

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067303.D
 Acq On : 11 Jun 2021 22:46
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 4:11:32 PM

Quant Time: Jun 12 08:59:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 08:57:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	69444	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	412673	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	375446	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	217875	34.432	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 114.767%#	
60) 4-Bromofluorobenzene	12.734	95	214678	32.202	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 107.333%	
63) Toluene-d8	10.443	98	540329	31.642	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 105.467%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	261887	69.862	ug/l	98
3) Chloromethane	2.301	50	280613	59.124	ug/l	100
4) Vinyl Chloride	2.443	62	277206	56.359	ug/l	98
5) Bromomethane	2.845	94	135100	41.719	ug/l	96
6) Chloroethane	3.014	64	162668	56.348	ug/l	92
7) Trichlorofluoromethane	3.368	101	372382	51.077	ug/l	96
8) Diethyl Ether	3.821	74	150339	58.367	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.200	101	219282	66.760	ug/l	99
10) 1,1-Dichloroethene	4.175	96	213920	59.247	ug/l	97
11) Methyl Iodide	4.414	142	262620	49.758	ug/l	98
12) Methyl Acetate	4.859	43	313683	75.222	ug/l	99
13) Acrolein	4.039	56	176714	264.781	ug/l	99
14) Acrylonitrile	5.557	53	666413	341.803	ug/l	98
15) Acetone	4.291	58	166008	304.756	ug/l	98
16) Carbon Disulfide	4.524	76	674360	62.741	ug/l	100
17) Allyl chloride	4.832	41	458432	67.709	ug/l	100
18) Methylene Chloride	5.093	84	257615	58.111	ug/l	96
19) trans-1,2-Dichloroethene	5.594	96	230104	56.277	ug/l	96
20) Diisopropyl ether	6.503	45	893593	67.914	ug/l	98
21) 1,1-Dichloroethane	6.388	63	493122	61.190	ug/l	100
22) cis-1,2-Dichloroethene	7.327	96	269595	54.527	ug/l	98
23) tert-Butyl Alcohol	5.388	59	286694	335.127	ug/l #	100
24) Methyl tert-Butyl Ether	5.624	73	896479	60.835	ug/l	99
25) Chloroform	7.820	83	506544	58.844	ug/l	99
26) Cyclohexane	8.094	56	433667	68.460	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	381933	60.969	ug/l	97
30) 2-Butanone	7.340	43	971867	365.526	ug/l	99
31) 2,2-Dichloropropane	7.327	77	403753	51.041	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	479005	58.908	ug/l	99
33) Carbon Tetrachloride	8.204	117	402717	58.243	ug/l	100
34) Benzene	8.461	78	1065338	56.729	ug/l	96
35) Methacrylonitrile	7.640	41	208062	68.988	ug/l	98
36) 1,2-Dichloroethane	8.531	62	449980	58.611	ug/l	98
37) Trichloroethene	9.217	130	248741	49.984	ug/l	98
38) Methylcyclohexane	9.459	83	390934	58.586	ug/l	99
39) 1,2-Dichloropropane	9.494	63	285194	58.990	ug/l	99
40) Dibromomethane	9.580	93	193813	58.740	ug/l	98
41) Bromodichloromethane	9.765	83	427615	57.994	ug/l	100
42) Vinyl Acetate	6.436	43	4066924	344.841	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	421472m	72.530	ug/l	
44) Isopropyl Acetate	8.563	43	729704	71.745	ug/l	100
45) 1,4-Dioxane	9.572	88	97180	1173.047	ug/l #	93
46) Methyl methacrylate	9.563	41	323988	69.102	ug/l	98
47) n-amyl Acetate	12.390	43	619297	80.489	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	466508	55.371	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	475763	55.173	ug/l	99
50) 1,1,2-Trichloroethane	10.902	97	257708	56.445	ug/l	99
51) Ethyl methacrylate	10.765	69	462554	64.215	ug/l	97
52) 1,3-Dichloropropane	11.047	76	466922	58.077	ug/l	100
53) Dibromochloromethane	11.240	129	285607	52.090	ug/l	100
54) 1,2-Dibromoethane	11.350	107	265734	55.494	ug/l	99
55) 2-Chloroethyl vinyl ether	10.044	63	584090	253.564	ug/l	100
56) Bromoform	12.460	173	192811	53.167	ug/l #	98
58) 4-Methyl-2-Pentanone	10.333	43	2120514	385.167	ug/l	99
59) 2-Hexanone	11.089	43	1532841	393.741	ug/l	100
61) Tetrachloroethene	10.980	164	220675	46.607	ug/l	96
62) Toluene	10.508	91	1157888	58.190	ug/l	100
64) Chlorobenzene	11.773	112	676211	53.429	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	256717	52.752	ug/l	100
66) Ethyl Benzene	11.846	91	1333495	58.279	ug/l	100
67) m/p-Xylenes	11.956	106	949535	109.120	ug/l	98
68) o-Xylene	12.283	106	467720	54.623	ug/l	98
69) Styrene	12.296	104	788558	55.662	ug/l	99
70) Isopropylbenzene	12.581	105	1214092	54.334	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	365487	59.260	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	365976m	59.032	ug/l	
73) Bromobenzene	12.862	156	251767	48.022	ug/l	99
74) n-propylbenzene	12.921	91	1467440	58.495	ug/l	100
75) 2-Chlorotoluene	13.010	91	910477	56.829	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	1025900	51.705	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	130826	59.764	ug/l	96
78) 4-Chlorotoluene	13.106	91	918575	56.639	ug/l	100
79) tert-butylbenzene	13.326	119	823913	50.236	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	1012712m	51.778	ug/l	
81) sec-Butylbenzene	13.503	105	1147381	54.904	ug/l	99
82) p-Isopropyltoluene	13.619	119	923163	47.884	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	457554	50.092	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	456307	51.217	ug/l	99
85) n-Butylbenzene	13.946	91	862475	54.898	ug/l	99
86) Hexachloroethane	14.211	117	186335	58.746	ug/l	100
87) 1,2-Dichlorobenzene	13.991	146	447786	49.728	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.603	75	93669	62.005	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	229077	46.608	ug/l	99
90) Hexachlorobutadiene	15.373	225	120929	54.085	ug/l	98
91) Naphthalene	15.507	128	762056	52.372	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	219745	44.636	ug/l	98

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

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