	76.343	ug/l	99
56) Bromoform	12.460	173	57865	19.701	ug/l #	100
58) 4-Methyl-2-Pentanone	10.331	43	523260	107.514	ug/l	98
59) 2-Hexanone	11.087	43	380311	103.476	ug/l	98
61) Tetrachloroethene	10.980	164	69209	22.074	ug/l	95
62) Toluene	10.508	91	355942	21.183	ug/l	98
64) Chlorobenzene	11.773	112	212199	20.822	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	80097	21.126	ug/l	99
66) Ethyl Benzene	11.846	91	393641	20.837	ug/l	98
67) m/p-Xylenes	11.956	106	299364	42.138	ug/l	98
68) o-Xylene	12.283	106	148999	20.945	ug/l	98
69) Styrene	12.296	104	238231	20.209	ug/l	98
70) Isopropylbenzene	12.581	105	388548	20.834	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	117426	21.482	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	101353m	21.579	ug/l	
73) Bromobenzene	12.862	156	86567	20.479	ug/l	95
74) n-propylbenzene	12.921	91	437771	20.440	ug/l	100
75) 2-Chlorotoluene	13.010	91	271300	20.688	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	324938	20.905	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	34784	18.937	ug/l	99
78) 4-Chlorotoluene	13.106	91	257848	20.062	ug/l	95
79) tert-butylbenzene	13.326	119	279744	20.497	ug/l	98
80) 1,2,4-Trimethylbenzene	13.372	105	313574m	20.551	ug/l	
81) sec-Butylbenzene	13.503	105	390984	20.464	ug/l	99
82) p-Isopropyltoluene	13.619	119	312883	20.077	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	149652	20.109	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	143409	19.789	ug/l	98
85) n-Butylbenzene	13.943	91	248336	19.054	ug/l	99
86) Hexachloroethane	14.211	117	60523	20.742	ug/l	94
87) 1,2-Dichlorobenzene	13.991	146	143084	20.122	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.603	75	20237	19.876	ug/l	96
89) 1,2,4-Trichlorobenzene	15.265	180	63320	17.661	ug/l	99
90) Hexachlorobutadiene	15.373	225	38849	20.725	ug/l	98
91) Naphthalene	15.507	128	169424	16.337	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	61747	18.021	ug/l	99

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

