

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021221\
 Data File : VN065852.D
 Acq On : 12 Feb 2021 20:50
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 2/15/2021 1:32:28 PM

Quant Time: Feb 13 01:02:54 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	7.148	128	29728	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	168204	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	150345	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	58358	28.30	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.33%		
60) 4-Bromofluorobenzene	12.370	95	70916	28.99	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.63%		
63) Toluene-d8	10.055	98	210712	29.15	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.17%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.837	85	33858	19.06	ug/l	98
3) Chloromethane	2.039	50	46229	17.75	ug/l	99
4) Vinyl Chloride	2.168	62	48197	18.71	ug/l	100
5) Bromomethane	2.538	94	27186	17.69	ug/l	96
6) Chloroethane	2.679	64	27126	18.24	ug/l	98
7) Trichlorofluoromethane	2.991	101	50885	19.05	ug/l	98
8) Diethyl Ether	3.377	74	23330	19.05	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.714	101	32764	20.07	ug/l	92
10) 1,1-Dichloroethene	3.695	96	33739	19.41	ug/l	97
11) Methyl Iodide	3.904	142	41716	17.03	ug/l	97
12) Methyl Acetate	4.283	43	35112	16.68	ug/l	99
13) Acrolein	3.570	56	30025	106.20	ug/l	99
14) Acrylonitrile	4.936	53	77309	82.62	ug/l	99
15) Acetone	3.779	58	20212	70.60	ug/l	96
16) Carbon Disulfide	4.000	76	93303	17.11	ug/l	100
17) Allyl chloride	4.271	41	53257	16.14	ug/l	93
18) Methylene Chloride	4.499	84	38811	18.94	ug/l	96
19) trans-1,2-Dichloroethene	4.984	96	35302	18.57	ug/l	95
20) Diisopropyl ether	5.910	45	113133	17.00	ug/l	94
21) 1,1-Dichloroethane	5.795	63	66518	18.11	ug/l	99
22) cis-1,2-Dichloroethene	6.779	96	40601	18.59	ug/l	100
23) tert-Butyl Alcohol	4.766	59	24990	74.65	ug/l #	100
24) Methyl tert-Butyl Ether	5.000	73	105121	18.09	ug/l	96
25) Chloroform	7.325	83	62202	18.67	ug/l	94
26) Cyclohexane	7.608	56	60082	17.49	ug/l #	92
29) 1,1-Dichloropropene	7.750	75	48811	17.97	ug/l	98
30) 2-Butanone	6.795	43	90957	74.81	ug/l	99
31) 2,2-Dichloropropane	6.775	77	45060	15.85	ug/l	97
32) 1,1,1-Trichloroethane	7.524	97	49334	18.31	ug/l	98
33) Carbon Tetrachloride	7.730	117	40324	18.12	ug/l	97
34) Benzene	8.000	78	155165	18.49	ug/l	96
35) Methacrylonitrile	7.123	41	19187	15.02	ug/l	99
36) 1,2-Dichloroethane	8.084	62	45713	18.14	ug/l	97
37) Trichloroethene	8.801	130	39626	19.56	ug/l	97
38) Methylcyclohexane	9.042	83	55969	17.38	ug/l	98
39) 1,2-Dichloropropane	9.081	63	40944	17.96	ug/l	99
40) Dibromomethane	9.171	93	23182	17.94	ug/l	86
41) Bromodichloromethane	9.367	83	44834	17.13	ug/l	99
42) Vinyl Acetate	5.846	43	422937	79.41	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.888	43	40954	16.44	ug/l	94
44) Isopropyl Acetate	8.129	43	67040	15.57	ug/l	93
45) 1,4-Dioxane	9.167	88	11516	322.42	ug/l	95
46) Methyl methacrylate	9.167	41	33789	16.37	ug/l	95
47) n-amyl Acetate	12.042	43	56251	15.61	ug/l	100
48) t-1,3-Dichloropropene	10.351	75	50689	16.40	ug/l	98
49) cis-1,3-Dichloropropene	9.804	75	59516	16.99	ug/l	96
50) 1,1,2-Trichloroethane	10.531	97	35688	18.87	ug/l	98
51) Ethyl methacrylate	10.399	69	52600	17.27	ug/l	90
52) 1,3-Dichloropropane	10.675	76	63262	18.68	ug/l	100
53) Dibromochloromethane	10.872	129	33562	17.51	ug/l	99
54) 1,2-Dibromoethane	10.974	107	36237	19.12	ug/l	96
55) 2-Chloroethyl vinyl ether	9.663	63	123871	91.56	ug/l	98
56) Bromoform	12.097	173	20997	17.35	ug/l #	96
58) 4-Methyl-2-Pentanone	9.952	43	198918	79.65	ug/l	97
59) 2-Hexanone	10.720	43	138480	77.47	ug/l	97
61) Tetrachloroethene	10.598	164	37516	18.95	ug/l	95
62) Toluene	10.122	91	164850	18.75	ug/l	99
64) Chlorobenzene	11.402	112	97949	18.89	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.479	131	32996	18.29	ug/l	96
66) Ethyl Benzene	11.479	91	173112	18.40	ug/l	100
67) m/p-Xylenes	11.592	106	133644	38.14	ug/l	99
68) o-Xylene	11.917	106	64721	18.97	ug/l	98
69) Styrene	11.933	104	104742	18.98	ug/l	99
70) Isopropylbenzene	12.219	105	165826	18.92	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.473	83	48676	18.93	ug/l	97
72) 1,2,3-Trichloropropane	12.524	75	44312m	17.59	ug/l	
73) Bromobenzene	12.495	156	38437	19.47	ug/l	80
74) n-propylbenzene	12.560	91	184049	18.17	ug/l	97
75) 2-Chlorotoluene	12.643	91	112122	18.27	ug/l	94
76) 1,3,5-Trimethylbenzene	12.704	105	138566	18.88	ug/l	97
77) t-1,4-Dichloro-2-butene	12.270	75	13124	13.35	ug/l	99
78) 4-Chlorotoluene	12.743	91	110121	18.04	ug/l	97
79) tert-butylbenzene	12.965	119	115128	18.99	ug/l	99
80) 1,2,4-Trimethylbenzene	13.010	105	137560	18.73	ug/l	97
81) sec-Butylbenzene	13.142	105	148373	18.33	ug/l	96
82) p-Isopropyltoluene	13.257	119	131343	18.22	ug/l	99
83) 1,3-Dichlorobenzene	13.254	146	65517	18.97	ug/l	97
84) 1,4-Dichlorobenzene	13.335	146	62946	18.58	ug/l	95
85) n-Butylbenzene	13.585	91	107493	17.09	ug/l	98
86) Hexachloroethane	13.843	117	19608	15.67	ug/l	76
87) 1,2-Dichlorobenzene	13.624	146	64841	18.78	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.241	75	7388	14.91	ug/l	82
89) 1,2,4-Trichlorobenzene	14.878	180	29274	16.26	ug/l	99
90) Hexachlorobutadiene	14.978	225	14542	17.81	ug/l	96
91) Naphthalene	15.100	128	93875	16.29	ug/l	100
92) 1,2,3-Trichlorobenzene	15.280	180	29762	16.48	ug/l	98

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

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