

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067372.D
 Acq On : 17 Jun 2021 12:18
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 6/18/2021 9:12:46 AM

Quant Time: Jun 18 04:41:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	65147	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	411276	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	369474	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	213375	31.166	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.900%			
60) 4-Bromofluorobenzene	12.734	95	204343	28.647	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.500%			
63) Toluene-d8	10.443	98	540959	30.701	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.333%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	93382	19.219	ug/l	98
3) Chloromethane	2.301	50	94978	18.228	ug/l	99
4) Vinyl Chloride	2.443	62	95208	18.508	ug/l	96
5) Bromomethane	2.856	94	53529	20.732	ug/l	99
6) Chloroethane	3.017	64	56634	18.855	ug/l	92
7) Trichlorofluoromethane	3.371	101	129734	18.884	ug/l	95
8) Diethyl Ether	3.821	74	53454	19.093	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.202	101	79862	19.661	ug/l	76
10) 1,1-Dichloroethene	4.173	96	74657	18.919	ug/l	95
11) Methyl Iodide	4.417	142	71659	15.099	ug/l	99
12) Methyl Acetate	4.859	43	113258	19.347	ug/l	99
13) Acrolein	4.039	56	65231	93.376	ug/l	98
14) Acrylonitrile	5.557	53	229711	93.461	ug/l	99
15) Acetone	4.288	58	73406	119.415	ug/l	97
16) Carbon Disulfide	4.524	76	244112	19.511	ug/l	97
17) Allyl chloride	4.838	41	164010	19.102	ug/l	99
18) Methylene Chloride	5.090	84	95852m	19.799	ug/l	
19) trans-1,2-Dichloroethene	5.594	96	81645	18.980	ug/l	98
20) Diisopropyl ether	6.501	45	323074	19.389	ug/l	99
21) 1,1-Dichloroethane	6.385	63	178764	19.372	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	98779	19.327	ug/l	96
23) tert-Butyl Alcohol	5.385	59	89140	81.825	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	314225	18.742	ug/l	100
25) Chloroform	7.817	83	180223	19.075	ug/l	100
26) Cyclohexane	8.096	56	159817	19.985	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	136432	18.530	ug/l	98
30) 2-Butanone	7.343	43	353901	93.653	ug/l	99
31) 2,2-Dichloropropane	7.329	77	173764	22.041	ug/l	98
32) 1,1,1-Trichloroethane	8.013	97	158091	16.900	ug/l	96
33) Carbon Tetrachloride	8.204	117	130654	16.617	ug/l	95
34) Benzene	8.461	78	387330	18.706	ug/l	99
35) Methacrylonitrile	7.640	41	74268	18.237	ug/l	97
36) 1,2-Dichloroethane	8.531	62	155657	17.668	ug/l	99
37) Trichloroethene	9.217	130	85066	17.355	ug/l	98
38) Methylcyclohexane	9.459	83	157940	20.832	ug/l	99
39) 1,2-Dichloropropane	9.491	63	102890	18.405	ug/l	98
40) Dibromomethane	9.580	93	67263	17.523	ug/l	97
41) Bromodichloromethane	9.765	83	145416	17.570	ug/l	98
42) Vinyl Acetate	6.434	43	1404477	88.309	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	146604m	19.069	ug/l	
44) Isopropyl Acetate	8.566	43	246976	17.377	ug/l	100
45) 1,4-Dioxane	9.574	88	31919	344.945	ug/l #	92
46) Methyl methacrylate	9.561	41	106146	16.816	ug/l	99
47) n-amyl Acetate	12.390	43	202512	16.802	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	159822	17.485	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	169802	18.490	ug/l	98
50) 1,1,2-Trichloroethane	10.899	97	89867	18.022	ug/l	95
51) Ethyl methacrylate	10.762	69	158799	17.430	ug/l	99
52) 1,3-Dichloropropane	11.047	76	165523	18.221	ug/l	100
53) Dibromochloromethane	11.240	129	89958	16.222	ug/l	99
54) 1,2-Dibromoethane	11.347	107	89318	17.171	ug/l	96
55) 2-Chloroethyl vinyl ether	10.044	63	186809	80.907	ug/l	99
56) Bromoform	12.460	173	54117	14.379	ug/l #	98
58) 4-Methyl-2-Pentanone	10.333	43	714431	87.972	ug/l	100
59) 2-Hexanone	11.089	43	528947	90.061	ug/l	97
61) Tetrachloroethene	10.980	164	78296	18.283	ug/l	96
62) Toluene	10.507	91	409503	18.519	ug/l	100
64) Chlorobenzene	11.773	112	232390	17.890	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	84063	17.124	ug/l	98
66) Ethyl Benzene	11.848	91	467294	18.199	ug/l	100
67) m/p-Xylenes	11.956	106	331204	36.567	ug/l	100
68) o-Xylene	12.283	106	161151	17.822	ug/l	99
69) Styrene	12.296	104	265971	17.494	ug/l	99
70) Isopropylbenzene	12.581	105	423562	18.185	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	129336	18.250	ug/l	98
72) 1,2,3-Trichloropropane	12.884	75	118483m	16.780	ug/l	
73) Bromobenzene	12.865	156	83627	17.253	ug/l	94
74) n-propylbenzene	12.924	91	534160	19.079	ug/l	99
75) 2-Chlorotoluene	13.010	91	317862	17.931	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	361369	18.309	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	41991	17.070	ug/l	99
78) 4-Chlorotoluene	13.109	91	319845	18.146	ug/l	99
79) tert-butylbenzene	13.326	119	287333	18.122	ug/l	99
80) 1,2,4-Trimethylbenzene	13.372	105	351932m	18.060	ug/l	
81) sec-Butylbenzene	13.503	105	422216	19.181	ug/l	100
82) p-Isopropyltoluene	13.619	119	334706	18.857	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	155611	17.808	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	153422	17.492	ug/l	99
85) n-Butylbenzene	13.946	91	342911	20.768	ug/l	98
86) Hexachloroethane	14.211	117	61496	16.933	ug/l	93
87) 1,2-Dichlorobenzene	13.991	146	148462	17.408	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.606	75	29533	16.454	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	80241	18.500	ug/l	99
90) Hexachlorobutadiene	15.373	225	41153	17.872	ug/l	99
91) Naphthalene	15.509	128	269101	18.481	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	78230	18.546	ug/l	97

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

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