

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067595.D
 Acq On : 1 Jul 2021 14:28
 Operator : JC/MD
 Sample : VN0701WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 2:01:06 PM

Quant Time: Jul 02 06:45:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	67433	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	409275	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.749	117	386667	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.439	65	175774m	32.257	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.533%	
60) 4-Bromofluorobenzene	12.733	95	187518	29.810	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 99.367%	
63) Toluene-d8	10.443	98	531654	30.049	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.167%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.072	85	75609	18.105	ug/l	99
3) Chloromethane	2.303	50	98295	19.554	ug/l	97
4) Vinyl Chloride	2.443	62	153494	19.400	ug/l	93
5) Bromomethane	2.864	94	129286	20.257	ug/l	92
6) Chloroethane	3.022	64	117817	20.193	ug/l	90
7) Trichlorofluoromethane	3.373	101	305436	20.249	ug/l	94
8) Diethyl Ether	3.821	74	46044	11.735	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.202	101	63502	19.125	ug/l	98
10) 1,1-Dichloroethene	4.172	96	61023	18.625	ug/l	89
11) Methyl Iodide	4.419	142	70913	16.254	ug/l	92
12) Methyl Acetate	4.856	43	81183	19.309	ug/l	92
13) Acrolein	4.041	56	58177	98.122	ug/l	99
14) Acrylonitrile	5.559	53	179199	91.759	ug/l	100
15) Acetone	4.288	58	43996	96.171	ug/l	80
16) Carbon Disulfide	4.524	76	173172	18.401	ug/l	98
17) Allyl chloride	4.835	41	104559	18.098	ug/l	87
18) Methylene Chloride	5.095	84	78017	18.353	ug/l	93
19) trans-1,2-Dichloroethene	5.594	96	72448	18.389	ug/l	83
20) Diisopropyl ether	6.500	45	256642	18.368	ug/l	98
21) 1,1-Dichloroethane	6.388	63	140051	18.767	ug/l	97
22) cis-1,2-Dichloroethene	7.329	96	89323	18.540	ug/l	89
23) tert-Butyl Alcohol	5.393	59	69055m	92.923	ug/l	
24) Methyl tert-Butyl Ether	5.621	73	248487	18.050	ug/l	96
25) Chloroform	7.820	83	155724	18.514	ug/l	100
26) Cyclohexane	8.096	56	125577	18.628	ug/l	# 96
29) 1,1-Dichloropropene	8.220	75	112404	17.526	ug/l	96
30) 2-Butanone	7.343	43	258292	88.258	ug/l	96
31) 2,2-Dichloropropane	7.329	77	110024	16.115	ug/l	97
32) 1,1,1-Trichloroethane	8.013	97	137680	17.131	ug/l	98
33) Carbon Tetrachloride	8.206	117	110414	16.207	ug/l	96
34) Benzene	8.461	78	341501	17.272	ug/l	97
35) Methacrylonitrile	7.640	41	54449	17.108	ug/l	93
36) 1,2-Dichloroethane	8.531	62	129920	17.862	ug/l	98
37) Trichloroethene	9.217	130	85994	17.378	ug/l	95
38) Methylcyclohexane	9.459	83	123072	17.262	ug/l	92
39) 1,2-Dichloropropane	9.491	63	86969	17.594	ug/l	99
40) Dibromomethane	9.579	93	62062	16.980	ug/l	95
41) Bromodichloromethane	9.764	83	120210	16.948	ug/l	96
42) Vinyl Acetate	6.436	43	1090894m	85.108	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	109057	17.169	ug/l #	75
44) Isopropyl Acetate	8.566	43	192912	17.139	ug/l	95
45) 1,4-Dioxane	9.574	88	29997	339.774	ug/l #	89
46) Methyl methacrylate	9.561	41	85000	17.629	ug/l	97
47) n-amyl Acetate	12.390	43	155048	16.379	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	122426	16.044	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	132970	16.530	ug/l	95
50) 1,1,2-Trichloroethane	10.902	97	87930	17.027	ug/l	96
51) Ethyl methacrylate	10.765	69	133981	16.467	ug/l	95
52) 1,3-Dichloropropane	11.046	76	145369	17.040	ug/l	99
53) Dibromochloromethane	11.239	129	84726	15.226	ug/l	98
54) 1,2-Dibromoethane	11.347	107	89146	16.543	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	129975	75.097	ug/l	97
56) Bromoform	12.460	173	56631	14.618	ug/l #	96
58) 4-Methyl-2-Pentanone	10.333	43	596205	88.605	ug/l	98
59) 2-Hexanone	11.089	43	413964	88.316	ug/l	97
61) Tetrachloroethene	10.979	164	83168	17.458	ug/l	97
62) Toluene	10.507	91	397392	17.473	ug/l	98
64) Chlorobenzene	11.773	112	234682	17.415	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.846	131	86125	17.150	ug/l	99
66) Ethyl Benzene	11.848	91	439675	17.541	ug/l	96
67) m/p-Xylenes	11.956	106	340278	34.969	ug/l	86
68) o-Xylene	12.283	106	167206	17.248	ug/l	88
69) Styrene	12.296	104	271515	17.053	ug/l	94
70) Isopropylbenzene	12.580	105	428211	17.265	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.830	83	125840	17.642	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	112858m	18.181	ug/l	
73) Bromobenzene	12.865	156	94977	16.893	ug/l	76
74) n-propylbenzene	12.924	91	487879	17.404	ug/l	96
75) 2-Chlorotoluene	13.010	91	293134	17.391	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	352843	17.227	ug/l	95
77) t-1,4-Dichloro-2-butene	12.629	75	28609	14.057	ug/l	98
78) 4-Chlorotoluene	13.109	91	294249	17.552	ug/l	92
79) tert-butylbenzene	13.326	119	300356	17.434	ug/l	88
80) 1,2,4-Trimethylbenzene	13.372	105	350626m	17.377	ug/l	
81) sec-Butylbenzene	13.506	105	407169	17.190	ug/l	98
82) p-Isopropyltoluene	13.618	119	322707	16.613	ug/l	95
83) 1,3-Dichlorobenzene	13.618	146	175448	16.813	ug/l	93
84) 1,4-Dichlorobenzene	13.696	146	167507	16.574	ug/l	96
85) n-Butylbenzene	13.946	91	270022	16.821	ug/l	97
86) Hexachloroethane	14.214	117	51756	15.621	ug/l	97
87) 1,2-Dichlorobenzene	13.991	146	169301	16.837	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.605	75	22064	17.304	ug/l #	76
89) 1,2,4-Trichlorobenzene	15.265	180	70880	16.372	ug/l	95
90) Hexachlorobutadiene	15.375	225	33605	16.751	ug/l	97
91) Naphthalene	15.509	128	204470	15.328	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	66813	16.180	ug/l	97

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

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