

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050821\
 Data File : VN067055.D
 Acq On : 7 May 2021 16:52
 Operator : JC/MD
 Sample : VN0508WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 2:24:12 PM

Quant Time: May 08 03:25:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 07 07:26:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.112	128	77425	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	404207	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	382806	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	206621	30.46	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	101.53%	
60) 4-Bromofluorobenzene	12.350	95	188556	29.61	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.70%	
63) Toluene-d8	10.030	98	554734	29.26	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	97.53%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.834	85	109081	20.60	ug/l	100
3) Chloromethane	2.035	50	159607	19.76	ug/l	99
4) Vinyl Chloride	2.161	62	151940	19.45	ug/l	100
5) Bromomethane	2.505	94	82722	18.98	ug/l	98
6) Chloroethane	2.652	64	85443	18.98	ug/l	98
7) Trichlorofluoromethane	2.969	101	186579	19.66	ug/l	98
8) Diethyl Ether	3.352	74	62180	19.40	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.687	101	88996m	19.38	ug/l	
10) 1,1-Dichloroethene	3.674	96	85232	19.34	ug/l	98
11) Methyl Iodide	3.886	142	101455	16.92	ug/l	98
12) Methyl Acetate	4.253	43	112385	17.95	ug/l	97
13) Acrolein	3.545	56	134141	131.03	ug/l	99
14) Acrylonitrile	4.897	53	231854	93.61	ug/l	97
15) Acetone	3.754	58	65681	91.37	ug/l	85
16) Carbon Disulfide	3.982	76	283558	19.45	ug/l	99
17) Allyl chloride	4.248	41	171717	19.95	ug/l	99
18) Methylene Chloride	4.470	84	114499	19.14	ug/l	97
19) trans-1,2-Dichloroethene	4.953	96	96754	19.94	ug/l	98
20) Diisopropyl ether	5.865	45	316697	19.93	ug/l	96
21) 1,1-Dichloroethane	5.755	63	206229	19.52	ug/l	98
22) cis-1,2-Dichloroethene	6.742	96	110356	19.83	ug/l	99
23) tert-Butyl Alcohol	4.706	59	88659	89.87	ug/l #	100
24) Methyl tert-Butyl Ether	4.959	73	285510	19.55	ug/l #	83
25) Chloroform	7.289	83	199992	19.62	ug/l	99
26) Cyclohexane	7.582	56	145756	19.86	ug/l #	99
29) 1,1-Dichloropropene	7.716	75	137100	19.40	ug/l	99
30) 2-Butanone	6.750	43	314528	92.79	ug/l #	97
31) 2,2-Dichloropropane	6.734	77	180735	21.18	ug/l	97
32) 1,1,1-Trichloroethane	7.490	97	175303	19.10	ug/l	99
33) Carbon Tetrachloride	7.697	117	151911	19.02	ug/l	97
34) Benzene	7.968	78	435960	19.02	ug/l	98
35) Methacrylonitrile	7.099	41	62447m	19.70	ug/l	
36) 1,2-Dichloroethane	8.054	62	163693	19.17	ug/l	100
37) Trichloroethene	8.770	130	96199	19.40	ug/l	97
38) Methylcyclohexane	9.016	83	138442	19.68	ug/l	97
39) 1,2-Dichloropropane	9.051	63	121877	19.16	ug/l	100
40) Dibromomethane	9.145	93	73583	18.72	ug/l	99
41) Bromodichloromethane	9.338	83	156274	18.82	ug/l	100
42) Vinyl Acetate	5.806	43	1394429	95.46	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.844	43	131447	16.46	ug/l	99
44) Isopropyl Acetate	8.096	43	224160	18.48	ug/l	99
45) 1,4-Dioxane	9.137	88	28161	363.36	ug/l	97
46) Methyl methacrylate	9.140	41	92167	18.04	ug/l	98
48) t-1,3-Dichloropropene	10.325	75	167629	19.70	ug/l	94
49) cis-1,3-Dichloropropene	9.778	75	182369	19.55	ug/l	99
50) 1,1,2-Trichloroethane	10.502	97	105052	19.32	ug/l	98
51) Ethyl methacrylate	10.373	69	133981	18.85	ug/l	99
52) 1,3-Dichloropropane	10.650	76	180432	19.11	ug/l	99
53) Dibromochloromethane	10.843	129	114240	19.11	ug/l	100
54) 1,2-Dibromoethane	10.947	107	101633	19.55	ug/l	99
55) 2-Chloroethyl vinyl ether	9.636	63	146873	107.93	ug/l	99
56) Bromoform	12.074	173	71166	17.93	ug/l #	99
58) 4-Methyl-2-Pentanone	9.923	43	658791	91.92	ug/l	99
59) 2-Hexanone	10.698	43	383960	90.84	ug/l	98
61) Tetrachloroethene	10.575	164	83109	19.16	ug/l	92
62) Toluene	10.095	91	442751	18.75	ug/l	99
64) Chlorobenzene	11.377	112	262579	19.04	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.452	131	103771	18.86	ug/l	100
66) Ethyl Benzene	11.457	91	465101	19.40	ug/l	98
67) m/p-Xylenes	11.567	106	351422	39.04	ug/l	96
68) o-Xylene	11.894	106	171311	19.28	ug/l	99
69) Styrene	11.913	104	253784	18.58	ug/l	97
70) Isopropylbenzene	12.197	105	444326	19.28	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.452	83	151627	18.08	ug/l	96
72) 1,2,3-Trichloropropane	12.503	75	141113m	18.56	ug/l	
73) Bromobenzene	12.471	156	103773	18.65	ug/l	99
74) n-propylbenzene	12.538	91	502634	19.03	ug/l	99
75) 2-Chlorotoluene	12.621	91	327094	19.27	ug/l	99
76) 1,3,5-Trimethylbenzene	12.680	105	387544	19.02	ug/l	100
77) t-1,4-Dichloro-2-butene	12.256	75	30574	17.50	ug/l	100
78) 4-Chlorotoluene	12.723	91	303713	19.94	ug/l	99
79) tert-butylbenzene	12.940	119	320613	18.58	ug/l	99
80) 1,2,4-Trimethylbenzene	12.988	105	361506	18.93	ug/l	98
81) sec-Butylbenzene	13.117	105	423850	18.58	ug/l	98
82) p-Isopropyltoluene	13.238	119	341511	18.82	ug/l	99
83) 1,3-Dichlorobenzene	13.232	146	169614	18.37	ug/l	99
84) 1,4-Dichlorobenzene	13.313	146	152849	15.99	ug/l	92
85) n-Butylbenzene	13.565	91	237736	16.27	ug/l	92
86) Hexachloroethane	13.817	117	72527	18.05	ug/l	98
87) 1,2-Dichlorobenzene	13.603	146	174614	18.24	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.227	75	24934	15.34	ug/l #	74
89) 1,2,4-Trichlorobenzene	14.860	180	84801	17.55	ug/l	96
90) Hexachlorobutadiene	14.952	225	57855	17.74	ug/l	96
91) Naphthalene	15.078	128	219794	16.59	ug/l	98
92) 1,2,3-Trichlorobenzene	15.257	180	87347	17.26	ug/l	94

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

