

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021021\
 Data File : VN065802.D
 Acq On : 10 Feb 2021 18:02
 Operator : JC/MD
 Sample : VN0210WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD02

Manual Integrations
 APPROVED

MMDadoda
 2/11/2021 1:17:49 PM

Quant Time: Feb 11 01:34:04 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	7.145	128	24436	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.544	114	132165	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	120322	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	47730	28.16	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.87%
60) 4-Bromofluorobenzene	12.370	95	56804	29.02	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.73%
63) Toluene-d8	10.055	98	169684	29.33	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.77%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.837	85	25988	17.80	ug/l	95
3) Chloromethane	2.039	50	35704	16.68	ug/l	99
4) Vinyl Chloride	2.168	62	36266	17.13	ug/l	98
5) Bromomethane	2.531	94	24087	19.06	ug/l	98
6) Chloroethane	2.676	64	19842	16.24	ug/l	98
7) Trichlorofluoromethane	2.988	101	40691	18.53	ug/l	94
8) Diethyl Ether	3.374	74	17386	17.27	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.714	101	24247	18.07	ug/l	96
10) 1,1-Dichloroethene	3.689	96	25173	17.61	ug/l	97
11) Methyl Iodide	3.901	142	39033	19.39	ug/l	97
12) Methyl Acetate	4.283	43	26375	15.24	ug/l	100
13) Acrolein	3.566	56	19015	81.82	ug/l	99
14) Acrylonitrile	4.936	53	59349	77.16	ug/l	98
15) Acetone	3.779	58	16317	69.34	ug/l	98
16) Carbon Disulfide	3.997	76	67721	15.11	ug/l	98
17) Allyl chloride	4.271	41	40912	15.09	ug/l	92
18) Methylene Chloride	4.496	84	29598	17.57	ug/l	97
19) trans-1,2-Dichloroethene	4.978	96	26437	16.92	ug/l	93
20) Diisopropyl ether	5.901	45	84778	15.49	ug/l	99
21) 1,1-Dichloroethane	5.791	63	49207	16.30	ug/l	99
22) cis-1,2-Dichloroethene	6.779	96	30901	17.21	ug/l	99
23) tert-Butyl Alcohol	4.759	59	20669	75.11	ug/l #	100
24) Methyl tert-Butyl Ether	4.991	73	79295	16.60	ug/l	97
25) Chloroform	7.322	83	46745	17.07	ug/l	95
26) Cyclohexane	7.608	56	44387	15.72	ug/l #	95
29) 1,1-Dichloropropene	7.746	75	36777	17.23	ug/l	99
30) 2-Butanone	6.795	43	72736	76.13	ug/l	99
31) 2,2-Dichloropropane	6.769	77	35725	15.99	ug/l	97
32) 1,1,1-Trichloroethane	7.521	97	37256	17.60	ug/l	100
33) Carbon Tetrachloride	7.727	117	30498	17.44	ug/l	98
34) Benzene	7.997	78	117544	17.83	ug/l	96
35) Methacrylonitrile	7.126	41	14876	14.82	ug/l	99
36) 1,2-Dichloroethane	8.081	62	35337	17.85	ug/l	96
37) Trichloroethene	8.798	130	30388	19.09	ug/l	95
38) Methylcyclohexane	9.042	83	43582	17.22	ug/l	97
39) 1,2-Dichloropropane	9.081	63	31039	17.33	ug/l	99
40) Dibromomethane	9.171	93	18611	18.33	ug/l	87
41) Bromodichloromethane	9.367	83	35262	17.15	ug/l	99
42) Vinyl Acetate	5.843	43	323583	77.32	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.885	43	30746	15.71	ug/l	96
44) Isopropyl Acetate	8.126	43	52793	15.60	ug/l	95
45) 1,4-Dioxane	9.164	88	9955	354.72	ug/l	96
46) Methyl methacrylate	9.164	41	24962	15.39	ug/l	94
47) n-amyl Acetate	12.042	43	43066	15.21	ug/l	98
48) t-1,3-Dichloropropene	10.348	75	38872	16.00	ug/l	99
49) cis-1,3-Dichloropropene	9.804	75	45695	16.60	ug/l	96
50) 1,1,2-Trichloroethane	10.528	97	27544	18.54	ug/l	97
51) Ethyl methacrylate	10.399	69	39638	16.57	ug/l	95
52) 1,3-Dichloropropane	10.676	76	47522	17.86	ug/l	100
53) Dibromochloromethane	10.868	129	26243	17.43	ug/l	98
54) 1,2-Dibromoethane	10.971	107	27413	18.41	ug/l	99
55) 2-Chloroethyl vinyl ether	9.659	63	87668	82.47	ug/l	97
56) Bromoform	12.097	173	16734	17.60	ug/l #	95
58) 4-Methyl-2-Pentanone	9.949	43	156431	78.27	ug/l	99
59) 2-Hexanone	10.721	43	106324	74.32	ug/l	96
61) Tetrachloroethene	10.598	164	30683	19.37	ug/l	94
62) Toluene	10.119	91	124171	17.65	ug/l	100
64) Chlorobenzene	11.402	112	74671	17.99	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.476	131	25664	17.78	ug/l	95
66) Ethyl Benzene	11.479	91	130941	17.39	ug/l	99
67) m/p-Xylenes	11.589	106	104102	37.12	ug/l	96
68) o-Xylene	11.917	106	49683	18.19	ug/l	100
69) Styrene	11.933	104	80210	18.17	ug/l	100
70) Isopropylbenzene	12.219	105	127499	18.18	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.473	83	36331	17.66	ug/l	98
72) 1,2,3-Trichloropropane	12.524	75	34278m	17.01	ug/l	
73) Bromobenzene	12.495	156	29864	18.90	ug/l	80
74) n-propylbenzene	12.560	91	143373	17.68	ug/l	97
75) 2-Chlorotoluene	12.643	91	87601	17.84	ug/l	94
76) 1,3,5-Trimethylbenzene	12.701	105	108233	18.43	ug/l	99
77) t-1,4-Dichloro-2-butene	12.270	75	11175	14.20	ug/l	97
78) 4-Chlorotoluene	12.743	91	86859	17.78	ug/l	97
79) tert-butylbenzene	12.962	119	91134	18.79	ug/l	99
80) 1,2,4-Trimethylbenzene	13.010	105	106165	18.06	ug/l	100
81) sec-Butylbenzene	13.142	105	118092	18.23	ug/l	97
82) p-Isopropyltoluene	13.257	119	104930	18.19	ug/l	98
83) 1,3-Dichlorobenzene	13.251	146	51392	18.59	ug/l	97
84) 1,4-Dichlorobenzene	13.331	146	49218	18.15	ug/l	96
85) n-Butylbenzene	13.585	91	86212	17.13	ug/l	98
86) Hexachloroethane	13.843	117	16437	16.41	ug/l	78
87) 1,2-Dichlorobenzene	13.624	146	51090	18.49	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.238	75	5812	14.66	ug/l	86
89) 1,2,4-Trichlorobenzene	14.878	180	22274	15.46	ug/l	98
90) Hexachlorobutadiene	14.978	225	12513	19.15	ug/l	98
91) Naphthalene	15.100	128	66376	14.39	ug/l	99
92) 1,2,3-Trichlorobenzene	15.277	180	24360	16.85	ug/l	98

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

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