

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065335.D
 Acq On : 31 Dec 2020 9:35
 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
 1/4/2021 9:29:19 AM

Quant Time: Jan 01 01:12:45 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	7.155	128	49486	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	271415	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	249048	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	102083	28.43	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.77%		
60) 4-Bromofluorobenzene	12.376	95	113186	28.57	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.23%		
63) Toluene-d8	10.058	98	328055	29.70	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.849	85	46238	17.67	ug/l	97
3) Chloromethane	2.055	50	56572	18.44	ug/l	99
4) Vinyl Chloride	2.181	62	59608	18.48	ug/l	99
5) Bromomethane	2.541	94	41133	17.67	ug/l	96
6) Chloroethane	2.685	64	37604	18.25	ug/l	99
7) Trichlorofluoromethane	3.000	101	79794	17.04	ug/l	95
8) Diethyl Ether	3.386	74	31738	18.59	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.721	101	47487	18.26	ug/l	46
10) 1,1-Dichloroethene	3.701	96	47733	18.11	ug/l	83
11) Methyl Iodide	3.910	142	63980	16.37	ug/l	90
12) Methyl Acetate	4.293	43	50829	18.59	ug/l	96
13) Acrolein	3.576	56	50594	135.64	ug/l	99
14) Acrylonitrile	4.946	53	113769	89.07	ug/l	99
15) Acetone	3.788	58	58118	143.68	ug/l #	63
16) Carbon Disulfide	4.007	76	127973	16.81	ug/l	99
17) Allyl chloride	4.277	41	77686	16.69	ug/l	90
18) Methylene Chloride	4.508	84	53969	17.87	ug/l	91
19) trans-1,2-Dichloroethene	4.988	96	50099	17.30	ug/l	91
20) Diisopropyl ether	5.917	45	157787	16.91	ug/l	93
21) 1,1-Dichloroethane	5.801	63	89975	17.17	ug/l	97
22) cis-1,2-Dichloroethene	6.785	96	57860	17.39	ug/l	85
23) tert-Butyl Alcohol	4.772	59	40047	73.90	ug/l #	100
24) Methyl tert-Butyl Ether	5.007	73	149778	16.27	ug/l #	83
25) Chloroform	7.331	83	92641	17.13	ug/l	97
26) Cyclohexane	7.611	56	78510	16.96	ug/l #	95
29) 1,1-Dichloropropene	7.753	75	69187	17.26	ug/l	97
30) 2-Butanone	6.801	43	181354	99.20	ug/l #	74
31) 2,2-Dichloropropane	6.782	77	78653	16.00	ug/l	95
32) 1,1,1-Trichloroethane	7.528	97	79582	16.48	ug/l	96
33) Carbon Tetrachloride	7.733	117	68524	16.13	ug/l	99
34) Benzene	8.003	78	211247	17.88	ug/l	96
35) Methacrylonitrile	7.132	41	32144	19.04	ug/l	90
36) 1,2-Dichloroethane	8.087	62	73122	16.71	ug/l #	94
37) Trichloroethene	8.801	130	61218	18.09	ug/l	89
38) Methylcyclohexane	9.045	83	82471	16.77	ug/l	93
39) 1,2-Dichloropropane	9.084	63	55453	17.97	ug/l	99
40) Dibromomethane	9.177	93	36648	17.62	ug/l	80
41) Bromodichloromethane	9.370	83	72391	16.36	ug/l	99
42) Vinyl Acetate	5.852	43	654035	82.61	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.891	43	65857	18.34	ug/l	96
44) Isopropyl Acetate	8.132	43	107192	15.84	ug/l #	89
45) 1,4-Dioxane	9.171	88	18223	356.33	ug/l #	94
46) Methyl methacrylate	9.167	41	51089	15.90	ug/l	85
47) n-amyl Acetate	12.042	43	89771	15.80	ug/l	98
48) t-1,3-Dichloropropene	10.351	75	78702	15.82	ug/l	100
49) cis-1,3-Dichloropropene	9.807	75	86869	16.53	ug/l	89
50) 1,1,2-Trichloroethane	10.531	97	53038	18.11	ug/l	96
51) Ethyl methacrylate	10.399	69	76029	16.62	ug/l	88
52) 1,3-Dichloropropane	10.675	76	88137	18.04	ug/l	99
53) Dibromochloromethane	10.872	129	57943	16.56	ug/l	99
54) 1,2-Dibromoethane	10.974	107	55093	17.57	ug/l	98
55) 2-Chloroethyl vinyl ether	9.663	63	181187	79.99	ug/l	97
56) Bromoform	12.100	173	43264	15.97	ug/l #	97
58) 4-Methyl-2-Pentanone	9.952	43	319376	83.91	ug/l #	93
59) 2-Hexanone	10.724	43	253753	90.49	ug/l	91
61) Tetrachloroethene	10.601	164	72452	19.39	ug/l #	86
62) Toluene	10.122	91	232798	17.59	ug/l	98
64) Chlorobenzene	11.405	112	144866	17.74	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.479	131	54910	17.00	ug/l	99
66) Ethyl Benzene	11.482	91	252749	17.11	ug/l	96
67) m/p-Xylenes	11.592	106	195476	35.05	ug/l	92
68) o-Xylene	11.920	106	94418	17.53	ug/l	95
69) Styrene	11.936	104	154185	17.04	ug/l	95
70) Isopropylbenzene	12.222	105	248379	17.28	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.476	83	68107	17.49	ug/l	97
72) 1,2,3-Trichloropropane	12.527	75	72780m	18.36	ug/l	
73) Bromobenzene	12.498	156	67040	17.89	ug/l	75
74) n-propylbenzene	12.563	91	277842	17.02	ug/l	95
75) 2-Chlorotoluene	12.646	91	167872	17.37	ug/l	92
76) 1,3,5-Trimethylbenzene	12.704	105	210451	17.16	ug/l	93
77) t-1,4-Dichloro-2-butene	12.273	75	24092	15.47	ug/l	96
78) 4-Chlorotoluene	12.746	91	166974	17.05	ug/l	94
79) tert-butylbenzene	12.965	119	179657	17.17	ug/l	91
80) 1,2,4-Trimethylbenzene	13.013	105	210303	17.33	ug/l	99
81) sec-Butylbenzene	13.145	105	232586	16.94	ug/l	96
82) p-Isopropyltoluene	13.261	119	215260	16.98	ug/l	96
83) 1,3-Dichlorobenzene	13.254	146	106914	17.22	ug/l	94
84) 1,4-Dichlorobenzene	13.338	146	102839	16.62	ug/l	94
85) n-Butylbenzene	13.588	91	173597	15.99	ug/l	96
86) Hexachloroethane	13.846	117	34730	15.09	ug/l	65
87) 1,2-Dichlorobenzene	13.627	146	107623	17.88	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	14.244	75	12696	15.59	ug/l #	70
89) 1,2,4-Trichlorobenzene	14.881	180	46579	14.43	ug/l	94
90) Hexachlorobutadiene	14.981	225	37254	17.42	ug/l	95
91) Naphthalene	15.103	128	114722	13.29	ug/l	100
92) 1,2,3-Trichlorobenzene	15.283	180	45512	15.01	ug/l	95

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

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