

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068713.D
 Acq On : 28 Sep 2021 10:23
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda

9/30/2021 12:17:07 PM

Quant Time: Sep 28 12:20:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 28 12:20:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	114622	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	651820	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	603881	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	296382	37.278	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 124.267%#			
60) 4-Bromofluorobenzene	12.734	95	254117	25.865	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 86.200%			
63) Toluene-d8	10.443	98	850026	29.278	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	27679	4.042	ug/l	93
3) Chloromethane	2.303	50	45016	4.482	ug/l	98
4) Vinyl Chloride	2.446	62	49148	4.948	ug/l	95
5) Bromomethane	2.850	94	30736	5.186	ug/l	96
6) Chloroethane	3.017	64	30464	5.314	ug/l	98
7) Trichlorofluoromethane	3.376	101	64619	6.275	ug/l	91
8) Diethyl Ether	3.827	74	20822	4.410	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.213	101	34482m	5.479	ug/l	
10) 1,1-Dichloroethene	4.183	96	31686	4.727	ug/l	93
11) Methyl Iodide	4.430	142	33598	3.558	ug/l	91
12) Methyl Acetate	4.854	43	66029	8.133	ug/l	90
13) Acrolein	4.047	56	17667	16.207	ug/l	98
14) Acrylonitrile	5.557	53	90475	25.077	ug/l	98
15) Acetone	4.288	58	27340m	24.768	ug/l	
16) Carbon Disulfide	4.532	76	92510	4.400	ug/l	99
17) Allyl chloride	4.843	41	60355	4.745	ug/l	87
18) Methylene Chloride	5.095	84	40844m	5.170	ug/l	
19) trans-1,2-Dichloroethene	5.597	96	34709	4.736	ug/l	92
20) Diisopropyl ether	6.495	45	126555m	4.931	ug/l	
21) 1,1-Dichloroethane	6.388	63	70590	4.986	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	39987	4.748	ug/l	92
23) tert-Butyl Alcohol	5.361	59	31169m	24.147	ug/l	
24) Methyl tert-Butyl Ether	5.613	73	110528	4.934	ug/l #	90
25) Chloroform	7.820	83	72917	5.676	ug/l	99
26) Cyclohexane	8.096	56	58152	4.390	ug/l #	94
29) 1,1-Dichloropropene	8.222	75	51820	4.924	ug/l	97
30) 2-Butanone	7.335	43	136664	29.005	ug/l #	91
31) 2,2-Dichloropropane	7.327	77	59465	5.398	ug/l #	71
32) 1,1,1-Trichloroethane	8.013	97	63504	6.083	ug/l	96
33) Carbon Tetrachloride	8.204	117	56788	6.584	ug/l	96
34) Benzene	8.461	78	156796	4.823	ug/l #	91
35) Methacrylonitrile	7.638	41	27455	5.546	ug/l	89
36) 1,2-Dichloroethane	8.531	62	64256	6.580	ug/l	95
37) Trichloroethene	9.217	130	40932	5.214	ug/l	97
38) Methylcyclohexane	9.459	83	59567	4.773	ug/l	94
39) 1,2-Dichloropropane	9.491	63	41950	4.749	ug/l	98
40) Dibromomethane	9.577	93	28032	5.599	ug/l	87
41) Bromodichloromethane	9.762	83	56220	5.544	ug/l #	98
42) Vinyl Acetate	6.434	43	473388	22.937	ug/l #	94

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43) Ethyl Acetate	7.415	43	47410	4.912	ug/l	97
44) Isopropyl Acetate	8.560	43	89313	5.352	ug/l	95
45) 1,4-Dioxane	9.569	88	13358	96.510	ug/l #	89
46) Methyl methacrylate	9.558	41	40100	5.014	ug/l	87
47) n-amyl Acetate	12.390	43	57003	4.083	ug/l	94
48) t-1,3-Dichloropropene	10.722	75	59511	4.967	ug/l	95
49) cis-1,3-Dichloropropene	10.188	75	61266	4.514	ug/l #	87
50) 1,1,2-Trichloroethane	10.902	97	38481	5.252	ug/l	94
51) Ethyl methacrylate	10.762	69	54418	4.612	ug/l	83
52) 1,3-Dichloropropane	11.044	76	67473	5.142	ug/l	99
53) Dibromochloromethane	11.240	129	42569	5.733	ug/l	99
54) 1,2-Dibromoethane	11.347	107	39925	5.437	ug/l	96
55) 2-Chloroethyl vinyl ether	10.041	63	58637	11.184	ug/l	97
56) Bromoform	12.460	173	27726	5.911	ug/l #	93
58) 4-Methyl-2-Pentanone	10.331	43	273333	27.250	ug/l #	91
59) 2-Hexanone	11.087	43	190054	26.471	ug/l	91
61) Tetrachloroethene	10.977	164	38228	4.807	ug/l	94
62) Toluene	10.505	91	179739	5.090	ug/l	99
64) Chlorobenzene	11.771	112	105216	5.051	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.843	131	40392	5.575	ug/l	98
66) Ethyl Benzene	11.846	91	183641	4.858	ug/l	96
67) m/p-Xylenes	11.956	106	135259	9.610	ug/l	95
68) o-Xylene	12.283	106	63796	4.655	ug/l	93
69) Styrene	12.296	104	97513	4.400	ug/l	96
70) Isopropylbenzene	12.581	105	164022	4.659	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	50608	4.901	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	40742m	4.027	ug/l	
73) Bromobenzene	12.862	156	39465	4.976	ug/l	81
74) n-propylbenzene	12.921	91	184105	4.524	ug/l	96
75) 2-Chlorotoluene	13.010	91	113189	4.592	ug/l	95
76) 1,3,5-Trimethylbenzene	13.061	105	135085	4.583	ug/l	96
77) t-1,4-Dichloro-2-butene	12.626	75	12972	3.284	ug/l	79
78) 4-Chlorotoluene	13.106	91	105659	4.309	ug/l	97
79) tert-butylbenzene	13.326	119	116815	4.798	ug/l	94
80) 1,2,4-Trimethylbenzene	13.372	105	127175	4.310	ug/l	98
81) sec-Butylbenzene	13.503	105	154865	4.764	ug/l	100
82) p-Isopropyltoluene	13.619	119	121497	4.196	ug/l	96
83) 1,3-Dichlorobenzene	13.619	146	65875	4.748	ug/l	97
84) 1,4-Dichlorobenzene	13.696	146	62782	4.613	ug/l	97
85) n-Butylbenzene	13.946	91	96795	3.832	ug/l	97
86) Hexachloroethane	14.211	117	26111	5.195	ug/l	79
87) 1,2-Dichlorobenzene	13.991	146	62061	4.475	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.603	75	8797	4.420	ug/l #	71
89) 1,2,4-Trichlorobenzene	15.265	180	27887	3.856	ug/l	94
90) Hexachlorobutadiene	15.370	225	20030	6.108	ug/l	97
91) Naphthalene	15.507	128	46914	2.027	ug/l	97
92) 1,2,3-Trichlorobenzene	15.702	180	24665	3.400	ug/l	97

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

