

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
 Data File : VN066132.D
 Acq On : 5 Mar 2021 14:02
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda

3/8/2021 10:53:32 AM

Quant Time: Mar 05 14:33:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 05 14:32:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.167	128	38109	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.556	114	209729	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	194528	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.997	65	98891	35.71	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	119.03%#		
60) 4-Bromofluorobenzene	12.373	95	98321	30.84	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.80%		
63) Toluene-d8	10.061	98	268281	29.00	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.67%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.872	85	32541	14.76	ug/l	94
3) Chloromethane	2.074	50	46327	14.39	ug/l	96
4) Vinyl Chloride	2.206	62	45014	14.19	ug/l	97
5) Bromomethane	2.576	94	33021	16.91	ug/l	97
6) Chloroethane	2.714	64	27265	14.78	ug/l	99
7) Trichlorofluoromethane	3.026	101	70392	19.97	ug/l	99
8) Diethyl Ether	3.412	74	24162	15.73	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.756	101	30178	14.92	ug/l	93
10) 1,1-Dichloroethene	3.737	96	34397	15.77	ug/l	92
11) Methyl Iodide	3.952	142	51242	16.51	ug/l	87
12) Methyl Acetate	4.312	43	37986	14.60	ug/l	97
13) Acrolein	3.602	56	32418	90.80	ug/l	97
14) Acrylonitrile	4.965	53	89286	76.55	ug/l	98
15) Acetone	3.811	58	28175	80.90	ug/l #	55
16) Carbon Disulfide	4.049	76	100203	14.78	ug/l	98
17) Allyl chloride	4.315	41	62006	15.05	ug/l	93
18) Methylene Chloride	4.537	84	42461	16.40	ug/l	93
19) trans-1,2-Dichloroethene	5.026	96	39481	16.37	ug/l	96
20) Diisopropyl ether	5.920	45	121400	14.74	ug/l #	87
21) 1,1-Dichloroethane	5.823	63	75895	16.36	ug/l	98
22) cis-1,2-Dichloroethene	6.801	96	47287	16.99	ug/l	95
23) tert-Butyl Alcohol	4.762	59	40852	94.69	ug/l #	100
24) Methyl tert-Butyl Ether	5.023	73	141875	18.75	ug/l	94
25) Chloroform	7.347	83	81235	18.77	ug/l	97
26) Cyclohexane	7.624	56	56682	13.50	ug/l #	97
29) 1,1-Dichloropropene	7.765	75	56211	16.70	ug/l	98
30) 2-Butanone	6.801	43	120529	81.41	ug/l	99
31) 2,2-Dichloropropane	6.794	77	75490	20.52	ug/l	95
32) 1,1,1-Trichloroethane	7.544	97	74287	21.09	ug/l	99
33) Carbon Tetrachloride	7.746	117	63089	21.56	ug/l	100
34) Benzene	8.013	78	170745	16.49	ug/l	97
35) Methacrylonitrile	7.151	41	24629m	15.31	ug/l	
36) 1,2-Dichloroethane	8.093	62	70446	21.39	ug/l	97
37) Trichloroethene	8.807	130	45734	17.97	ug/l	89
38) Methylcyclohexane	9.052	83	59649	15.21	ug/l	97
39) 1,2-Dichloropropane	9.087	63	43064	15.51	ug/l	96
40) Dibromomethane	9.180	93	30612	18.74	ug/l	85
41) Bromodichloromethane	9.373	83	66187	19.68	ug/l	97
42) Vinyl Acetate	5.868	43	516355	79.30	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.897	43	45934	15.21	ug/l	98
44) Isopropyl Acetate	8.132	43	88431	16.66	ug/l #	87
45) 1,4-Dioxane	9.174	88	15871	359.10	ug/l	96
46) Methyl methacrylate	9.167	41	41509	16.29	ug/l	95
47) n-amyl Acetate	12.042	43	54416	12.66	ug/l	97
48) t-1,3-Dichloropropene	10.351	75	75236	19.03	ug/l	98
49) cis-1,3-Dichloropropene	9.807	75	79292	17.96	ug/l	95
50) 1,1,2-Trichloroethane	10.531	97	41165	17.43	ug/l	97
51) Ethyl methacrylate	10.399	69	59641	15.93	ug/l	95
52) 1,3-Dichloropropane	10.675	76	72286	17.17	ug/l	99
53) Dibromochloromethane	10.871	129	49263	19.85	ug/l	99
54) 1,2-Dibromoethane	10.974	107	43578	18.20	ug/l	95
55) 2-Chloroethyl vinyl ether	9.666	63	116052	72.85	ug/l	99
56) Bromoform	12.100	173	32406	20.48	ug/l #	94
58) 4-Methyl-2-Pentanone	9.952	43	244829	78.09	ug/l	98
59) 2-Hexanone	10.720	43	162156	73.02	ug/l	98
61) Tetrachloroethene	10.601	164	48426	18.72	ug/l	92
62) Toluene	10.122	91	184275	16.40	ug/l	97
64) Chlorobenzene	11.405	112	117077	17.42	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.479	131	45689	19.17	ug/l	97
66) Ethyl Benzene	11.482	91	210038	17.27	ug/l	99
67) m/p-Xylenes	11.592	106	162287	35.64	ug/l	95
68) o-Xylene	11.920	106	79545	17.92	ug/l	92
69) Styrene	11.936	104	126331	17.56	ug/l	94
70) Isopropylbenzene	12.219	105	206347	18.07	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.473	83	58555	17.63	ug/l	99
72) 1,2,3-Trichloropropane	12.524	75	60460m	18.75	ug/l	
73) Bromobenzene	12.495	156	49158	18.84	ug/l	81
74) n-propylbenzene	12.563	91	226091	17.23	ug/l	97
75) 2-Chlorotoluene	12.643	91	144562	18.07	ug/l	95
76) 1,3,5-Trimethylbenzene	12.704	105	184208	19.01	ug/l	96
77) t-1,4-Dichloro-2-butene	12.273	75	18815	15.07	ug/l	83
78) 4-Chlorotoluene	12.743	91	146362	18.24	ug/l	94
79) tert-butylbenzene	12.961	119	155868	19.39	ug/l	91
80) 1,2,4-Trimethylbenzene	13.010	105	179201	18.55	ug/l	98
81) sec-Butylbenzene	13.141	105	188888	17.93	ug/l	98
82) p-Isopropyltoluene	13.260	119	179829	18.87	ug/l	94
83) 1,3-Dichlorobenzene	13.254	146	83444	18.34	ug/l	96
84) 1,4-Dichlorobenzene	13.334	146	79368	17.83	ug/l	95
85) n-Butylbenzene	13.585	91	132860	16.39	ug/l	99
86) Hexachloroethane	13.842	117	25818	16.08	ug/l	81
87) 1,2-Dichlorobenzene	13.624	146	84805	18.64	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.241	75	12806	19.54	ug/l #	76
89) 1,2,4-Trichlorobenzene	14.878	180	39755	16.80	ug/l	95
90) Hexachlorobutadiene	14.977	225	21090	19.48	ug/l	97
91) Naphthalene	15.100	128	120743	16.06	ug/l	99
92) 1,2,3-Trichlorobenzene	15.276	180	43010	17.98	ug/l	96

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

