

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021221\
 Data File : VN065831.D
 Acq On : 12 Feb 2021 10:11
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 2/15/2021 1:31:47 PM

Quant Time: Feb 13 01:00:02 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	35502	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	195770	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	173338	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	69226	28.11	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.70%		
60) 4-Bromofluorobenzene	12.370	95	83475	29.60	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.67%		
63) Toluene-d8	10.055	98	252438	30.29	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.97%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.836	85	42207	19.90	ug/l	95
3) Chloromethane	2.039	50	59893	19.25	ug/l	99
4) Vinyl Chloride	2.168	62	61902	20.12	ug/l	97
5) Bromomethane	2.534	94	38505	20.98	ug/l	98
6) Chloroethane	2.676	64	36063	20.31	ug/l	99
7) Trichlorofluoromethane	2.991	101	63332	19.85	ug/l	98
8) Diethyl Ether	3.377	74	29505	20.17	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.711	101	40974	21.02	ug/l	91
10) 1,1-Dichloroethene	3.692	96	42982	20.70	ug/l	97
11) Methyl Iodide	3.901	142	58235	19.91	ug/l	98
12) Methyl Acetate	4.280	43	45064	17.92	ug/l	100
13) Acrolein	3.563	56	39568	117.19	ug/l	99
14) Acrylonitrile	4.933	53	104570	93.58	ug/l	98
15) Acetone	3.775	58	49050	143.46	ug/l	86
16) Carbon Disulfide	4.000	76	121853	18.71	ug/l	98
17) Allyl chloride	4.267	41	71135	18.06	ug/l	96
18) Methylene Chloride	4.495	84	51643	21.11	ug/l	98
19) trans-1,2-Dichloroethene	4.981	96	46149	20.33	ug/l	94
20) Diisopropyl ether	5.904	45	149807	18.85	ug/l	95
21) 1,1-Dichloroethane	5.791	63	85252	19.44	ug/l	99
22) cis-1,2-Dichloroethene	6.775	96	53150	20.38	ug/l	97
23) tert-Butyl Alcohol	4.759	59	34838	87.14	ug/l #	100
24) Methyl tert-Butyl Ether	4.994	73	137367	19.80	ug/l	97
25) Chloroform	7.325	83	78928	19.84	ug/l	96
26) Cyclohexane	7.605	56	76340	18.60	ug/l #	92
29) 1,1-Dichloropropene	7.746	75	64142	20.29	ug/l	97
30) 2-Butanone	6.791	43	155470	109.86	ug/l	99
31) 2,2-Dichloropropane	6.772	77	64748	19.57	ug/l	98
32) 1,1,1-Trichloroethane	7.524	97	62241	19.85	ug/l	99
33) Carbon Tetrachloride	7.727	117	50835	19.62	ug/l	98
34) Benzene	7.997	78	201559	20.64	ug/l	96
35) Methacrylonitrile	7.122	41	25613	17.23	ug/l	99
36) 1,2-Dichloroethane	8.081	62	59376	20.25	ug/l #	90
37) Trichloroethene	8.798	130	50021	21.21	ug/l	92
38) Methylcyclohexane	9.042	83	72324	19.30	ug/l	98
39) 1,2-Dichloropropane	9.081	63	54020	20.36	ug/l	100
40) Dibromomethane	9.171	93	30300	20.15	ug/l	85
41) Bromodichloromethane	9.367	83	58375	19.17	ug/l	98
42) Vinyl Acetate	5.843	43	573757	92.56	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.884	43	49718	17.15	ug/l	99
44) Isopropyl Acetate	8.126	43	91153	18.19	ug/l	94
45) 1,4-Dioxane	9.164	88	15615	375.63	ug/l	92
46) Methyl methacrylate	9.164	41	45514	18.95	ug/l	95
47) n-amyl Acetate	12.042	43	72755	17.35	ug/l	99
48) t-1,3-Dichloropropene	10.347	75	68075	18.92	ug/l	98
49) cis-1,3-Dichloropropene	9.804	75	80546	19.76	ug/l	96
50) 1,1,2-Trichloroethane	10.527	97	46786	21.26	ug/l	97
51) Ethyl methacrylate	10.396	69	69526	19.62	ug/l	93
52) 1,3-Dichloropropane	10.675	76	80862	20.52	ug/l	99
53) Dibromochloromethane	10.868	129	44102	19.77	ug/l	99
54) 1,2-Dibromoethane	10.974	107	45847	20.79	ug/l	98
55) 2-Chloroethyl vinyl ether	9.659	63	126577	80.39	ug/l	98
56) Bromoform	12.096	173	25953	18.42	ug/l #	95
58) 4-Methyl-2-Pentanone	9.949	43	270985	94.12	ug/l	98
59) 2-Hexanone	10.720	43	211119	102.44	ug/l	96
61) Tetrachloroethene	10.598	164	48731	21.35	ug/l	91
62) Toluene	10.119	91	213190	21.03	ug/l	99
64) Chlorobenzene	11.402	112	126045	21.08	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.476	131	42109	20.25	ug/l	95
66) Ethyl Benzene	11.479	91	222417	20.50	ug/l	99
67) m/p-Xylenes	11.592	106	171370	42.42	ug/l	97
68) o-Xylene	11.916	106	82954	21.09	ug/l	97
69) Styrene	11.932	104	132852	20.89	ug/l	98
70) Isopropylbenzene	12.219	105	212576	21.04	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.473	83	60702	20.48	ug/l	99
72) 1,2,3-Trichloropropane	12.524	75	56717m	19.53	ug/l	
73) Bromobenzene	12.495	156	48009	21.09	ug/l	77
74) n-propylbenzene	12.559	91	238323	20.40	ug/l	96
75) 2-Chlorotoluene	12.643	91	145761	20.60	ug/l	93
76) 1,3,5-Trimethylbenzene	12.701	105	174742	20.65	ug/l	98
77) t-1,4-Dichloro-2-butene	12.270	75	18753	16.54	ug/l	96
78) 4-Chlorotoluene	12.743	91	144863	20.58	ug/l	95
79) tert-butylbenzene	12.961	119	140044	20.04	ug/l	98
80) 1,2,4-Trimethylbenzene	13.010	105	176080	20.79	ug/l	99
81) sec-Butylbenzene	13.141	105	186689	20.01	ug/l	97
82) p-Isopropyltoluene	13.257	119	169793	20.43	ug/l	98
83) 1,3-Dichlorobenzene	13.254	146	83825	21.05	ug/l	95
84) 1,4-Dichlorobenzene	13.331	146	81901	20.97	ug/l	97
85) n-Butylbenzene	13.585	91	139028	19.17	ug/l	98
86) Hexachloroethane	13.842	117	26591	18.43	ug/l	72
87) 1,2-Dichlorobenzene	13.624	146	82479	20.72	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.241	75	9958	17.43	ug/l #	78
89) 1,2,4-Trichlorobenzene	14.878	180	37564	18.10	ug/l	96
90) Hexachlorobutadiene	14.977	225	17954	19.07	ug/l	98
91) Naphthalene	15.100	128	113610	17.10	ug/l	100
92) 1,2,3-Trichlorobenzene	15.280	180	38205	18.35	ug/l	98

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

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