

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021021\
 Data File : VN065799.D
 Acq On : 10 Feb 2021 15:42
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda

2/11/2021 1:17:46 PM

Quant Time: Feb 11 01:32:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 14:50:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.145	128	23621	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	131917	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	118869	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	47299	28.87	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.23%		
60) 4-Bromofluorobenzene	12.373	95	57113	29.53	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.43%		
63) Toluene-d8	10.058	98	168119	29.42	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.07%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.836	85	27743	19.66	ug/l	93
3) Chloromethane	2.039	50	36438	17.61	ug/l	99
4) Vinyl Chloride	2.168	62	37939	18.53	ug/l	96
5) Bromomethane	2.547	94	24559	20.11	ug/l	96
6) Chloroethane	2.682	64	20760	17.57	ug/l	99
7) Trichlorofluoromethane	2.994	101	42793	20.16	ug/l	97
8) Diethyl Ether	3.377	74	17999	18.50	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.711	101	26727	20.61	ug/l	96
10) 1,1-Dichloroethene	3.695	96	26342	19.07	ug/l	94
11) Methyl Iodide	3.901	142	39665	20.38	ug/l	96
12) Methyl Acetate	4.287	43	27577	16.48	ug/l	95
13) Acrolein	3.569	56	20275	90.26	ug/l	99
14) Acrylonitrile	4.939	53	63530	85.45	ug/l	96
15) Acetone	3.782	58	29244	128.56	ug/l	92
16) Carbon Disulfide	4.004	76	73225	16.90	ug/l	95
17) Allyl chloride	4.274	41	43205	16.48	ug/l	95
18) Methylene Chloride	4.502	84	29342	18.02	ug/l	98
19) trans-1,2-Dichloroethene	4.984	96	27679	18.33	ug/l	96
20) Diisopropyl ether	5.910	45	86812	16.41	ug/l	95
21) 1,1-Dichloroethane	5.798	63	51424	17.63	ug/l	100
22) cis-1,2-Dichloroethene	6.778	96	32128	18.51	ug/l	98
23) tert-Butyl Alcohol	4.762	59	23236	87.35	ug/l #	100
24) Methyl tert-Butyl Ether	5.000	73	81341	17.62	ug/l	99
25) Chloroform	7.325	83	48177	18.20	ug/l	99
26) Cyclohexane	7.608	56	47124	17.26	ug/l #	93
29) 1,1-Dichloropropene	7.749	75	39091	18.35	ug/l	98
30) 2-Butanone	6.794	43	94052	98.63	ug/l	100
31) 2,2-Dichloropropane	6.775	77	39090	17.53	ug/l	98
32) 1,1,1-Trichloroethane	7.528	97	38706	18.32	ug/l	99
33) Carbon Tetrachloride	7.730	117	32970	18.89	ug/l	95
34) Benzene	8.000	78	121470	18.46	ug/l	96
35) Methacrylonitrile	7.132	41	17069	17.04	ug/l	92
36) 1,2-Dichloroethane	8.084	62	37008	18.73	ug/l	98
37) Trichloroethene	8.798	130	32028	20.16	ug/l	95
38) Methylcyclohexane	9.042	83	46073	18.24	ug/l	97
39) 1,2-Dichloropropane	9.084	63	32319	18.08	ug/l	100
40) Dibromomethane	9.174	93	18670	18.43	ug/l	87
41) Bromodichloromethane	9.367	83	35735	17.41	ug/l	99
42) Vinyl Acetate	5.846	43	337388	80.77	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.884	43	33990	17.40	ug/l	95
44) Isopropyl Acetate	8.129	43	55322	16.38	ug/l	95
45) 1,4-Dioxane	9.167	88	10335	368.95	ug/l #	90
46) Methyl methacrylate	9.167	41	26783	16.55	ug/l	94
47) n-amyl Acetate	12.042	43	44056	15.59	ug/l	98
48) t-1,3-Dichloropropene	10.351	75	40750	16.81	ug/l	99
49) cis-1,3-Dichloropropene	9.807	75	48183	17.54	ug/l	96
50) 1,1,2-Trichloroethane	10.531	97	28679	19.34	ug/l	97
51) Ethyl methacrylate	10.399	69	41699	17.46	ug/l	96
52) 1,3-Dichloropropane	10.675	76	49402	18.60	ug/l	99
53) Dibromochloromethane	10.871	129	27629	18.38	ug/l	98
54) 1,2-Dibromoethane	10.974	107	28882	19.43	ug/l	99
55) 2-Chloroethyl vinyl ether	9.662	63	80629	75.99	ug/l	99
56) Bromoform	12.096	173	16607	17.49	ug/l #	95
58) 4-Methyl-2-Pentanone	9.952	43	173578	87.91	ug/l	99
59) 2-Hexanone	10.720	43	131471	93.03	ug/l	98
61) Tetrachloroethene	10.601	164	31531	20.14	ug/l	91
62) Toluene	10.122	91	130208	18.73	ug/l	99
64) Chlorobenzene	11.402	112	78917	19.25	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.476	131	26978	18.92	ug/l	96
66) Ethyl Benzene	11.482	91	137111	18.43	ug/l	99
67) m/p-Xylenes	11.592	106	106985	38.62	ug/l	100
68) o-Xylene	11.916	106	50922	18.88	ug/l	97
69) Styrene	11.932	104	82543	18.92	ug/l	99
70) Isopropylbenzene	12.219	105	133215	19.22	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.473	83	38673	19.02	ug/l	98
72) 1,2,3-Trichloropropane	12.524	75	35113m	17.63	ug/l	
73) Bromobenzene	12.495	156	30905	19.80	ug/l	79
74) n-propylbenzene	12.563	91	149983	18.72	ug/l	96
75) 2-Chlorotoluene	12.643	91	90958	18.75	ug/l	94
76) 1,3,5-Trimethylbenzene	12.704	105	113109	19.49	ug/l	97
77) t-1,4-Dichloro-2-butene	12.270	75	11539	14.84	ug/l	94
78) 4-Chlorotoluene	12.743	91	90141	18.67	ug/l	96
79) tert-butylbenzene	12.965	119	93611	19.53	ug/l	100
80) 1,2,4-Trimethylbenzene	13.010	105	111158	19.14	ug/l	99
81) sec-Butylbenzene	13.141	105	125051	19.54	ug/l	96
82) p-Isopropyltoluene	13.257	119	111449	19.55	ug/l	98
83) 1,3-Dichlorobenzene	13.254	146	55162	20.20	ug/l	96
84) 1,4-Dichlorobenzene	13.334	146	52463	19.58	ug/l	97
85) n-Butylbenzene	13.585	91	91174	18.34	ug/l	99
86) Hexachloroethane	13.842	117	16847	17.03	ug/l	77
87) 1,2-Dichlorobenzene	13.624	146	54917	20.12	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.241	75	6591	16.82	ug/l	82
89) 1,2,4-Trichlorobenzene	14.878	180	26181	18.39	ug/l	98
90) Hexachlorobutadiene	14.977	225	13180	20.42	ug/l	97
91) Naphthalene	15.100	128	78306	17.18	ug/l	99
92) 1,2,3-Trichlorobenzene	15.280	180	27536	19.28	ug/l	97

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

