

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068729.D
 Acq On : 28 Sep 2021 19:38
 Operator : JC/MD
 Sample : VN0928WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:42 PM

Quant Time: Sep 29 09:07:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 08:56:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	74024	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	421932	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	395789	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	177934	31.185	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.933%			
60) 4-Bromofluorobenzene	12.734	95	178862	28.928	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.433%			
63) Toluene-d8	10.443	98	554446	30.993	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	60193	18.336	ug/l	95
3) Chloromethane	2.303	50	88317	21.022	ug/l	98
4) Vinyl Chloride	2.443	62	174588	21.317	ug/l	99
5) Bromomethane	2.864	94	162413	20.430	ug/l	97
6) Chloroethane	3.019	64	145202	21.809	ug/l	96
7) Trichlorofluoromethane	3.373	101	137863	20.178	ug/l	99
8) Diethyl Ether	3.824	74	50014m	21.377	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.213	101	78882	19.943	ug/l	74
10) 1,1-Dichloroethene	4.183	96	71675	19.636	ug/l	95
11) Methyl Iodide	4.425	142	78183	17.758	ug/l	96
12) Methyl Acetate	4.859	43	130507	20.702	ug/l	100
13) Acrolein	4.044	56	23808	89.960	ug/l	94
14) Acrylonitrile	5.557	53	209620	103.539	ug/l	99
15) Acetone	4.288	58	52117	92.930	ug/l	100
16) Carbon Disulfide	4.535	76	190197	19.242	ug/l	98
17) Allyl chloride	4.846	41	112152	19.337	ug/l	99
18) Methylene Chloride	5.101	84	94112	20.527	ug/l	96
19) trans-1,2-Dichloroethene	5.605	96	83581	19.373	ug/l	96
20) Diisopropyl ether	6.498	45	268642	19.920	ug/l	99
21) 1,1-Dichloroethane	6.393	63	159047	20.316	ug/l	97
22) cis-1,2-Dichloroethene	7.327	96	103532	19.722	ug/l	96
23) tert-Butyl Alcohol	5.369	59	79003	105.170	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	283379	19.764	ug/l	99
25) Chloroform	7.820	83	187634	20.328	ug/l	98
26) Cyclohexane	8.102	56	133845	19.642	ug/l #	99
29) 1,1-Dichloropropene	8.225	75	127013	18.943	ug/l	98
30) 2-Butanone	7.335	43	295548	98.133	ug/l	100
31) 2,2-Dichloropropane	7.327	77	138926	18.031	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	166529	19.380	ug/l	97
33) Carbon Tetrachloride	8.209	117	148023	19.380	ug/l	96
34) Benzene	8.461	78	388988	19.556	ug/l	98
35) Methacrylonitrile	7.638	41	56629	18.764	ug/l	95
36) 1,2-Dichloroethane	8.531	62	149085	20.034	ug/l	100
37) Trichloroethene	9.217	130	99858	18.986	ug/l	91
38) Methylcyclohexane	9.462	83	151667	18.273	ug/l	100
39) 1,2-Dichloropropane	9.491	63	98586	20.008	ug/l	98
40) Dibromomethane	9.580	93	74914	19.262	ug/l	99
41) Bromodichloromethane	9.765	83	147918	19.403	ug/l	94
42) Vinyl Acetate	6.436	43	1077346	96.605	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	131326m	21.814	ug/l	
44) Isopropyl Acetate	8.563	43	217507	19.947	ug/l	100
45) 1,4-Dioxane	9.574	88	36481	413.225	ug/l	98
46) Methyl methacrylate	9.563	41	91563	18.986	ug/l	97
47) n-amyl Acetate	12.390	43	169981	18.408	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	155300	18.745	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	160079	18.894	ug/l	97
50) 1,1,2-Trichloroethane	10.899	97	104150	19.325	ug/l	99
51) Ethyl methacrylate	10.765	69	150029	18.482	ug/l	99
52) 1,3-Dichloropropane	11.047	76	171002	19.607	ug/l	98
53) Dibromochloromethane	11.240	129	113372	18.519	ug/l	98
54) 1,2-Dibromoethane	11.347	107	109076	19.291	ug/l	98
55) 2-Chloroethyl vinyl ether	10.044	63	206801	91.246	ug/l	99
56) Bromoform	12.460	173	77561	17.568	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	693785	103.852	ug/l	99
59) 2-Hexanone	11.087	43	488625	100.411	ug/l	100
61) Tetrachloroethene	10.980	164	89846	19.369	ug/l	95
62) Toluene	10.508	91	465168	19.658	ug/l	100
64) Chlorobenzene	11.771	112	277079	19.081	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	108615	19.285	ug/l	98
66) Ethyl Benzene	11.846	91	509266	19.099	ug/l	99
67) m/p-Xylenes	11.956	106	387062	37.594	ug/l	99
68) o-Xylene	12.283	106	187802	18.529	ug/l	97
69) Styrene	12.296	104	308579	18.447	ug/l	99
70) Isopropylbenzene	12.581	105	505517	18.808	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	153547	20.276	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	133730m	21.797	ug/l	
73) Bromobenzene	12.862	156	113129	18.594	ug/l	99
74) n-propylbenzene	12.924	91	570931	18.528	ug/l	100
75) 2-Chlorotoluene	13.010	91	343309	19.089	ug/l	100
76) 1,3,5-Trimethylbenzene	13.061	105	414067	18.655	ug/l	98
77) t-1,4-Dichloro-2-butene	12.626	75	41897	17.507	ug/l	93
78) 4-Chlorotoluene	13.106	91	326992	18.357	ug/l	99
79) tert-butylbenzene	13.326	119	361087	18.636	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	409465m	18.610	ug/l	
81) sec-Butylbenzene	13.503	105	511404	18.411	ug/l	99
82) p-Isopropyltoluene	13.619	119	409906	17.815	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	199524	17.678	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	190042	17.699	ug/l	99
85) n-Butylbenzene	13.946	91	325943	17.221	ug/l	98
86) Hexachloroethane	14.211	117	79784	18.424	ug/l	100
87) 1,2-Dichlorobenzene	13.991	146	192257	18.423	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.603	75	27101	20.010	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	83309	16.249	ug/l	95
90) Hexachlorobutadiene	15.373	225	45963	17.986	ug/l	99
91) Naphthalene	15.507	128	221556	15.310	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	82329	16.749	ug/l	98

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

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