

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068687.D
 Acq On : 26 Sep 2021 00:43
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 11:01:28 AM

Quant Time: Sep 27 06:53:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 06:50:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	89751	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	497178	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	744211	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	218215	38.676	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 128.933%#			
60) 4-Bromofluorobenzene	12.734	95	370433	34.469	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 114.900%#			
63) Toluene-d8	10.443	98	1007059	30.663	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	491879	113.602	ug/l	99
3) Chloromethane	2.298	50	585493	129.190	ug/l	98
4) Vinyl Chloride	2.443	62	702235	105.765	ug/l	100
5) Bromomethane	2.821	94	526820	87.640	ug/l	99
6) Chloroethane	2.998	64	525752	112.175	ug/l	100
7) Trichlorofluoromethane	3.368	101	836501	103.367	ug/l	99
8) Diethyl Ether	3.824	74	303575	116.109	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.210	101	458408	100.402	ug/l	99
10) 1,1-Dichloroethene	4.183	96	439100	103.179	ug/l	97
11) Methyl Iodide	4.422	142	612585	95.162	ug/l	98
12) Methyl Acetate	4.849	43	901435	164.860	ug/l	100
13) Acrolein	4.041	56	134808	403.578	ug/l #	25
14) Acrylonitrile	5.554	53	1382342	661.197	ug/l	99
15) Acetone	4.283	58	336136	608.577	ug/l	91
16) Carbon Disulfide	4.535	76	1320981	116.485	ug/l	100
17) Allyl chloride	4.841	41	853335	144.179	ug/l	98
18) Methylene Chloride	5.095	84	520131	101.388	ug/l	95
19) trans-1,2-Dichloroethene	5.594	96	488118	102.209	ug/l	96
20) Diisopropyl ether	6.495	45	1869078	143.307	ug/l	99
21) 1,1-Dichloroethane	6.388	63	962121	116.963	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	575685	100.841	ug/l	99
23) tert-Butyl Alcohol	5.366	59	467063	583.243	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	1705255	115.103	ug/l	98
25) Chloroform	7.818	83	1071498	113.761	ug/l	98
26) Cyclohexane	8.096	56	1261936	179.824	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	929402	133.357	ug/l	99
30) 2-Butanone	7.335	43	1994722	689.970	ug/l	100
31) 2,2-Dichloropropane	7.327	77	673467	88.899	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	1288362	140.077	ug/l	99
33) Carbon Tetrachloride	8.206	117	1038358	121.423	ug/l	97
34) Benzene	8.464	78	2318105	109.371	ug/l	98
35) Methacrylonitrile	7.635	41	434706	151.937	ug/l	96
36) 1,2-Dichloroethane	8.531	62	928639	128.277	ug/l	98
37) Trichloroethene	9.217	130	576157	88.634	ug/l	98
38) Methylcyclohexane	9.462	83	1025219	116.356	ug/l	99
39) 1,2-Dichloropropane	9.491	63	616268	120.354	ug/l	99
40) Dibromomethane	9.580	93	432956	107.441	ug/l	97
41) Bromodichloromethane	9.762	83	882672	112.568	ug/l	100
42) Vinyl Acetate	6.434	43	7524799	707.580	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	1077070	177.103	ug/l	96
44) Isopropyl Acetate	8.560	43	1549104	149.201	ug/l	99
45) 1,4-Dioxane	9.569	88	195156	2046.846	ug/l	96
46) Methyl methacrylate	9.561	41	745840	175.583	ug/l	99
47) n-amyl Acetate	12.388	43	2132584	288.768	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	1509592	188.346	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	1581975	184.527	ug/l	96
50) 1,1,2-Trichloroethane	10.899	97	914600	157.864	ug/l	97
51) Ethyl methacrylate	10.762	69	1654509	213.600	ug/l	94
52) 1,3-Dichloropropane	11.047	76	1639644	185.847	ug/l	100
53) Dibromochloromethane	11.240	129	1030375	147.815	ug/l	100
54) 1,2-Dibromoethane	11.347	107	976497	158.669	ug/l	98
55) 2-Chloroethyl vinyl ether	10.044	63	1992028	1394.513	ug/l	99
56) Bromoform	12.460	173	757357	136.876	ug/l #	99
58) 4-Methyl-2-Pentanone	10.331	43	7715326	768.489	ug/l	98
59) 2-Hexanone	11.087	43	5610654	801.053	ug/l	98
61) Tetrachloroethene	10.980	164	819965	78.482	ug/l	98
62) Toluene	10.508	91	4140529	102.735	ug/l	99
64) Chlorobenzene	11.773	112	2612153	99.956	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	955789	90.863	ug/l	98
66) Ethyl Benzene	11.846	91	4790377	109.389	ug/l	99
67) m/p-Xylenes	11.953	106	3651462	206.242	ug/l	100
68) o-Xylene	12.283	106	1823813	104.000	ug/l	98
69) Styrene	12.296	104	2990719	107.904	ug/l	99
70) Isopropylbenzene	12.581	105	4682873	105.377	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	1371766	110.962	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	1249460m	120.112	ug/l	
73) Bromobenzene	12.862	156	1064993	86.765	ug/l	95
74) n-propylbenzene	12.921	91	5449425	112.537	ug/l	100
75) 2-Chlorotoluene	13.010	91	3223913	110.697	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	3811774	102.880	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	460126	133.489	ug/l	91
78) 4-Chlorotoluene	13.106	91	3123968	111.997	ug/l	98
79) tert-butylbenzene	13.326	119	3402703	100.946	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	3717335m	103.577	ug/l	
81) sec-Butylbenzene	13.503	105	4761667	106.050	ug/l	100
82) p-Isopropyltoluene	13.616	119	3899760	101.756	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	1866973	87.679	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	1811961	88.597	ug/l	99
85) n-Butylbenzene	13.943	91	3299814	117.959	ug/l	98
86) Hexachloroethane	14.211	117	745397	104.790	ug/l	98
87) 1,2-Dichlorobenzene	13.989	146	1769099	86.434	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.603	75	265148	123.126	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	955771	94.318	ug/l	99
90) Hexachlorobutadiene	15.373	225	452224	72.851	ug/l	99
91) Naphthalene	15.507	128	2694057	119.629	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	900306	94.225	ug/l	100

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

MMDadoda
9/27/2021 11:01:28 AM

Abundance

TIC: VN068687.D\data.ms

Time-->

1.3e+07

1.25e+07

1.2e+07

1.15e+07

1.1e+07

1.05e+07

1e+07

9500000

9000000

8500000

8000000

7500000

7000000

6500000

6000000

5500000

5000000

4500000

4000000

3500000

3000000

2500000

2000000

1500000

1000000

500000

0

2.00

3.00

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

Dichlorodifluoromethane, M

Chloromethane, M

Vinyl Chloride, M

Bromomethane, M

Chloroethane, M

Trichlorofluoromethane, M

Diethyl Ether, T

Acrolein, M

1,1,1-Trichloroethane, M

Acetone, M

Methyl iodide

Carbon Disulfide, M

Methyl Acetate

Methylene Chloride, M

tert-Butyl Alcohol, M

Acrylonitrile, M

1,1-Dichloroethane, M

Diisopropyl ether, T

Vinyl Acetate, M

Ethyl Acetate

Methoxychlor, M

Chloroform, M

1,1,1-Trichloroethane, M

1,2-Dichloroethane, M

1,2-Dichloropropane, M

1,2-Dichlorobenzene, M

1,4-Difluorobenzene, I

Trichloroethene, I

1,2-Dichlorobenzene, M

Bromochloromethane, M

2-Chloroethyl vinyl ether, M

cis-1,3-Dichloropropene, T

Toluene, d8, S

Toluene, M

1,1,3-Dichloropropane, M

1,1,2-Trichloropropane, M

1,3-Dichlorobenzene, M

Dibromochloromethane, M

1,2-Dibromoethane, M

Chlorobenzene, d5, I

Chlorobenzene, M

1-Ethyl-2-propenylmethane

n-Propylbenzene, M

Styrene, M

e-Xylene, M

Isopropylbenzene

Bromobenzene, propylbenzene

1,1,2-Trichlorobenzene

4-Chlorobenzene

tert-butylbenzene

sec-Butylbenzene

1,4-Dichlorobenzene, M

1,2-Dichlorobenzene, M

n-Butylbenzene

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane

1,2,4-Trichlorobenzene

Hexachlorocyclopentadiene, M

Naphthalene, M

1,2,3-Trichlorobenzene