

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072499.D
 Acq On : 16 May 2022 13:52
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: May 16 14:09:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon May 16 13:47:59 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/17/2022
 Supervised By : Mahesh Dadoda 05/17/2022

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

Internal Standards						
1) Bromochloromethane	7.651	128	28367	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	150597	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	147701	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	89047	34.582	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 115.267%#			
60) 4-Bromofluorobenzene	12.727	95	92006	37.689	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 125.633%#			
63) Toluene-d8	10.439	98	234499	32.337	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 107.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	334192	192.628	ug/l	99
3) Chloromethane	2.299	50	314496	167.821	ug/l	95
4) Vinyl Chloride	2.440	62	263224	134.216	ug/l	98
5) Bromomethane	2.810	94	233647	200.044	ug/l	97
6) Chloroethane	2.969	64	172881	138.717	ug/l	96
7) Trichlorofluoromethane	3.346	101	593668	200.957	ug/l	100
8) Diethyl Ether	3.816	74	190215	176.570	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.198	101	281374	175.898	ug/l #	67
10) 1,1-Dichloroethene	4.169	96	262065	173.308	ug/l	88
11) Methyl Iodide	4.410	142	424457	191.182	ug/l	97
12) Methyl Acetate	4.845	43	440018	192.408	ug/l	97
13) Acrolein	4.040	56	344001	1217.125	ug/l	99
14) Acrylonitrile	5.545	53	950842	964.504	ug/l	100
15) Acetone	4.287	58	242683	886.528	ug/l	84
16) Carbon Disulfide	4.522	76	707319	178.251	ug/l	98
17) Allyl chloride	4.834	41	500886	196.523	ug/l	91
18) Methylene Chloride	5.092	84	309833	169.378	ug/l	97
19) trans-1,2-Dichloroethene	5.592	96	287211	174.944	ug/l	87
20) Diisopropyl ether	6.492	45	1008444	189.645	ug/l	95
21) 1,1-Dichloroethane	6.381	63	577412	179.301	ug/l	99
22) cis-1,2-Dichloroethene	7.316	96	346788	176.557	ug/l	94
23) tert-Butyl Alcohol	5.381	59	432955	1135.493	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	1115678	194.423	ug/l	99
25) Chloroform	7.816	83	632977	190.270	ug/l	96
26) Cyclohexane	8.092	56	505834	186.546	ug/l #	98
29) 1,1-Dichloropropene	8.216	75	456799	198.460	ug/l	96
30) 2-Butanone	7.328	43	1350069	1026.496	ug/l	97
31) 2,2-Dichloropropane	7.322	77	562851	209.010	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	631234	217.070	ug/l	99
33) Carbon Tetrachloride	8.204	117	564750	221.327	ug/l	99
34) Benzene	8.457	78	1268278	181.101	ug/l	99
35) Methacrylonitrile	7.633	41	294343	229.451	ug/l	93
36) 1,2-Dichloroethane	8.528	62	572494	208.403	ug/l	98
37) Trichloroethene	9.210	130	341838	185.560	ug/l	98
38) Methylcyclohexane	9.457	83	538777	191.043	ug/l	94
39) 1,2-Dichloropropane	9.486	63	321532	181.854	ug/l	98
40) Dibromomethane	9.575	93	244356	195.241	ug/l	90
41) Bromodichloromethane	9.757	83	525832	207.653	ug/l	96
42) Vinyl Acetate	6.428	43	4623565	1031.002	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	527321	210.305	ug/l	97
44) Isopropyl Acetate	8.557	43	852697	206.851	ug/l	99
45) 1,4-Dioxane	9.569	88	167679	4142.731	ug/l	91
46) Methyl methacrylate	9.557	41	402955	223.152	ug/l	86
47) n-amyl Acetate	12.386	43	648493	241.491	ug/l	100
48) t-1,3-Dichloropropene	10.716	75	590588	217.959	ug/l	100
49) cis-1,3-Dichloropropene	10.186	75	590995	204.076	ug/l	96
50) 1,1,2-Trichloroethane	10.898	97	342684	190.779	ug/l	98
51) Ethyl methacrylate	10.757	69	588949	211.651	ug/l	94
52) 1,3-Dichloropropane	11.039	76	594102	192.287	ug/l	99
53) Dibromochloromethane	11.233	129	428961	215.311	ug/l	99
54) 1,2-Dibromoethane	11.339	107	378677	203.333	ug/l	99
55) 2-Chloroethyl vinyl ether	10.039	63	836345	1188.520	ug/l	99
56) Bromoform	12.457	173	334151	224.257	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	2723185	1017.239	ug/l	99
59) 2-Hexanone	11.080	43	2059383	1050.083	ug/l	98
61) Tetrachloroethene	10.974	164	311383	180.699	ug/l	94
62) Toluene	10.504	91	1461720	178.174	ug/l	97
64) Chlorobenzene	11.769	112	942347	185.973	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	385047	195.680	ug/l	97
66) Ethyl Benzene	11.839	91	1754549	194.111	ug/l	99
67) m/p-Xylenes	11.951	106	1324093	381.367	ug/l	95
68) o-Xylene	12.274	106	664929	192.087	ug/l	97
69) Styrene	12.292	104	1093413	200.665	ug/l	96
70) Isopropylbenzene	12.574	105	1781500	202.362	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	513266	181.941	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	446599m	178.619	ug/l	
73) Bromobenzene	12.857	156	423990	197.792	ug/l	99
74) n-propylbenzene	12.916	91	2037565	213.754	ug/l	99
75) 2-Chlorotoluene	13.004	91	1246690	203.476	ug/l	96
76) 1,3,5-Trimethylbenzene	13.057	105	1532561	212.927	ug/l	99
77) t-1,4-Dichloro-2-butene	12.621	75	182988	219.512	ug/l	97
78) 4-Chlorotoluene	13.104	91	1216025	214.505	ug/l	96
79) tert-butylbenzene	13.321	119	1332220	207.059	ug/l	99
80) 1,2,4-Trimethylbenzene	13.363	105	1495402m	213.513	ug/l	
81) sec-Butylbenzene	13.498	105	1832669	213.760	ug/l	99
82) p-Isopropyltoluene	13.610	119	1539897	219.468	ug/l	99
83) 1,3-Dichlorobenzene	13.610	146	747936	211.850	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	730926	215.515	ug/l	98
85) n-Butylbenzene	13.939	91	1226531	239.744	ug/l	97
86) Hexachloroethane	14.210	117	279694	217.841	ug/l	89
87) 1,2-Dichlorobenzene	13.986	146	717312	209.191	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	137375	248.575	ug/l	97
89) 1,2,4-Trichlorobenzene	15.257	180	382752	249.711	ug/l	99
90) Hexachlorobutadiene	15.362	225	185258	194.249	ug/l	99
91) Naphthalene	15.504	128	1265427	293.668	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	379189	247.392	ug/l	99

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

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