

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010621\
 Data File : VN065388.D
 Acq On : 6 Jan 2021 9:26
 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
 1/7/2021 4:31:29 PM

Quant Time: Jan 07 01:15:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 21 13:17:58 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.151	128	59409	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	329829	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	305666	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	120358	27.92	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.07%		
60) 4-Bromofluorobenzene	12.373	95	139186	28.63	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.43%		
63) Toluene-d8	10.058	98	400581	29.55	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.50%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.849	85	61791	19.67	ug/l	98
3) Chloromethane	2.055	50	75910	20.61	ug/l	100
4) Vinyl Chloride	2.181	62	80660	20.83	ug/l	98
5) Bromomethane	2.541	94	57992	20.75	ug/l	94
6) Chloroethane	2.685	64	50970	20.60	ug/l	100
7) Trichlorofluoromethane	3.001	101	107673	19.15	ug/l	96
8) Diethyl Ether	3.386	74	43096	21.03	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.724	101	64546	20.68	ug/l #	42
10) 1,1-Dichloroethene	3.701	96	64889	20.50	ug/l	81
11) Methyl Iodide	3.914	142	92213	19.65	ug/l	89
12) Methyl Acetate	4.290	43	65099	19.83	ug/l	97
13) Acrolein	3.576	56	40163	89.69	ug/l	97
14) Acrylonitrile	4.946	53	147865	96.42	ug/l	99
15) Acetone	3.788	58	78939	162.56	ug/l	68
16) Carbon Disulfide	4.010	76	168497	18.44	ug/l	99
17) Allyl chloride	4.280	41	100363	17.96	ug/l	88
18) Methylene Chloride	4.508	84	73011	20.14	ug/l	90
19) trans-1,2-Dichloroethene	4.991	96	67441	19.40	ug/l	89
20) Diisopropyl ether	5.914	45	207654	18.53	ug/l	94
21) 1,1-Dichloroethane	5.801	63	121879	19.37	ug/l	96
22) cis-1,2-Dichloroethene	6.782	96	78635	19.68	ug/l	83
23) tert-Butyl Alcohol	4.775	59	52690m	80.99	ug/l	
24) Methyl tert-Butyl Ether	5.007	73	195583	17.70	ug/l #	81
25) Chloroform	7.332	83	123307	19.00	ug/l	100
26) Cyclohexane	7.611	56	103565	18.64	ug/l #	93
29) 1,1-Dichloropropene	7.753	75	93032	19.09	ug/l	96
30) 2-Butanone	6.798	43	236801	106.58	ug/l #	75
31) 2,2-Dichloropropane	6.779	77	104248	17.45	ug/l	95
32) 1,1,1-Trichloroethane	7.528	97	105779	18.03	ug/l	96
33) Carbon Tetrachloride	7.733	117	91778	17.78	ug/l	99
34) Benzene	8.004	78	285026	19.85	ug/l	94
35) Methacrylonitrile	7.129	41	36744	17.91	ug/l	88
36) 1,2-Dichloroethane	8.087	62	95354	17.93	ug/l #	92
37) Trichloroethene	8.801	130	84027	20.43	ug/l	88
38) Methylcyclohexane	9.045	83	111004	18.57	ug/l	92
39) 1,2-Dichloropropane	9.084	63	73826	19.69	ug/l	100
40) Dibromomethane	9.174	93	47683	18.87	ug/l	78
41) Bromodichloromethane	9.370	83	96208	17.90	ug/l	99
42) Vinyl Acetate	5.853	43	850108	88.36	ug/l #	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.891	43	83803	19.21	ug/l	99
44) Isopropyl Acetate	8.129	43	137071	16.66	ug/l #	90
45) 1,4-Dioxane	9.171	88	23107	371.81	ug/l	93
46) Methyl methacrylate	9.167	41	65930	16.88	ug/l	82
47) n-amyl Acetate	12.042	43	115007	16.66	ug/l	97
48) t-1,3-Dichloropropene	10.351	75	106889	17.68	ug/l	97
49) cis-1,3-Dichloropropene	9.807	75	116901	18.31	ug/l #	87
50) 1,1,2-Trichloroethane	10.534	97	70836	19.90	ug/l	94
51) Ethyl methacrylate	10.399	69	100409	18.06	ug/l	86
52) 1,3-Dichloropropane	10.675	76	118635	19.98	ug/l	99
53) Dibromochloromethane	10.872	129	78802	18.54	ug/l	97
54) 1,2-Dibromoethane	10.974	107	74902	19.66	ug/l	97
55) 2-Chloroethyl vinyl ether	9.663	63	150651	54.73	ug/l	96
56) Bromoform	12.100	173	58779	17.86	ug/l #	96
58) 4-Methyl-2-Pentanone	9.952	43	408435	87.43	ug/l #	92
59) 2-Hexanone	10.724	43	326139	94.76	ug/l	89
61) Tetrachloroethene	10.602	164	100206	21.85	ug/l #	87
62) Toluene	10.122	91	316107	19.46	ug/l	99
64) Chlorobenzene	11.405	112	198199	19.78	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.479	131	74409	18.77	ug/l	100
66) Ethyl Benzene	11.483	91	345685	19.07	ug/l	97
67) m/p-Xylenes	11.592	106	264875	38.70	ug/l	94
68) o-Xylene	11.920	106	128940	19.50	ug/l	94
69) Styrene	11.936	104	212917	19.17	ug/l	94
70) Isopropylbenzene	12.222	105	340374	19.29	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.476	83	89604	18.75	ug/l	97
72) 1,2,3-Trichloropropane	12.527	75	90381m	18.58	ug/l	
73) Bromobenzene	12.499	156	91693	19.93	ug/l	76
74) n-propylbenzene	12.563	91	383526	19.14	ug/l	95
75) 2-Chlorotoluene	12.646	91	229838	19.38	ug/l	92
76) 1,3,5-Trimethylbenzene	12.704	105	287247	19.08	ug/l	93
77) t-1,4-Dichloro-2-butene	12.273	75	31789	16.63	ug/l	95
78) 4-Chlorotoluene	12.746	91	228343	19.00	ug/l	92
79) tert-butylbenzene	12.965	119	245435	19.11	ug/l	90
80) 1,2,4-Trimethylbenzene	13.013	105	288209	19.35	ug/l	97
81) sec-Butylbenzene	13.145	105	321653	19.09	ug/l	97
82) p-Isopropyltoluene	13.261	119	298185	19.16	ug/l	96
83) 1,3-Dichlorobenzene	13.257	146	152923	20.06	ug/l	95
84) 1,4-Dichlorobenzene	13.338	146	147883	19.47	ug/l	94
85) n-Butylbenzene	13.589	91	246220	18.48	ug/l	96
86) Hexachloroethane	13.846	117	47568	16.84	ug/l	63
87) 1,2-Dichlorobenzene	13.627	146	149798	20.28	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.244	75	16682	16.69	ug/l #	67
89) 1,2,4-Trichlorobenzene	14.881	180	72836	18.38	ug/l	94
90) Hexachlorobutadiene	14.981	225	54195	20.65	ug/l	99
91) Naphthalene	15.103	128	177106	16.71	ug/l	99
92) 1,2,3-Trichlorobenzene	15.283	180	71075	19.10	ug/l	94

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

