

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068702.D
 Acq On : 27 Sep 2021 13:20
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/28/2021 7:05:42 PM

Quant Time: Sep 27 14:22:23 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	76457	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	430089	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	468875	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	239474	37.703	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	125.667%#
60) 4-Bromofluorobenzene	12.733	95	242071	33.591	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	111.967%
63) Toluene-d8	10.443	98	590852	28.619	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	461109	109.624	ug/l	97
3) Chloromethane	2.301	50	553208	98.932	ug/l	98
4) Vinyl Chloride	2.440	62	690745	107.967	ug/l	99
5) Bromomethane	2.821	94	506329	121.016	ug/l	98
6) Chloroethane	2.998	64	508517	113.961	ug/l	100
7) Trichlorofluoromethane	3.365	101	791881	103.397	ug/l	99
8) Diethyl Ether	3.824	74	289186	104.562	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.207	101	441418	105.747	ug/l	99
10) 1,1-Dichloroethene	4.181	96	418832	105.343	ug/l	98
11) Methyl Iodide	4.422	142	573527	113.791	ug/l	99
12) Methyl Acetate	4.854	43	887963	103.821	ug/l	98
13) Acrolein	4.044	56	131571	509.129	ug/l	# 29
14) Acrylonitrile	5.554	53	1376667	546.147	ug/l	98
15) Acetone	4.285	58	355630	555.759	ug/l	96
16) Carbon Disulfide	4.535	76	1191590	102.398	ug/l	99
17) Allyl chloride	4.840	41	848995	108.517	ug/l	97
18) Methylene Chloride	5.098	84	505919	104.093	ug/l	95
19) trans-1,2-Dichloroethene	5.599	96	455154	102.898	ug/l	97
20) Diisopropyl ether	6.495	45	1817630	105.604	ug/l	99
21) 1,1-Dichloroethane	6.388	63	927587	101.457	ug/l	100
22) cis-1,2-Dichloroethene	7.327	96	551292	104.872	ug/l	96
23) tert-Butyl Alcohol	5.369	59	471717	560.133	ug/l	# 100
24) Methyl tert-Butyl Ether	5.615	73	1637753	107.502	ug/l	97
25) Chloroform	7.817	83	1160810	123.159	ug/l	99
26) Cyclohexane	8.096	56	884465	101.449	ug/l	# 99
29) 1,1-Dichloropropene	8.222	75	1138508	156.714	ug/l	99
30) 2-Butanone	7.335	43	1996295	534.427	ug/l	100
31) 2,2-Dichloropropane	7.327	77	838574	128.587	ug/l	97
32) 1,1,1-Trichloroethane	8.018	97	982748	109.723	ug/l	99
33) Carbon Tetrachloride	8.206	117	1177209	151.016	ug/l	98
34) Benzene	8.461	78	2362383	111.180	ug/l	99
35) Methacrylonitrile	7.635	41	437362	110.080	ug/l	97
36) 1,2-Dichloroethane	8.531	62	907755	108.908	ug/l	98
37) Trichloroethene	9.217	130	576888	110.300	ug/l	98
38) Methylcyclohexane	9.461	83	1355223	160.836	ug/l	98
39) 1,2-Dichloropropane	9.491	63	886112	157.774	ug/l	97
40) Dibromomethane	9.579	93	556452	134.915	ug/l	98
41) Bromodichloromethane	9.762	83	1116681	134.702	ug/l	98
42) Vinyl Acetate	6.433	43	7403595	540.765	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	834953	104.178	ug/l	100
44) Isopropyl Acetate	8.560	43	1531887	107.812	ug/l	100
45) 1,4-Dioxane	9.566	88	295584	3179.818	ug/l	96
46) Methyl methacrylate	9.561	41	1054985	154.414	ug/l	94
47) n-amyl Acetate	12.387	43	1482996	115.463	ug/l	97
48) t-1,3-Dichloropropene	10.722	75	1100495	111.152	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	1136889	113.287	ug/l	94
50) 1,1,2-Trichloroethane	10.899	97	642034	98.573	ug/l	99
51) Ethyl methacrylate	10.762	69	1034819	94.208	ug/l	98
52) 1,3-Dichloropropane	11.046	76	1006804	88.675	ug/l	99
53) Dibromochloromethane	11.240	129	972285	133.823	ug/l	99
54) 1,2-Dibromoethane	11.347	107	835357	124.083	ug/l	98
55) 2-Chloroethyl vinyl ether	10.043	63	1840318	734.322	ug/l	100
56) Bromoform	12.460	173	528285	110.603	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	4950748	534.138	ug/l	100
59) 2-Hexanone	11.087	43	3801937	538.829	ug/l	100
61) Tetrachloroethene	10.979	164	522144	96.205	ug/l	98
62) Toluene	10.507	91	2670786	104.241	ug/l	100
64) Chlorobenzene	11.771	112	1780644	108.617	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	665320	105.976	ug/l	98
66) Ethyl Benzene	11.846	91	3296631	109.094	ug/l	97
67) m/p-Xylenes	11.953	106	2367329	212.769	ug/l	96
68) o-Xylene	12.283	106	1240581	113.221	ug/l	95
69) Styrene	12.294	104	2084924	118.433	ug/l	98
70) Isopropylbenzene	12.581	105	3275328	117.091	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	919964	108.907	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	1136486m	140.618	ug/l	
73) Bromobenzene	12.868	156	789882	123.945	ug/l	94
74) n-propylbenzene	12.921	91	4362735	134.174	ug/l	99
75) 2-Chlorotoluene	13.010	91	2205886	112.838	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	2562955	111.595	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	345316	137.091	ug/l	98
78) 4-Chlorotoluene	13.106	91	2152494	115.835	ug/l	97
79) tert-butylbenzene	13.326	119	2315354	119.036	ug/l	97
80) 1,2,4-Trimethylbenzene	13.369	105	2513251m	118.349	ug/l	
81) sec-Butylbenzene	13.503	105	3087807	116.956	ug/l	100
82) p-Isopropyltoluene	13.616	119	3594599	170.732	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	1672043	162.975	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	1402263	141.236	ug/l	99
85) n-Butylbenzene	13.943	91	2218217	126.783	ug/l	100
86) Hexachloroethane	14.211	117	517221	122.261	ug/l	99
87) 1,2-Dichlorobenzene	13.989	146	1132134	113.258	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	256806	172.744	ug/l	99
89) 1,2,4-Trichlorobenzene	15.265	180	728610	147.782	ug/l	99
90) Hexachlorobutadiene	15.372	225	351323	135.771	ug/l	98
91) Naphthalene	15.507	128	1969235	146.044	ug/l	100
92) 1,2,3-Trichlorobenzene	15.702	180	589738	123.901	ug/l	99

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

