

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068721.D
 Acq On : 28 Sep 2021 15:09
 Operator : JC/MD
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:26 PM

Quant Time: Sep 29 01:52:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 01:51:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	96684	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	529992	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	520899	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	219787	24.867	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	82.900%#		
60) 4-Bromofluorobenzene	12.734	95	253698	27.530	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	91.767%		
63) Toluene-d8	10.443	98	715966	29.510	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.367%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	268338	49.471	ug/l	100
3) Chloromethane	2.301	50	370304	53.652	ug/l	97
4) Vinyl Chloride	2.443	62	778805	83.278	ug/l	98
5) Bromomethane	2.840	94	674733	95.946	ug/l	100
6) Chloroethane	3.011	64	659621	93.497	ug/l	99
7) Trichlorofluoromethane	3.373	101	616198	60.064	ug/l	99
8) Diethyl Ether	3.827	74	222225	61.357	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.213	101	352978	62.015	ug/l	71
10) 1,1-Dichloroethene	4.186	96	333887	63.301	ug/l	99
11) Methyl Iodide	4.425	142	442458	65.962	ug/l	98
12) Methyl Acetate	4.854	43	586855	54.161	ug/l	99
13) Acrolein	4.044	56	123001	332.589	ug/l #	58
14) Acrylonitrile	5.554	53	1004520	307.398	ug/l	99
15) Acetone	4.285	58	257932	284.858	ug/l	90
16) Carbon Disulfide	4.537	76	926824	62.624	ug/l	98
17) Allyl chloride	4.843	41	553479	54.669	ug/l	94
18) Methylene Chloride	5.098	84	423607	65.217	ug/l	97
19) trans-1,2-Dichloroethene	5.597	96	420489	71.408	ug/l	97
20) Diisopropyl ether	6.495	45	1415477	64.418	ug/l	99
21) 1,1-Dichloroethane	6.388	63	764066	64.946	ug/l	98
22) cis-1,2-Dichloroethene	7.329	96	526345	74.139	ug/l	98
23) tert-Butyl Alcohol	5.363	59	362713	326.873	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	1425313	69.770	ug/l	100
25) Chloroform	7.820	83	935447	70.775	ug/l	99
26) Cyclohexane	8.099	56	711372	65.456	ug/l #	99
29) 1,1-Dichloropropene	8.225	75	678393	67.348	ug/l	98
30) 2-Butanone	7.332	43	1515225	326.559	ug/l	100
31) 2,2-Dichloropropane	7.327	77	768174	75.385	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	869133	74.611	ug/l	98
33) Carbon Tetrachloride	8.209	117	784803	72.042	ug/l	98
34) Benzene	8.461	78	2014683	73.891	ug/l	98
35) Methacrylonitrile	7.640	41	313155	66.047	ug/l	97
36) 1,2-Dichloroethane	8.531	62	745852	70.714	ug/l	100
37) Trichloroethene	9.217	130	523550	76.497	ug/l	92
38) Methylcyclohexane	9.462	83	846681	67.611	ug/l	99
39) 1,2-Dichloropropane	9.491	63	501256	64.196	ug/l	99
40) Dibromomethane	9.580	93	394925	74.219	ug/l	99
41) Bromodichloromethane	9.765	83	790787	74.081	ug/l	97
42) Vinyl Acetate	6.434	43	5737741	342.128	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	614507	67.855	ug/l	96
44) Isopropyl Acetate	8.560	43	1136095	67.536	ug/l	100
45) 1,4-Dioxane	9.569	88	177662	1422.751	ug/l	99
46) Methyl methacrylate	9.561	41	538987	63.822	ug/l	97
47) n-amyl Acetate	12.390	43	1026114	64.751	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	882325	75.127	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	875823	72.940	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	556809	75.843	ug/l	98
51) Ethyl methacrylate	10.762	69	877692	77.128	ug/l	98
52) 1,3-Dichloropropane	11.047	76	894469	75.973	ug/l	100
53) Dibromochloromethane	11.240	129	652515	77.779	ug/l	100
54) 1,2-Dibromoethane	11.347	107	595608	77.975	ug/l	98
55) 2-Chloroethyl vinyl ether	10.044	63	141338	42.639	ug/l	98
56) Bromoform	12.460	173	476587	77.872	ug/l #	100
58) 4-Methyl-2-Pentanone	10.330	43	3683047	341.147	ug/l	99
59) 2-Hexanone	11.087	43	2679976	325.801	ug/l	100
61) Tetrachloroethene	10.980	164	488939	76.587	ug/l	96
62) Toluene	10.508	91	2543824	76.416	ug/l	100
64) Chlorobenzene	11.773	112	1543559	80.243	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	619130	78.940	ug/l	99
66) Ethyl Benzene	11.846	91	2934005	77.826	ug/l	97
67) m/p-Xylenes	11.956	106	2259110	154.263	ug/l	100
68) o-Xylene	12.283	106	1109934	74.235	ug/l	99
69) Styrene	12.296	104	1884441	74.445	ug/l	99
70) Isopropylbenzene	12.581	105	3003468	77.028	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	809127	73.699	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	620882m	61.103	ug/l	
73) Bromobenzene	12.862	156	654617	76.672	ug/l	98
74) n-propylbenzene	12.921	91	3421845	77.718	ug/l	100
75) 2-Chlorotoluene	13.010	91	1971177	78.538	ug/l	99
76) 1,3,5-Trimethylbenzene	13.061	105	2454506	81.832	ug/l	98
77) t-1,4-Dichloro-2-butene	12.626	75	274675	72.310	ug/l	95
78) 4-Chlorotoluene	13.106	91	1953482	79.637	ug/l	99
79) tert-butylbenzene	13.326	119	2157714	84.334	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	2450711m	87.564	ug/l	
81) sec-Butylbenzene	13.503	105	3072662	89.331	ug/l	100
82) p-Isopropyltoluene	13.619	119	2571764	83.184	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	1228719	82.883	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	1161240	84.918	ug/l	99
85) n-Butylbenzene	13.946	91	2103762	85.035	ug/l	99
86) Hexachloroethane	14.211	117	469457	81.720	ug/l	100
87) 1,2-Dichlorobenzene	13.991	146	1139008	85.435	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	149373	70.731	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	533923	78.988	ug/l	99
90) Hexachlorobutadiene	15.373	225	256922	71.016	ug/l	98
91) Naphthalene	15.507	128	1503690	81.919	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	508530	78.879	ug/l	100

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

