

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066711.D
 Acq On : 22 Apr 2021 13:52
 Operator : JC/MD
 Sample : VN0422WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2021 1:15:17 PM

Quant Time: Apr 23 06:29:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Apr 21 16:55:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.111	128	51151	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.516	114	269815	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.348	117	242941	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.950	65	107509	29.17	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.23%	
60) 4-Bromofluorobenzene	12.343	95	113107	29.70	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.00%	
63) Toluene-d8	10.026	98	342577	30.65	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.17%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.835	85	42774	16.98	ug/l	98
3) Chloromethane	2.034	50	66544	16.98	ug/l	100
4) Vinyl Chloride	2.163	62	64114	17.17	ug/l	98
5) Bromomethane	2.519	94	41333	18.83	ug/l	97
6) Chloroethane	2.661	64	39752	17.44	ug/l	99
7) Trichlorofluoromethane	2.973	101	73030	17.56	ug/l	99
8) Diethyl Ether	3.359	74	34437	18.65	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.699	101	47950	18.18	ug/l	98
10) 1,1-Dichloroethene	3.675	96	46346	17.43	ug/l	92
11) Methyl Iodide	3.884	142	72049	17.90	ug/l	95
12) Methyl Acetate	4.246	43	65553	18.09	ug/l	98
13) Acrolein	3.546	56	50877	99.26	ug/l	99
14) Acrylonitrile	4.893	53	139862	87.82	ug/l	99
15) Acetone	3.750	58	37030	88.59	ug/l	84
16) Carbon Disulfide	3.984	76	140189	17.10	ug/l	97
17) Allyl chloride	4.244	41	93653	17.77	ug/l	92
18) Methylene Chloride	4.469	84	62438	18.36	ug/l	97
19) trans-1,2-Dichloroethene	4.952	96	53450	17.76	ug/l	98
20) Diisopropyl ether	5.861	45	200819	18.12	ug/l	96
21) 1,1-Dichloroethane	5.756	63	107483	18.04	ug/l	100
22) cis-1,2-Dichloroethene	6.738	96	64326	18.43	ug/l	97
23) tert-Butyl Alcohol	4.700	59	45930	84.73	ug/l #	100
24) Methyl tert-Butyl Ether	4.949	73	174394	18.81	ug/l	95
25) Chloroform	7.288	83	103467	18.13	ug/l	97
26) Cyclohexane	7.575	56	90502	17.66	ug/l #	99
29) 1,1-Dichloropropene	7.717	75	74380	17.51	ug/l	99
30) 2-Butanone	6.743	43	177348	86.47	ug/l	99
31) 2,2-Dichloropropane	6.730	77	85241	17.41	ug/l	97
32) 1,1,1-Trichloroethane	7.492	97	83140	17.33	ug/l	98
33) Carbon Tetrachloride	7.695	117	70327	17.36	ug/l	97
34) Benzene	7.966	78	242888	17.74	ug/l	98
35) Methacrylonitrile	7.087	41	31447	15.93	ug/l	99
36) 1,2-Dichloroethane	8.050	62	79138	17.60	ug/l	98
37) Trichloroethene	8.766	130	58963	18.11	ug/l	98
38) Methylcyclohexane	9.012	83	90334	17.83	ug/l	98
39) 1,2-Dichloropropane	9.050	63	67068	17.94	ug/l	99
40) Dibromomethane	9.144	93	40210	17.94	ug/l	99
41) Bromodichloromethane	9.337	83	83699	17.79	ug/l	98
42) Vinyl Acetate	5.802	43	819907	89.19	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.840	43	77700	17.23	ug/l #	82
44) Isopropyl Acetate	8.090	43	134509m	17.88	ug/l	
45) 1,4-Dioxane	9.136	88	16733	305.68	ug/l	95
46) Methyl methacrylate	9.136	41	58231	16.94	ug/l	91
47) n-amyl Acetate	12.032	43	22278	5.37	ug/l	96
48) t-1,3-Dichloropropene	10.321	75	88239	17.16	ug/l	100
49) cis-1,3-Dichloropropene	9.777	75	101963	17.95	ug/l #	88
50) 1,1,2-Trichloroethane	10.498	97	58917	17.88	ug/l	98
51) Ethyl methacrylate	10.369	69	78318	16.83	ug/l	91
52) 1,3-Dichloropropane	10.646	76	98984	17.65	ug/l	99
53) Dibromochloromethane	10.841	129	62922	17.66	ug/l	99
54) 1,2-Dibromoethane	10.943	107	57957	17.54	ug/l	99
55) 2-Chloroethyl vinyl ether	9.632	63	55594	78.12	ug/l	99
56) Bromoform	12.072	173	43200	16.82	ug/l #	99
58) 4-Methyl-2-Pentanone	9.919	43	381015	92.09	ug/l	99
59) 2-Hexanone	10.691	43	224319	84.33	ug/l	97
61) Tetrachloroethene	10.571	164	53641	20.00	ug/l	96
62) Toluene	10.090	91	255054	18.50	ug/l	99
64) Chlorobenzene	11.372	112	151233	18.33	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.450	131	58745	18.97	ug/l	99
66) Ethyl Benzene	11.453	91	265155	18.00	ug/l	99
67) m/p-Xylenes	11.563	106	199885	36.14	ug/l	98
68) o-Xylene	11.890	106	97941	18.26	ug/l	100
69) Styrene	11.909	104	151304	17.55	ug/l	99
70) Isopropylbenzene	12.193	105	253371	18.08	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.448	83	84828	18.33	ug/l	96
72) 1,2,3-Trichloropropane	12.499	75	76294m	18.94	ug/l	
73) Bromobenzene	12.469	156	65218	18.40	ug/l	98
74) n-propylbenzene	12.534	91	289834	17.82	ug/l	99
75) 2-Chlorotoluene	12.617	91	178804	18.37	ug/l	100
76) 1,3,5-Trimethylbenzene	12.676	105	214429	18.09	ug/l	100
77) t-1,4-Dichloro-2-butene	12.247	75	20237	15.91	ug/l	87
78) 4-Chlorotoluene	12.716	91	173290	18.15	ug/l	98
79) tert-butylbenzene	12.936	119	179785	18.12	ug/l	98
80) 1,2,4-Trimethylbenzene	12.984	105	202288	17.80	ug/l	99
81) sec-Butylbenzene	13.113	105	233657	17.70	ug/l	99
82) p-Isopropyltoluene	13.231	119	201310	17.83	ug/l	98
83) 1,3-Dichlorobenzene	13.228	146	108522	18.44	ug/l	99
84) 1,4-Dichlorobenzene	13.309	146	108766	19.14	ug/l	92
85) n-Butylbenzene	13.558	91	157332	16.76	ug/l	98
86) Hexachloroethane	13.813	117	40949	17.22	ug/l	95
87) 1,2-Dichlorobenzene	13.599	146	109751	18.99	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.221	75	13865	17.44	ug/l	95
89) 1,2,4-Trichlorobenzene	14.854	180	62596	18.74	ug/l	96
90) Hexachlorobutadiene	14.948	225	34392	18.38	ug/l	99
91) Naphthalene	15.071	128	154601	19.25	ug/l	100
92) 1,2,3-Trichlorobenzene	15.251	180	61606	19.50	ug/l	99

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

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