

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067869.D
 Acq On : 22 Jul 2021 18:16
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/27/2021 3:39:14 PM

Quant Time: Jul 24 07:14:30 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	61007	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	356128	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	330935	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	159008	32.262	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.533%	
60) 4-Bromofluorobenzene	12.734	95	158440	29.480	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.267%	
63) Toluene-d8	10.443	98	467597	30.720	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	64428	20.665	ug/l	96
3) Chloromethane	2.303	50	79834	20.501	ug/l	100
4) Vinyl Chloride	2.443	62	133432	22.026	ug/l	98
5) Bromomethane	2.861	94	106265	21.067	ug/l	99
6) Chloroethane	3.022	64	105909	23.476	ug/l	99
7) Trichlorofluoromethane	3.373	101	256243	22.796	ug/l	97
8) Diethyl Ether	3.824	74	44685	21.370	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.202	101	71534	22.388	ug/l #	37
10) 1,1-Dichloroethene	4.178	96	65256	22.051	ug/l	98
11) Methyl Iodide	4.419	142	77495	19.807	ug/l	97
12) Methyl Acetate	4.857	43	89091	22.056	ug/l	99
13) Acrolein	4.039	56	44932	106.197	ug/l #	45
14) Acrylonitrile	5.559	53	186139	104.800	ug/l	99
15) Acetone	4.291	58	47801	108.568	ug/l	100
16) Carbon Disulfide	4.527	76	151173	19.344	ug/l	96
17) Allyl chloride	4.840	41	105879	20.332	ug/l	97
18) Methylene Chloride	5.095	84	84688	20.679	ug/l	97
19) trans-1,2-Dichloroethene	5.597	96	74134	21.009	ug/l	93
20) Diisopropyl ether	6.501	45	254732	20.659	ug/l	99
21) 1,1-Dichloroethane	6.391	63	146262	21.563	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	88510	20.327	ug/l	98
23) tert-Butyl Alcohol	5.385	59	63997	97.751	ug/l #	100
24) Methyl tert-Butyl Ether	5.624	73	252686	20.680	ug/l	99
25) Chloroform	7.820	83	161502	21.397	ug/l	95
26) Cyclohexane	8.096	56	116059	19.637	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	112183	20.077	ug/l	99
30) 2-Butanone	7.343	43	253914	98.130	ug/l	99
31) 2,2-Dichloropropane	7.327	77	123630	19.833	ug/l	99
32) 1,1,1-Trichloroethane	8.019	97	141876	20.677	ug/l	98
33) Carbon Tetrachloride	8.206	117	116156	19.826	ug/l	95
34) Benzene	8.461	78	341226	20.430	ug/l	99
35) Methacrylonitrile	7.640	41	55861	21.001	ug/l	97
36) 1,2-Dichloroethane	8.534	62	128843	20.722	ug/l	100
37) Trichloroethene	9.217	130	88413	20.376	ug/l	98
38) Methylcyclohexane	9.459	83	115635	18.685	ug/l	98
39) 1,2-Dichloropropane	9.494	63	87287	20.493	ug/l	100
40) Dibromomethane	9.580	93	62791	20.501	ug/l	98
41) Bromodichloromethane	9.765	83	123723	20.578	ug/l	98
42) Vinyl Acetate	6.439	43	1053188m	102.311	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	104547	19.985	ug/l	99
44) Isopropyl Acetate	8.566	43	186997	19.687	ug/l	99
45) 1,4-Dioxane	9.574	88	27882	387.639	ug/l	96
46) Methyl methacrylate	9.563	41	81206	19.805	ug/l	98
47) n-amyl Acetate	12.390	43	144238	18.499	ug/l	97
48) t-1,3-Dichloropropene	10.722	75	122217	18.863	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	135082	19.641	ug/l	96
50) 1,1,2-Trichloroethane	10.902	97	91057	20.833	ug/l	97
51) Ethyl methacrylate	10.765	69	130600	19.214	ug/l	98
52) 1,3-Dichloropropane	11.047	76	144846	20.042	ug/l	99
53) Dibromochloromethane	11.242	129	86902	18.993	ug/l	99
54) 1,2-Dibromoethane	11.350	107	89317	19.810	ug/l	98
55) 2-Chloroethyl vinyl ether	10.044	63	112175	85.329	ug/l	99
56) Bromoform	12.460	173	53701	16.752	ug/l #	100
58) 4-Methyl-2-Pentanone	10.333	43	583481	102.680	ug/l	99
59) 2-Hexanone	11.089	43	398735	100.078	ug/l	99
61) Tetrachloroethene	10.980	164	88339	21.731	ug/l	96
62) Toluene	10.508	91	393874	20.235	ug/l	100
64) Chlorobenzene	11.773	112	234650	20.128	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	86930	20.240	ug/l	99
66) Ethyl Benzene	11.849	91	427424	19.844	ug/l	100
67) m/p-Xylenes	11.956	106	324854	39.540	ug/l	100
68) o-Xylene	12.283	106	160369	19.774	ug/l	99
69) Styrene	12.299	104	264664	19.735	ug/l	99
70) Isopropylbenzene	12.581	105	408964	19.540	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	122656	20.642	ug/l	98
72) 1,2,3-Trichloropropane	12.884	75	106662m	21.592	ug/l	
73) Bromobenzene	12.865	156	90330	18.778	ug/l	96
74) n-propylbenzene	12.924	91	480301	20.028	ug/l	100
75) 2-Chlorotoluene	13.010	91	292839	20.345	ug/l	100
76) 1,3,5-Trimethylbenzene	13.063	105	347154	20.148	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	30055	18.028	ug/l	97
78) 4-Chlorotoluene	13.109	91	285089	19.866	ug/l	99
79) tert-butylbenzene	13.326	119	284863	19.254	ug/l	98
80) 1,2,4-Trimethylbenzene	13.372	105	339686m	19.853	ug/l	
81) sec-Butylbenzene	13.506	105	399127	19.448	ug/l	100
82) p-Isopropyltoluene	13.619	119	319922	18.729	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	169517	18.870	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	162770	18.601	ug/l	100
85) n-Butylbenzene	13.946	91	262220	18.503	ug/l	99
86) Hexachloroethane	14.214	117	53530	18.837	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	163433	19.056	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	20889	19.649	ug/l	99
89) 1,2,4-Trichlorobenzene	15.265	180	62853	16.073	ug/l	95
90) Hexachlorobutadiene	15.373	225	33657	17.906	ug/l	95
91) Naphthalene	15.509	128	166328	14.972	ug/l	100
92) 1,2,3-Trichlorobenzene	15.705	180	62400	16.656	ug/l	97

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

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