

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061621\
 Data File : VN067368.D
 Acq On : 16 Jun 2021 17:38
 Operator : JC/MD
 Sample : VN0616WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 3:09:42 PM

Quant Time: Jun 17 04:21:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	61279	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	375418	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	339777	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	200485	31.13	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.77%			
60) 4-Bromofluorobenzene	12.736	95	187510	28.59	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.30%			
63) Toluene-d8	10.443	98	503049	31.04	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.47%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	87679	19.18	ug/l	97
3) Chloromethane	2.301	50	92714	18.92	ug/l	98
4) Vinyl Chloride	2.443	62	88747	18.34	ug/l	98
5) Bromomethane	2.853	94	45545	18.75	ug/l	98
6) Chloroethane	3.017	64	54442	19.27	ug/l	93
7) Trichlorofluoromethane	3.368	101	124031	19.19	ug/l	93
8) Diethyl Ether	3.819	74	50400	19.14	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.202	101	75456	19.75	ug/l	76
10) 1,1-Dichloroethene	4.173	96	70563	19.01	ug/l	94
11) Methyl Iodide	4.414	142	70222	15.73	ug/l	97
12) Methyl Acetate	4.856	43	106713	19.38	ug/l	96
13) Acrolein	4.038	56	68393	104.08	ug/l	99
14) Acrylonitrile	5.556	53	230284	99.61	ug/l	98
15) Acetone	4.288	58	58219	100.69	ug/l	96
16) Carbon Disulfide	4.524	76	228046	19.38	ug/l	99
17) Allyl chloride	4.840	41	153857	19.05	ug/l	100
18) Methylene Chloride	5.098	84	91689	20.13	ug/l	97
19) trans-1,2-Dichloroethene	5.599	96	78942	19.51	ug/l	91
20) Diisopropyl ether	6.498	45	314468	20.06	ug/l	97
21) 1,1-Dichloroethane	6.388	63	172925	19.92	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	95232	19.81	ug/l	98
23) tert-Butyl Alcohol	5.387	59	91056	88.86	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	309958	19.65	ug/l	98
25) Chloroform	7.817	83	171433	19.29	ug/l	99
26) Cyclohexane	8.096	56	151779	20.18	ug/l #	100
29) 1,1-Dichloropropene	8.222	75	126460	18.82	ug/l	99
30) 2-Butanone	7.343	43	326136	94.55	ug/l	99
31) 2,2-Dichloropropane	7.324	77	156772	21.79	ug/l	100
32) 1,1,1-Trichloroethane	8.016	97	151283	17.72	ug/l	97
33) Carbon Tetrachloride	8.206	117	122753	17.10	ug/l	96
34) Benzene	8.461	78	365503	19.34	ug/l	100
35) Methacrylonitrile	7.643	41	72427	19.48	ug/l	96
36) 1,2-Dichloroethane	8.533	62	149106	18.54	ug/l	99
37) Trichloroethene	9.217	130	81411	18.20	ug/l	99
38) Methylcyclohexane	9.461	83	147435	21.30	ug/l	99
39) 1,2-Dichloropropane	9.494	63	96891	18.99	ug/l	98
40) Dibromomethane	9.579	93	66081	18.86	ug/l	97
41) Bromodichloromethane	9.764	83	138966	18.39	ug/l	100
42) Vinyl Acetate	6.436	43	1377359m	94.88	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	127575	18.18	ug/l #	73
44) Isopropyl Acetate	8.566	43	240493	18.54	ug/l	99
45) 1,4-Dioxane	9.577	88	30711	363.59	ug/l #	87
46) Methyl methacrylate	9.563	41	104084	18.06	ug/l	95
47) n-amyl Acetate	12.390	43	189253	17.20	ug/l	100
48) t-1,3-Dichloropropene	10.722	75	157351	18.86	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	160496	19.15	ug/l	95
50) 1,1,2-Trichloroethane	10.902	97	86759	19.06	ug/l	98
51) Ethyl methacrylate	10.762	69	154975	18.64	ug/l	96
52) 1,3-Dichloropropane	11.046	76	160058	19.30	ug/l	99
53) Dibromochloromethane	11.242	129	86028	16.99	ug/l	98
54) 1,2-Dibromoethane	11.349	107	86791	18.28	ug/l	97
55) 2-Chloroethyl vinyl ether	10.046	63	207353	98.38	ug/l	98
56) Bromoform	12.463	173	53413	15.55	ug/l #	99
58) 4-Methyl-2-Pentanone	10.336	43	693532	92.86	ug/l	99
59) 2-Hexanone	11.089	43	488123	90.37	ug/l	99
61) Tetrachloroethene	10.979	164	72816	18.49	ug/l	97
62) Toluene	10.507	91	387994	19.08	ug/l	99
64) Chlorobenzene	11.773	112	219877	18.41	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.846	131	78138	17.31	ug/l	99
66) Ethyl Benzene	11.848	91	437889	18.54	ug/l	99
67) m/p-Xylenes	11.956	106	306395	36.78	ug/l	99
68) o-Xylene	12.286	106	151399	18.21	ug/l	98
69) Styrene	12.299	104	247433	17.70	ug/l	99
70) Isopropylbenzene	12.583	105	402921	18.81	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.833	83	122397	18.78	ug/l	99
72) 1,2,3-Trichloropropane	12.886	75	124542m	19.18	ug/l	
73) Bromobenzene	12.865	156	78132	17.53	ug/l	95
74) n-propylbenzene	12.924	91	496433	19.28	ug/l	99
75) 2-Chlorotoluene	13.012	91	300421	18.43	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	333469	18.37	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	41036	18.14	ug/l	98
78) 4-Chlorotoluene	13.109	91	296168	18.27	ug/l	98
79) tert-butylbenzene	13.326	119	266428	18.27	ug/l	99
80) 1,2,4-Trimethylbenzene	13.372	105	330028m	18.42	ug/l	
81) sec-Butylbenzene	13.506	105	394112	19.47	ug/l	100
82) p-Isopropyltoluene	13.618	119	304757	18.67	ug/l	100
83) 1,3-Dichlorobenzene	13.618	146	144596	17.99	ug/l	98
84) 1,4-Dichlorobenzene	13.699	146	138498	17.17	ug/l	98
85) n-Butylbenzene	13.946	91	303373	19.98	ug/l	99
86) Hexachloroethane	14.214	117	58397	17.48	ug/l	91
87) 1,2-Dichlorobenzene	13.991	146	140848	17.96	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	27381	16.59	ug/l	96
89) 1,2,4-Trichlorobenzene	15.268	180	71221	17.86	ug/l	98
90) Hexachlorobutadiene	15.375	225	36881	17.42	ug/l	97
91) Naphthalene	15.509	128	217245	16.22	ug/l	98
92) 1,2,3-Trichlorobenzene	15.705	180	66713	17.20	ug/l	99

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

