

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
 Data File : VN069445.D
 Acq On : 10 Nov 2021 17:18
 Operator : JC/MD
 Sample : VN1110WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Semsettin Yesilyurt 11/16/2021

Quant Time: Nov 10 17:35:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	184486	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1094387	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	993739	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.442	65	502423	31.401	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.667%			
60) 4-Bromofluorobenzene	12.733	95	474545	29.841	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.467%			
63) Toluene-d8	10.443	98	1420226	30.953	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.167%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	324078	23.773	ug/l	98
3) Chloromethane	2.306	50	331556	23.327	ug/l	97
4) Vinyl Chloride	2.448	62	332411	23.064	ug/l	99
5) Bromomethane	2.864	94	210757	22.833	ug/l	99
6) Chloroethane	3.025	64	204114	22.447	ug/l	98
7) Trichlorofluoromethane	3.379	101	494235	23.396	ug/l	99
8) Diethyl Ether	3.827	74	149113	22.362	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.208	101	227578	23.281	ug/l #	71
10) 1,1-Dichloroethene	4.181	96	205177	22.255	ug/l	89
11) Methyl Iodide	4.422	142	267178	20.800	ug/l	99
12) Methyl Acetate	4.857	43	566564	21.339	ug/l	90
13) Acrolein	4.044	56	54776	75.035	ug/l	99
14) Acrylonitrile	5.559	53	762741	105.296	ug/l	99
15) Acetone	4.288	58	242704	100.552	ug/l	82
16) Carbon Disulfide	4.529	76	497423	21.585	ug/l	98
17) Allyl chloride	4.840	41	433588	22.128	ug/l	91
18) Methylene Chloride	5.098	84	257678	21.939	ug/l	89
19) trans-1,2-Dichloroethene	5.599	96	222164	21.959	ug/l	90
20) Diisopropyl ether	6.498	45	936531	22.305	ug/l #	94
21) 1,1-Dichloroethane	6.391	63	477784	22.430	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	271073	21.603	ug/l	93
23) tert-Butyl Alcohol	5.382	59	259791	103.050	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	815090	22.060	ug/l	96
25) Chloroform	7.820	83	486192	22.075	ug/l	98
26) Cyclohexane	8.096	56	458237	22.658	ug/l #	87
29) 1,1-Dichloropropene	8.222	75	364001	21.789	ug/l	95
30) 2-Butanone	7.340	43	1197807	99.057	ug/l	92
31) 2,2-Dichloropropane	7.327	77	372582	21.096	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	407310	20.885	ug/l	96
33) Carbon Tetrachloride	8.206	117	336787	20.909	ug/l	98
34) Benzene	8.461	78	1088890	21.434	ug/l #	94
35) Methacrylonitrile	7.638	41	213140	19.218	ug/l	91
36) 1,2-Dichloroethane	8.531	62	418917	21.389	ug/l	99
37) Trichloroethene	9.217	130	258526	21.064	ug/l	89
38) Methylcyclohexane	9.461	83	455051	22.017	ug/l	91
39) 1,2-Dichloropropane	9.494	63	285060	21.186	ug/l	100
40) Dibromomethane	9.579	93	189550	21.035	ug/l	97
41) Bromodichloromethane	9.765	83	343344	20.300	ug/l	96
42) Vinyl Acetate	6.439	43	3596084	105.233	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	442045	19.726	ug/l	98
44) Isopropyl Acetate	8.563	43	730484	20.909	ug/l	94
45) 1,4-Dioxane	9.571	88	111369	392.698	ug/l	90
46) Methyl methacrylate	9.563	41	330850	20.562	ug/l	83
47) n-amyl Acetate	12.390	43	509822	19.003	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	361417	19.911	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	400804	20.292	ug/l	95
50) 1,1,2-Trichloroethane	10.899	97	265262	20.730	ug/l	96
51) Ethyl methacrylate	10.762	69	433094	20.187	ug/l	92
52) 1,3-Dichloropropane	11.047	76	467075	21.131	ug/l	100
53) Dibromochloromethane	11.240	129	240107	19.636	ug/l	100
54) 1,2-Dibromoethane	11.347	107	271455	20.483	ug/l	98
55) 2-Chloroethyl vinyl ether	10.043	63	310389	63.604	ug/l	97
56) Bromoform	12.460	173	161704	18.441	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	2351729	107.811	ug/l	94
59) 2-Hexanone	11.087	43	1690144	101.861	ug/l	95
61) Tetrachloroethene	10.980	164	237016	22.222	ug/l	95
62) Toluene	10.507	91	1199907	21.973	ug/l	98
64) Chlorobenzene	11.771	112	700310	21.375	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	250232	21.695	ug/l	99
66) Ethyl Benzene	11.846	91	1331631	22.031	ug/l	99
67) m/p-Xylenes	11.956	106	990582	44.124	ug/l	96
68) o-Xylene	12.283	106	487015	21.666	ug/l	97
69) Styrene	12.296	104	769604	21.118	ug/l	98
70) Isopropylbenzene	12.581	105	1292025	21.978	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	414296	21.358	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	342981m	18.150	ug/l	
73) Bromobenzene	12.862	156	287272	21.199	ug/l	95
74) n-propylbenzene	12.921	91	1472109	21.805	ug/l	99
75) 2-Chlorotoluene	13.010	91	890406	21.665	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	1058467	21.937	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	90050	17.654	ug/l	81
78) 4-Chlorotoluene	13.106	91	852215	21.653	ug/l	95
79) tert-butylbenzene	13.326	119	921134	21.702	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	1033511m	21.958	ug/l	
81) sec-Butylbenzene	13.503	105	1288037	21.689	ug/l	99
82) p-Isopropyltoluene	13.619	119	1034640	21.835	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	505569	21.821	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	479817	21.347	ug/l	98
85) n-Butylbenzene	13.943	91	827554	20.926	ug/l	99
86) Hexachloroethane	14.214	117	156769	19.991	ug/l	92
87) 1,2-Dichlorobenzene	13.989	146	490686	21.944	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.606	75	66004	19.437	ug/l	99
89) 1,2,4-Trichlorobenzene	15.265	180	220159	20.534	ug/l	95
90) Hexachlorobutadiene	15.370	225	130649	22.534	ug/l	100
91) Naphthalene	15.507	128	581915	18.841	ug/l	100
92) 1,2,3-Trichlorobenzene	15.702	180	213412	20.248	ug/l	99

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

