

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072658.D
 Acq On : 06 Jun 2022 11:41
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: Jun 06 13:12:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 13:10:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	45496	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	270721	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.739	117	248524	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	157222	34.298	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 114.333%#			
60) 4-Bromofluorobenzene	12.727	95	158457	35.403	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 118.000%#			
63) Toluene-d8	10.439	98	414576	29.423	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.067%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.063	85	161175	51.931	ug/l	95
3) Chloromethane	2.293	50	173220	42.338	ug/l	96
4) Vinyl Chloride	2.434	62	157733	45.634	ug/l	97
5) Bromomethane	2.840	94	77076	44.872	ug/l	95
6) Chloroethane	3.005	64	99930	45.468	ug/l	99
7) Trichlorofluoromethane	3.363	101	286684	56.309	ug/l	99
8) Diethyl Ether	3.822	74	113307	54.462	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.204	101	152559	54.834	ug/l	76
10) 1,1-Dichloroethene	4.181	96	140752	52.328	ug/l	89
11) Methyl Iodide	4.416	142	152985	57.645	ug/l	97
12) Methyl Acetate	4.846	43	294804	54.401	ug/l	93
13) Acrolein	4.034	56	122232	206.020	ug/l	99
14) Acrylonitrile	5.546	53	612450	265.154	ug/l	98
15) Acetone	4.275	58	164021	273.996	ug/l	83
16) Carbon Disulfide	4.528	76	339094	46.682	ug/l	98
17) Allyl chloride	4.834	41	313032	54.723	ug/l	93
18) Methylene Chloride	5.093	84	178516	50.845	ug/l	89
19) trans-1,2-Dichloroethene	5.587	96	155218	52.748	ug/l	93
20) Diisopropyl ether	6.487	45	629050	48.629	ug/l	97
21) 1,1-Dichloroethane	6.381	63	343143	51.644	ug/l	100
22) cis-1,2-Dichloroethene	7.316	96	192824	50.938	ug/l	90
23) tert-Butyl Alcohol	5.357	59	273158	317.544	ug/l	# 100
24) Methyl tert-Butyl Ether	5.610	73	645267	59.293	ug/l	97
25) Chloroform	7.816	83	353258	51.761	ug/l	98
26) Cyclohexane	8.092	56	281433	45.455	ug/l	# 92
29) 1,1-Dichloropropene	8.216	75	243664	48.884	ug/l	95
30) 2-Butanone	7.328	43	905063	266.909	ug/l	94
31) 2,2-Dichloropropane	7.322	77	330032	61.479	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	322767	56.279	ug/l	96
33) Carbon Tetrachloride	8.198	117	275782	54.408	ug/l	97
34) Benzene	8.457	78	730079	47.077	ug/l	99
35) Methacrylonitrile	7.628	41	172896	49.578	ug/l	93
36) 1,2-Dichloroethane	8.528	62	305358	56.975	ug/l	98
37) Trichloroethene	9.210	130	174889	47.229	ug/l	85
38) Methylcyclohexane	9.457	83	291039	47.286	ug/l	93
39) 1,2-Dichloropropane	9.486	63	199727	47.980	ug/l	99
40) Dibromomethane	9.575	93	136077	50.730	ug/l	96
41) Bromodichloromethane	9.757	83	294405	53.710	ug/l	98
42) Vinyl Acetate	6.422	43	2946010	264.810	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	333230	50.416	ug/l	96
44) Isopropyl Acetate	8.557	43	563047	54.207	ug/l	99
45) 1,4-Dioxane	9.563	88	92600	1064.457	ug/l	91
46) Methyl methacrylate	9.551	41	244048	50.111	ug/l	85
47) n-amyl Acetate	12.380	43	456158	60.238	ug/l	97
48) t-1,3-Dichloropropene	10.716	75	335341	56.048	ug/l	97
49) cis-1,3-Dichloropropene	10.186	75	341177	53.005	ug/l	97
50) 1,1,2-Trichloroethane	10.892	97	192714	49.184	ug/l	97
51) Ethyl methacrylate	10.757	69	351655	52.379	ug/l	95
52) 1,3-Dichloropropane	11.039	76	341454	49.196	ug/l	100
53) Dibromochloromethane	11.233	129	215204	52.757	ug/l	100
54) 1,2-Dibromoethane	11.339	107	201789	50.080	ug/l	97
55) 2-Chloroethyl vinyl ether	10.039	63	701647	242.956	ug/l	99
56) Bromoform	12.451	173	152598	52.693	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	1791969	250.376	ug/l	99
59) 2-Hexanone	11.080	43	1388171	269.324	ug/l	99
61) Tetrachloroethene	10.975	164	145829	45.866	ug/l	96
62) Toluene	10.504	91	802869	47.373	ug/l	98
64) Chlorobenzene	11.763	112	492418	49.399	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.839	131	196132	49.507	ug/l	99
66) Ethyl Benzene	11.839	91	928449	48.729	ug/l	99
67) m/p-Xylenes	11.945	106	680439	99.251	ug/l	93
68) o-Xylene	12.274	106	341125	49.603	ug/l	92
69) Styrene	12.292	104	560621	51.635	ug/l	94
70) Isopropylbenzene	12.574	105	906954	51.534	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.822	83	314974	52.219	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	264504m	46.312	ug/l	
73) Bromobenzene	12.857	156	187228	49.342	ug/l	73
74) n-propylbenzene	12.916	91	1055583	52.894	ug/l	98
75) 2-Chlorotoluene	13.004	91	644657	52.919	ug/l	94
76) 1,3,5-Trimethylbenzene	13.057	105	753032	53.717	ug/l	100
77) t-1,4-Dichloro-2-butene	12.622	75	119652	58.694	ug/l	98
78) 4-Chlorotoluene	13.098	91	614514	55.269	ug/l	92
79) tert-butylbenzene	13.321	119	670178	54.646	ug/l	97
80) 1,2,4-Trimethylbenzene	13.498	105	916449	64.945	ug/l	100
81) sec-Butylbenzene	13.498	105	916449	52.018	ug/l	99
82) p-Isopropyltoluene	13.610	119	743131	54.381	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	330366	49.940	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	317163	49.280	ug/l	95
85) n-Butylbenzene	13.939	91	628305	55.165	ug/l	97
86) Hexachloroethane	14.204	117	163822	58.252	ug/l	91
87) 1,2-Dichlorobenzene	13.986	146	330824	50.892	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.598	75	79611	63.444	ug/l	86
89) 1,2,4-Trichlorobenzene	15.257	180	163283	50.430	ug/l	97
90) Hexachlorobutadiene	15.363	225	74428	46.882	ug/l	98
91) Naphthalene	15.504	128	650982	55.419	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	168112	51.184	ug/l	99

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

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