

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
 Data File : VN071341.D
 Acq On : 17 Mar 2022 01:39
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 17 06:10:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:07:38 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Semsettin Yesilyurt 03/21/2022

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

Internal Standards						
1) Bromochloromethane	7.651	128	105528	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	600367	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	590735	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	249393	27.220	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	90.733%	#	
60) 4-Bromofluorobenzene	12.727	95	281395	29.261	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.533%		
63) Toluene-d8	10.439	98	765259	28.140	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	93.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.063	85	1119685	149.362	ug/l	98
3) Chloromethane	2.293	50	1435433	161.829	ug/l	96
4) Vinyl Chloride	2.434	62	1348053	161.473	ug/l	99
5) Bromomethane	2.810	94	534863	117.585	ug/l	98
6) Chloroethane	2.975	64	799142	164.605	ug/l	97
7) Trichlorofluoromethane	3.346	101	1691280	157.195	ug/l	98
8) Diethyl Ether	3.816	74	741757	170.473	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.199	101	942609m	150.343	ug/l	
10) 1,1-Dichloroethene	4.169	96	977982	161.651	ug/l	90
11) Methyl Iodide	4.410	142	1419267	168.945	ug/l	94
12) Methyl Acetate	4.846	43	1785406	124.232	ug/l	95
13) Acrolein	4.034	56	1225247	951.635	ug/l	98
14) Acrylonitrile	5.545	53	3931119	885.031	ug/l	98
15) Acetone	4.281	58	1021465	694.571	ug/l	97
16) Carbon Disulfide	4.522	76	2748408	154.790	ug/l	99
17) Allyl chloride	4.828	41	2063099	153.330	ug/l	84
18) Methylene Chloride	5.087	84	1161900	158.468	ug/l	91
19) trans-1,2-Dichloroethene	5.587	96	1034434	161.568	ug/l	89
20) Diisopropyl ether	6.487	45	4073722	157.614	ug/l	93
21) 1,1-Dichloroethane	6.381	63	2158040	156.866	ug/l	100
22) cis-1,2-Dichloroethene	7.322	96	1247167	162.998	ug/l	96
23) tert-Butyl Alcohol	5.369	59	1541680	1048.577	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	3762870	171.749	ug/l	95
25) Chloroform	7.816	83	2034879	150.078	ug/l	100
26) Cyclohexane	8.092	56	1969709	156.124	ug/l #	90
29) 1,1-Dichloropropene	8.216	75	1591296	155.266	ug/l	96
30) 2-Butanone	7.328	43	5566295	784.845	ug/l	94
31) 2,2-Dichloropropane	7.322	77	1434129	134.842	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	1821956	152.067	ug/l	98
33) Carbon Tetrachloride	8.204	117	1578598	149.952	ug/l	99
34) Benzene	8.457	78	4768082	155.291	ug/l	97
35) Methacrylonitrile	7.628	41	1051213	155.609	ug/l	90
36) 1,2-Dichloroethane	8.528	62	1695506	142.407	ug/l	98
37) Trichloroethene	9.210	130	1163294	159.620	ug/l	97
38) Methylcyclohexane	9.457	83	1936948	158.383	ug/l	93
39) 1,2-Dichloropropane	9.486	63	1281044	156.403	ug/l	99
40) Dibromomethane	9.575	93	807585	151.283	ug/l	91
41) Bromodichloromethane	9.757	83	1669214	149.035	ug/l	95
42) Vinyl Acetate	6.428	43	18348528	853.371	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	2113648	165.269	ug/l	95
44) Isopropyl Acetate	8.557	43	3374280	165.001	ug/l	100
45) 1,4-Dioxane	9.563	88	621171	4071.783	ug/l #	88
46) Methyl methacrylate	9.557	41	1686612	178.596	ug/l	81
47) n-amyl Acetate	12.386	43	2562544	179.224	ug/l	99
48) t-1,3-Dichloropropene	10.716	75	1901067	165.335	ug/l	100
49) cis-1,3-Dichloropropene	10.186	75	2030869	162.975	ug/l	93
50) 1,1,2-Trichloroethane	10.892	97	1187655	161.581	ug/l	98
51) Ethyl methacrylate	10.757	69	2212672	183.565	ug/l	87
52) 1,3-Dichloropropane	11.039	76	2141101	163.769	ug/l	99
53) Dibromochloromethane	11.233	129	1305876	159.985	ug/l	100
54) 1,2-Dibromoethane	11.345	107	1267694	167.854	ug/l	97
55) 2-Chloroethyl vinyl ether	10.039	63	3639042	1407.493	ug/l	98
56) Bromoform	12.451	173	1037163	166.662	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	11166543	805.143	ug/l	96
59) 2-Hexanone	11.080	43	8333771	814.518	ug/l	97
61) Tetrachloroethene	10.975	164	981467	144.464	ug/l	91
62) Toluene	10.504	91	5153670	148.046	ug/l	96
64) Chlorobenzene	11.769	112	3248087	156.719	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	1220863	156.592	ug/l	99
66) Ethyl Benzene	11.839	91	6026582	156.457	ug/l	98
67) m/p-Xylenes	11.951	106	4589190	324.735	ug/l	98
68) o-Xylene	12.274	106	2313418	164.265	ug/l	99
69) Styrene	12.292	104	3820834	168.114	ug/l	98
70) Isopropylbenzene	12.574	105	5854384	159.708	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.821	83	1826017	149.626	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	1768433m	161.541	ug/l	
73) Bromobenzene	12.857	156	1365523	160.571	ug/l	94
74) n-propylbenzene	12.916	91	6706484	159.628	ug/l	99
75) 2-Chlorotoluene	13.004	91	4014696	155.231	ug/l	97
76) 1,3,5-Trimethylbenzene	13.057	105	4639704	155.010	ug/l	96
77) t-1,4-Dichloro-2-butene	12.621	75	638622	177.056	ug/l	95
78) 4-Chlorotoluene	13.098	91	3856203	157.077	ug/l	96
79) tert-butylbenzene	13.321	119	4249801	161.532	ug/l	95
80) 1,2,4-Trimethylbenzene	13.363	105	4507894m	155.365	ug/l	
81) sec-Butylbenzene	13.498	105	5797477	160.094	ug/l	99
82) p-Isopropyltoluene	13.610	119	4675052	161.972	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	2254855	157.819	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	2184020	159.253	ug/l	99
85) n-Butylbenzene	13.939	91	3722748	157.578	ug/l	95
86) Hexachloroethane	14.204	117	885179	154.635	ug/l	86
87) 1,2-Dichlorobenzene	13.986	146	2131763	154.543	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	402217	170.572	ug/l	92
89) 1,2,4-Trichlorobenzene	15.257	180	1156936	180.719	ug/l	97
90) Hexachlorobutadiene	15.363	225	526051	140.533	ug/l	99
91) Naphthalene	15.498	128	3855673	222.321	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	1163168	189.784	ug/l	99

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

