

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068701.D
 Acq On : 27 Sep 2021 12:55
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Sep 27 14:21:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 14:19:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	71874	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	398650	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	377807	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	209866	35.148	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 117.167%#	
60) 4-Bromofluorobenzene	12.734	95	220623	37.994	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 126.633%#	
63) Toluene-d8	10.449	98	569759	34.249	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 114.167%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	224759	56.841	ug/l	98
3) Chloromethane	2.301	50	279684	53.206	ug/l	100
4) Vinyl Chloride	2.443	62	349708	58.147	ug/l	100
5) Bromomethane	2.845	94	219358	55.771	ug/l	97
6) Chloroethane	3.011	64	246284	58.712	ug/l	97
7) Trichlorofluoromethane	3.371	101	400995	55.697	ug/l	99
8) Diethyl Ether	3.827	74	143355	55.139	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.213	101	219328	55.893	ug/l	98
10) 1,1-Dichloroethene	4.186	96	204274	54.654	ug/l	96
11) Methyl Iodide	4.422	142	268110	56.586	ug/l	98
12) Methyl Acetate	4.854	43	429756	53.451	ug/l	100
13) Acrolein	4.041	56	56573	232.875	ug/l #	31
14) Acrylonitrile	5.557	53	655169	276.490	ug/l	99
15) Acetone	4.283	58	174147	289.501	ug/l	95
16) Carbon Disulfide	4.535	76	570645	52.164	ug/l	98
17) Allyl chloride	4.841	41	406158	55.224	ug/l	99
18) Methylene Chloride	5.095	84	251164	54.972	ug/l	99
19) trans-1,2-Dichloroethene	5.600	96	224242	53.928	ug/l	97
20) Diisopropyl ether	6.495	45	881629	54.489	ug/l	99
21) 1,1-Dichloroethane	6.388	63	455412	52.988	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	274926	55.634	ug/l	97
23) tert-Butyl Alcohol	5.366	59	211489	267.142	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	787548	54.991	ug/l	99
25) Chloroform	7.818	83	498285	56.238	ug/l	97
26) Cyclohexane	8.099	56	479801	58.543	ug/l #	99
29) 1,1-Dichloropropene	8.223	75	409939	60.877	ug/l	98
30) 2-Butanone	7.332	43	996898	287.926	ug/l	99
31) 2,2-Dichloropropane	7.327	77	425466	70.386	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	533775	64.296	ug/l	99
33) Carbon Tetrachloride	8.206	117	457495	63.317	ug/l	99
34) Benzene	8.461	78	1138718	57.817	ug/l	99
35) Methacrylonitrile	7.635	41	193947	52.664	ug/l	98
36) 1,2-Dichloroethane	8.531	62	420795	54.467	ug/l	99
37) Trichloroethene	9.218	130	265289	54.723	ug/l	99
38) Methylcyclohexane	9.462	83	456690	58.474	ug/l	99
39) 1,2-Dichloropropane	9.491	63	282306	54.229	ug/l	99
40) Dibromomethane	9.580	93	194394	50.849	ug/l	98
41) Bromodichloromethane	9.762	83	400094	52.068	ug/l	100
42) Vinyl Acetate	6.434	43	3517261	277.164	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	379274	51.054	ug/l #	85
44) Isopropyl Acetate	8.560	43	685407	52.042	ug/l	98
45) 1,4-Dioxane	9.569	88	92455	1073.046	ug/l	97
46) Methyl methacrylate	9.558	41	318378	50.275	ug/l	97
47) n-amyl Acetate	12.388	43	726633	61.036	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	458419	49.953	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	467920	50.304	ug/l	96
50) 1,1,2-Trichloroethane	10.899	97	267928	44.380	ug/l	99
51) Ethyl methacrylate	10.762	69	450286	44.226	ug/l	98
52) 1,3-Dichloropropane	11.044	76	470238	44.683	ug/l	100
53) Dibromochloromethane	11.240	129	305445	45.356	ug/l	99
54) 1,2-Dibromoethane	11.347	107	284258	45.553	ug/l	98
55) 2-Chloroethyl vinyl ether	10.044	63	659711	283.997	ug/l	100
56) Bromoform	12.460	173	264541	59.753	ug/l #	99
58) 4-Methyl-2-Pentanone	10.331	43	2167281	290.192	ug/l	100
59) 2-Hexanone	11.090	43	1855978	326.442	ug/l	99
61) Tetrachloroethene	10.980	164	242870	55.535	ug/l	98
62) Toluene	10.508	91	1393776	67.511	ug/l	99
64) Chlorobenzene	11.773	112	727155	55.047	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.840	131	312631	61.801	ug/l	97
66) Ethyl Benzene	11.846	91	1483499	60.926	ug/l	98
67) m/p-Xylenes	11.953	106	1069056	119.244	ug/l	97
68) o-Xylene	12.288	106	609223	69.003	ug/l	95
69) Styrene	12.296	104	1159519	81.742	ug/l	98
70) Isopropylbenzene	12.581	105	1598683	70.928	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.827	83	418170	61.436	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	354807m	54.482	ug/l	
73) Bromobenzene	12.862	156	313887	61.126	ug/l	96
74) n-propylbenzene	12.921	91	1585711	60.523	ug/l	99
75) 2-Chlorotoluene	13.010	91	933704	59.275	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	1118585	60.445	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	159032	78.355	ug/l	96
78) 4-Chlorotoluene	13.106	91	944938	63.108	ug/l	98
79) tert-butylbenzene	13.324	119	1007024	64.252	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	1121588m	65.546	ug/l	
81) sec-Butylbenzene	13.503	105	1384866	65.098	ug/l	100
82) p-Isopropyltoluene	13.619	119	1191632	70.241	ug/l	98
83) 1,3-Dichlorobenzene	13.619	146	562788	68.078	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	528105	66.012	ug/l	99
85) n-Butylbenzene	13.943	91	1125902	79.863	ug/l	99
86) Hexachloroethane	14.211	117	238978	70.106	ug/l	98
87) 1,2-Dichlorobenzene	13.989	146	596268	74.028	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	79910	66.709	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	257245	64.753	ug/l	99
90) Hexachlorobutadiene	15.370	225	142058	68.133	ug/l	100
91) Naphthalene	15.507	128	692523	63.740	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	274450	71.560	ug/l	100

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

