

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071521\
 Data File : VN067758.D
 Acq On : 15 Jul 2021 11:43
 Operator : JC/MD
 Sample : VN0715WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:40:21 AM

Quant Time: Jul 15 16:12:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	59711	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	334638	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	321539	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	156777	32.499	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.333%			
60) 4-Bromofluorobenzene	12.734	95	150879	28.894	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.300%			
63) Toluene-d8	10.443	98	443019	29.956	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.867%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	56835	18.625	ug/l	99
3) Chloromethane	2.301	50	72450	19.008	ug/l	98
4) Vinyl Chloride	2.443	62	115496	19.479	ug/l	98
5) Bromomethane	2.851	94	104127	21.091	ug/l	97
6) Chloroethane	3.014	64	91710	20.770	ug/l	100
7) Trichlorofluoromethane	3.368	101	221854	20.165	ug/l	99
8) Diethyl Ether	3.819	74	42444	20.739	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.197	101	61041	19.518	ug/l	81
10) 1,1-Dichloroethene	4.173	96	53972	18.634	ug/l	98
11) Methyl Iodide	4.422	142	66571	17.384	ug/l	99
12) Methyl Acetate	4.859	43	82744	20.929	ug/l	98
13) Acrolein	4.039	56	50666	122.349	ug/l #	44
14) Acrylonitrile	5.557	53	176927	101.775	ug/l	99
15) Acetone	4.293	58	46026	106.805	ug/l	94
16) Carbon Disulfide	4.521	76	128556	16.807	ug/l	98
17) Allyl chloride	4.835	41	94275	18.497	ug/l	99
18) Methylene Chloride	5.090	84	75994	18.958	ug/l	99
19) trans-1,2-Dichloroethene	5.594	96	62638	18.136	ug/l	97
20) Diisopropyl ether	6.498	45	230733	19.119	ug/l	96
21) 1,1-Dichloroethane	6.385	63	129598	19.521	ug/l	99
22) cis-1,2-Dichloroethene	7.324	96	79328	18.614	ug/l	98
23) tert-Butyl Alcohol	5.382	59	71880m	112.175	ug/l	
24) Methyl tert-Butyl Ether	5.624	73	233497	19.525	ug/l	99
25) Chloroform	7.820	83	144301	19.533	ug/l	97
26) Cyclohexane	8.096	56	101050	17.468	ug/l #	100
29) 1,1-Dichloropropene	8.220	75	95908	18.267	ug/l	99
30) 2-Butanone	7.340	43	251788	103.557	ug/l	100
31) 2,2-Dichloropropane	7.324	77	104906	17.910	ug/l #	78
32) 1,1,1-Trichloroethane	8.013	97	119248	18.495	ug/l	99
33) Carbon Tetrachloride	8.206	117	97902	17.783	ug/l	97
34) Benzene	8.461	78	306602	19.536	ug/l	99
35) Methacrylonitrile	7.638	41	49478	19.796	ug/l	97
36) 1,2-Dichloroethane	8.531	62	123092	21.069	ug/l	99
37) Trichloroethene	9.215	130	74627	18.303	ug/l	99
38) Methylcyclohexane	9.462	83	104346	17.944	ug/l	99
39) 1,2-Dichloropropane	9.491	63	79689	19.911	ug/l	97
40) Dibromomethane	9.580	93	58334	20.269	ug/l	99
41) Bromodichloromethane	9.762	83	110314	19.526	ug/l	97
42) Vinyl Acetate	6.434	43	977012	101.006	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	103222	20.999	ug/l	98
44) Isopropyl Acetate	8.563	43	178053	19.949	ug/l	98
45) 1,4-Dioxane	9.572	88	27919	413.080	ug/l	98
46) Methyl methacrylate	9.561	41	76520	19.860	ug/l	97
47) n-amyl Acetate	12.390	43	130146	17.764	ug/l	97
48) t-1,3-Dichloropropene	10.719	75	111459	18.307	ug/l	97
49) cis-1,3-Dichloropropene	10.194	75	119287	18.458	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	82242	20.024	ug/l	97
51) Ethyl methacrylate	10.762	69	119728	18.746	ug/l	97
52) 1,3-Dichloropropane	11.047	76	136488	20.098	ug/l	98
53) Dibromochloromethane	11.240	129	79506	18.492	ug/l	99
54) 1,2-Dibromoethane	11.350	107	81709	19.287	ug/l	98
55) 2-Chloroethyl vinyl ether	10.044	63	108660	87.963	ug/l	99
56) Bromoform	12.460	173	49504	16.434	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	569815	103.206	ug/l	99
59) 2-Hexanone	11.087	43	385070	99.472	ug/l	100
61) Tetrachloroethene	10.977	164	72857	18.446	ug/l	98
62) Toluene	10.508	91	354502	18.744	ug/l	100
64) Chlorobenzene	11.773	112	211481	18.671	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	77369	18.540	ug/l	100
66) Ethyl Benzene	11.846	91	375059	17.921	ug/l	99
67) m/p-Xylenes	11.956	106	292753	36.674	ug/l	99
68) o-Xylene	12.283	106	142411	18.073	ug/l	99
69) Styrene	12.296	104	231739	17.785	ug/l	99
70) Isopropylbenzene	12.581	105	363369	17.869	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	112544	19.494	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	103242m	21.510	ug/l	
73) Bromobenzene	12.862	156	82783	17.712	ug/l	98
74) n-propylbenzene	12.924	91	417488	17.918	ug/l	99
75) 2-Chlorotoluene	13.010	91	256270	18.325	ug/l	99
76) 1,3,5-Trimethylbenzene	13.061	105	304639	18.197	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	27421	16.929	ug/l	96
78) 4-Chlorotoluene	13.106	91	256271	18.380	ug/l	99
79) tert-butylbenzene	13.326	119	247119	17.191	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	300057m	18.049	ug/l	
81) sec-Butylbenzene	13.503	105	349553	17.530	ug/l	99
82) p-Isopropyltoluene	13.619	119	281972	16.990	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	149841	17.167	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	146690	17.253	ug/l	100
85) n-Butylbenzene	13.946	91	225168	16.353	ug/l	99
86) Hexachloroethane	14.214	117	45673	16.542	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	145026	17.404	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	19346	18.730	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	57286	15.078	ug/l	100
90) Hexachlorobutadiene	15.373	225	29945	16.397	ug/l	93
91) Naphthalene	15.509	128	145768	13.504	ug/l	100
92) 1,2,3-Trichlorobenzene	15.705	180	53833	14.789	ug/l	96

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

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