

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065338.D
 Acq On : 31 Dec 2020 11:18
 Operator : JC/MD
 Sample : VN1231WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1231WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2021 9:29:27 AM

Quant Time: Jan 01 01:14:09 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	52788	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	284424	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	259491	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	105720	27.60	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	92.00%	
60) 4-Bromofluorobenzene	12.376	95	116875	28.32	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	94.40%	
63) Toluene-d8	10.058	98	339950	29.54	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	98.47%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.849	85	50677	18.16	ug/l	96
3) Chloromethane	2.055	50	62511	19.10	ug/l	98
4) Vinyl Chloride	2.180	62	66146	19.23	ug/l	100
5) Bromomethane	2.541	94	46785	18.84	ug/l	96
6) Chloroethane	2.685	64	41984	19.10	ug/l	99
7) Trichlorofluoromethane	3.000	101	87400	17.50	ug/l	94
8) Diethyl Ether	3.386	74	35919	19.73	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.724	101	51601	18.61	ug/l #	46
10) 1,1-Dichloroethene	3.701	96	53198	18.92	ug/l	82
11) Methyl Iodide	3.914	142	74916	17.97	ug/l	87
12) Methyl Acetate	4.290	43	56940	19.52	ug/l	96
13) Acrolein	3.579	56	44868	112.76	ug/l	99
14) Acrylonitrile	4.946	53	130316	95.64	ug/l	98
15) Acetone	3.791	58	40559	94.00	ug/l #	62
16) Carbon Disulfide	4.010	76	139041	17.12	ug/l	100
17) Allyl chloride	4.277	41	84788	17.07	ug/l	89
18) Methylene Chloride	4.508	84	59526	18.48	ug/l	92
19) trans-1,2-Dichloroethene	4.994	96	55558	17.99	ug/l	89
20) Diisopropyl ether	5.917	45	176465	17.73	ug/l	94
21) 1,1-Dichloroethane	5.804	63	101343	18.13	ug/l	96
22) cis-1,2-Dichloroethene	6.785	96	65158	18.35	ug/l	83
23) tert-Butyl Alcohol	4.775	59	47511	82.19	ug/l #	100
24) Methyl tert-Butyl Ether	5.010	73	169008	17.21	ug/l #	79
25) Chloroform	7.331	83	103622	17.97	ug/l	99
26) Cyclohexane	7.614	56	84769	17.17	ug/l #	92
29) 1,1-Dichloropropene	7.753	75	76034	18.10	ug/l	96
30) 2-Butanone	6.801	43	174411	91.03	ug/l #	75
31) 2,2-Dichloropropane	6.782	77	84154	16.34	ug/l	95
32) 1,1,1-Trichloroethane	7.528	97	88411	17.47	ug/l	95
33) Carbon Tetrachloride	7.737	117	76064	17.08	ug/l	98
34) Benzene	8.003	78	237893	19.21	ug/l	96
35) Methacrylonitrile	7.132	41	34417	19.46	ug/l	90
36) 1,2-Dichloroethane	8.087	62	82472	17.99	ug/l #	93
37) Trichloroethene	8.801	130	67775	19.11	ug/l	90
38) Methylcyclohexane	9.045	83	90849	17.62	ug/l	93
39) 1,2-Dichloropropane	9.084	63	61500	19.02	ug/l	100
40) Dibromomethane	9.177	93	41550	19.06	ug/l	81
41) Bromodichloromethane	9.370	83	82604	17.82	ug/l	97
42) Vinyl Acetate	5.852	43	746047	89.93	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.894	43	74348	19.76	ug/l	100
44) Isopropyl Acetate	8.132	43	124066	17.49	ug/l #	91
45) 1,4-Dioxane	9.171	88	21897	408.59	ug/l #	89
46) Methyl methacrylate	9.171	41	58261	17.30	ug/l	83
47) n-amyl Acetate	12.045	43	101583	17.06	ug/l	99
48) t-1,3-Dichloropropene	10.354	75	90062	17.28	ug/l	99
49) cis-1,3-Dichloropropene	9.807	75	99688	18.11	ug/l #	88
50) 1,1,2-Trichloroethane	10.534	97	59313	19.33	ug/l	96
51) Ethyl methacrylate	10.399	69	86540	18.05	ug/l	88
52) 1,3-Dichloropropane	10.679	76	99442	19.42	ug/l	98
53) Dibromochloromethane	10.871	129	65522	17.87	ug/l	99
54) 1,2-Dibromoethane	10.978	107	62916	19.15	ug/l	98
55) 2-Chloroethyl vinyl ether	9.663	63	184790	77.85	ug/l	97
56) Bromoform	12.100	173	49370	17.39	ug/l #	95
58) 4-Methyl-2-Pentanone	9.955	43	361109	91.06	ug/l #	92
59) 2-Hexanone	10.724	43	261171	89.39	ug/l	90
61) Tetrachloroethene	10.601	164	78518	20.17	ug/l	88
62) Toluene	10.126	91	258453	18.74	ug/l	98
64) Chlorobenzene	11.405	112	161898	19.03	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.479	131	61326	18.22	ug/l	99
66) Ethyl Benzene	11.482	91	281122	18.26	ug/l	96
67) m/p-Xylenes	11.595	106	215865	37.15	ug/l	93
68) o-Xylene	11.920	106	102786	18.31	ug/l	99
69) Styrene	11.936	104	172940	18.34	ug/l	95
70) Isopropylbenzene	12.222	105	274964	18.36	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.476	83	78505	19.35	ug/l	97
72) 1,2,3-Trichloropropane	12.527	75	82365m	19.94	ug/l	
73) Bromobenzene	12.498	156	75510	19.33	ug/l	76
74) n-propylbenzene	12.566	91	309326	18.18	ug/l	95
75) 2-Chlorotoluene	12.646	91	186183	18.49	ug/l	91
76) 1,3,5-Trimethylbenzene	12.707	105	234183	18.32	ug/l	94
77) t-1,4-Dichloro-2-butene	12.273	75	27606	17.01	ug/l	92
78) 4-Chlorotoluene	12.746	91	183828	18.02	ug/l	92
79) tert-butylbenzene	12.968	119	197643	18.13	ug/l	91
80) 1,2,4-Trimethylbenzene	13.013	105	233672	18.48	ug/l	97
81) sec-Butylbenzene	13.145	105	257716	18.01	ug/l	97
82) p-Isopropyltoluene	13.264	119	236848	17.93	ug/l	96
83) 1,3-Dichlorobenzene	13.257	146	121311	18.75	ug/l	95
84) 1,4-Dichlorobenzene	13.338	146	117920	18.29	ug/l	94
85) n-Butylbenzene	13.588	91	193464	17.11	ug/l	96
86) Hexachloroethane	13.846	117	39036	16.28	ug/l	66
87) 1,2-Dichlorobenzene	13.627	146	122073	19.47	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.244	75	14835	17.49	ug/l #	69
89) 1,2,4-Trichlorobenzene	14.884	180	55645	16.54	ug/l	94
90) Hexachlorobutadiene	14.981	225	41498	18.63	ug/l	97
91) Naphthalene	15.103	128	145598	16.19	ug/l	100
92) 1,2,3-Trichlorobenzene	15.283	180	54951	17.40	ug/l	95

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

