

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020321\
 Data File : VN065697.D
 Acq On : 3 Feb 2021 13:39
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 10:33:13 AM

Quant Time: Feb 03 14:01:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 13:35:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.151	128	30316	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	172399	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	151992	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	62086	32.14	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	107.13%	
60) 4-Bromofluorobenzene	12.373	95	75107	31.97	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	106.57%	
63) Toluene-d8	10.058	98	215553	31.74	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	105.80%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.837	85	94011	60.62	ug/l	94
3) Chloromethane	2.036	50	134585	67.59	ug/l	99
4) Vinyl Chloride	2.168	62	134877	62.64	ug/l	97
5) Bromomethane	2.537	94	80812	54.95	ug/l	100
6) Chloroethane	2.679	64	78105	57.35	ug/l	97
7) Trichlorofluoromethane	2.994	101	140780	51.78	ug/l	100
8) Diethyl Ether	3.380	74	64267	57.03	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.717	101	86509	53.37	ug/l	91
10) 1,1-Dichloroethene	3.695	96	90840	54.21	ug/l	94
11) Methyl Iodide	3.907	142	130539	50.39	ug/l	97
12) Methyl Acetate	4.283	43	107031	62.71	ug/l	95
13) Acrolein	3.570	56	72093	255.42	ug/l	100
14) Acrylonitrile	4.936	53	246828	320.44	ug/l	98
15) Acetone	3.782	58	71946	295.59	ug/l	82
16) Carbon Disulfide	4.007	76	279151	64.86	ug/l	97
17) Allyl chloride	4.274	41	176524	69.95	ug/l	91
18) Methylene Chloride	4.502	84	105249	57.13	ug/l	95
19) trans-1,2-Dichloroethene	4.988	96	98836	57.87	ug/l	93
20) Diisopropyl ether	5.907	45	348849	66.48	ug/l	93
21) 1,1-Dichloroethane	5.795	63	192321	62.60	ug/l	99
22) cis-1,2-Dichloroethene	6.782	96	113653	57.22	ug/l	94
23) tert-Butyl Alcohol	4.759	59	87317	350.98	ug/l #	100
24) Methyl tert-Butyl Ether	5.000	73	302850	60.06	ug/l	99
25) Chloroform	7.328	83	175249	56.60	ug/l	97
26) Cyclohexane	7.611	56	179755	67.57	ug/l #	90
29) 1,1-Dichloropropene	7.750	75	142593	57.08	ug/l	97
30) 2-Butanone	6.795	43	316006	306.55	ug/l	96
31) 2,2-Dichloropropane	6.775	77	148853	57.53	ug/l	100
32) 1,1,1-Trichloroethane	7.528	97	141125	51.37	ug/l	98
33) Carbon Tetrachloride	7.730	117	118100	49.18	ug/l	98
34) Benzene	8.000	78	440784	57.41	ug/l #	91
35) Methacrylonitrile	7.126	41	66696	64.30	ug/l	94
36) 1,2-Dichloroethane	8.084	62	132387	53.42	ug/l	99
37) Trichloroethene	8.798	130	106479	48.28	ug/l	90
38) Methylcyclohexane	9.042	83	168665	57.77	ug/l	96
39) 1,2-Dichloropropane	9.084	63	118858	59.17	ug/l	98
40) Dibromomethane	9.174	93	66895	51.25	ug/l	84
41) Bromodichloromethane	9.370	83	137368	53.86	ug/l	99
42) Vinyl Acetate	5.846	43	1414030	317.04	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.888	43	136048	62.30	ug/l	97
44) Isopropyl Acetate	8.129	43	225490	61.60	ug/l	97
45) 1,4-Dioxane	9.174	88	37633	1377.61	ug/l	92
46) Methyl methacrylate	9.164	41	107088	59.70	ug/l	95
47) n-amyl Acetate	12.039	43	193754	61.72	ug/l	96
48) t-1,3-Dichloropropene	10.351	75	163476	56.80	ug/l	97
49) cis-1,3-Dichloropropene	9.807	75	184896	58.37	ug/l	98
50) 1,1,2-Trichloroethane	10.531	97	99790	52.32	ug/l	95
51) Ethyl methacrylate	10.399	69	162550	59.04	ug/l	96
52) 1,3-Dichloropropane	10.675	76	178666	55.60	ug/l	99
53) Dibromochloromethane	10.872	129	100452	48.10	ug/l	100
54) 1,2-Dibromoethane	10.974	107	101054	49.96	ug/l	97
55) 2-Chloroethyl vinyl ether	9.663	63	357399	288.76	ug/l	97
56) Bromoform	12.097	173	64133	40.45	ug/l #	96
58) 4-Methyl-2-Pentanone	9.952	43	648319	309.37	ug/l	98
59) 2-Hexanone	10.720	43	461099	304.14	ug/l	99
61) Tetrachloroethene	10.598	164	103553	44.31	ug/l	92
62) Toluene	10.122	91	456668	56.74	ug/l	100
64) Chlorobenzene	11.402	112	270986	52.71	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.476	131	93172	48.86	ug/l	96
66) Ethyl Benzene	11.479	91	488721	55.61	ug/l	98
67) m/p-Xylenes	11.592	106	364413	106.92	ug/l	97
68) o-Xylene	11.917	106	178435	54.05	ug/l	97
69) Styrene	11.933	104	294916	54.00	ug/l	98
70) Isopropylbenzene	12.219	105	462632	53.79	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.473	83	133325	54.15	ug/l	99
72) 1,2,3-Trichloropropane	12.524	75	133358m	56.14	ug/l	
73) Bromobenzene	12.495	156	103285	43.78	ug/l	70
74) n-propylbenzene	12.560	91	538677	55.74	ug/l	96
75) 2-Chlorotoluene	12.643	91	321980	55.06	ug/l	92
76) 1,3,5-Trimethylbenzene	12.704	105	387777	52.94	ug/l	97
77) t-1,4-Dichloro-2-butene	12.270	75	51865	61.40	ug/l	94
78) 4-Chlorotoluene	12.743	91	323303	55.03	ug/l	94
79) tert-butylbenzene	12.965	119	316386	50.49	ug/l	97
80) 1,2,4-Trimethylbenzene	13.010	105	387853	53.22	ug/l	99
81) sec-Butylbenzene	13.142	105	425853	52.27	ug/l	95
82) p-Isopropyltoluene	13.257	119	383781	50.83	ug/l	98
83) 1,3-Dichlorobenzene	13.254	146	186944	47.31	ug/l	97
84) 1,4-Dichlorobenzene	13.334	146	185438	47.91	ug/l	97
85) n-Butylbenzene	13.585	91	337429	55.51	ug/l	98
86) Hexachloroethane	13.842	117	66285	52.75	ug/l	73
87) 1,2-Dichlorobenzene	13.624	146	185837	47.61	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.238	75	26736	59.26	ug/l #	80
89) 1,2,4-Trichlorobenzene	14.878	180	103375	50.63	ug/l	98
90) Hexachlorobutadiene	14.977	225	42919	33.11	ug/l	98
91) Naphthalene	15.100	128	327713	62.02	ug/l	100
92) 1,2,3-Trichlorobenzene	15.280	180	103259	51.25	ug/l	98

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

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