

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072665.D
 Acq On : 06 Jun 2022 15:51
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 06:26:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	40141	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	234119	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.739	117	212875	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	141671	30.946	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.167%			
60) 4-Bromofluorobenzene	12.727	95	126345	28.857	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.200%			
63) Toluene-d8	10.439	98	355946	30.185	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	56265	18.711	ug/l	98
3) Chloromethane	2.293	50	59974	18.341	ug/l	98
4) Vinyl Chloride	2.434	62	51533	17.478	ug/l	96
5) Bromomethane	2.846	94	28857	18.926	ug/l	89
6) Chloroethane	3.010	64	38145	19.403	ug/l	97
7) Trichlorofluoromethane	3.363	101	96197	18.048	ug/l	99
8) Diethyl Ether	3.822	74	41053	19.865	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.204	101	51249	18.251	ug/l	73
10) 1,1-Dichloroethene	4.175	96	48130	18.148	ug/l	85
11) Methyl Iodide	4.416	142	46338	17.451	ug/l	98
12) Methyl Acetate	4.845	43	106377	19.441	ug/l	94
13) Acrolein	4.034	56	44088	92.046	ug/l	100
14) Acrylonitrile	5.551	53	223519	100.213	ug/l	99
15) Acetone	4.275	58	57600	95.380	ug/l	83
16) Carbon Disulfide	4.534	76	115673	17.301	ug/l	96
17) Allyl chloride	4.840	41	109403	19.095	ug/l	92
18) Methylene Chloride	5.092	84	65896	19.788	ug/l	91
19) trans-1,2-Dichloroethene	5.592	96	53454	18.625	ug/l	# 78
20) Diisopropyl ether	6.492	45	228599	20.147	ug/l	97
21) 1,1-Dichloroethane	6.375	63	121020	19.197	ug/l	100
22) cis-1,2-Dichloroethene	7.322	96	69097	19.221	ug/l	90
23) tert-Butyl Alcohol	5.357	59	105181	101.336	ug/l	# 100
24) Methyl tert-Butyl Ether	5.604	73	233250	19.776	ug/l	96
25) Chloroform	7.816	83	125357	19.358	ug/l	94
26) Cyclohexane	8.092	56	94488	17.977	ug/l	# 98
29) 1,1-Dichloropropene	8.222	75	81279	18.212	ug/l	95
30) 2-Butanone	7.328	43	329004	101.865	ug/l	96
31) 2,2-Dichloropropane	7.322	77	109264	18.087	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	108572	18.593	ug/l	96
33) Carbon Tetrachloride	8.198	117	92990	18.466	ug/l	96
34) Benzene	8.457	78	254096	19.245	ug/l	95
35) Methacrylonitrile	7.633	41	59852	18.899	ug/l	92
36) 1,2-Dichloroethane	8.528	62	110147	19.746	ug/l	99
37) Trichloroethene	9.210	130	58243	18.298	ug/l	85
38) Methylcyclohexane	9.457	83	100058	18.781	ug/l	92
39) 1,2-Dichloropropane	9.486	63	71407	19.686	ug/l	97
40) Dibromomethane	9.575	93	49801	20.000	ug/l	96
41) Bromodichloromethane	9.757	83	106512	19.997	ug/l	96
42) Vinyl Acetate	6.428	43	1060158	100.826	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	131697	21.282	ug/l	96
44) Isopropyl Acetate	8.557	43	204564	19.929	ug/l	99
45) 1,4-Dioxane	9.563	88	35371	419.323	ug/l #	87
46) Methyl methacrylate	9.557	41	89770	19.559	ug/l	86
47) n-amyl Acetate	12.386	43	144628	18.404	ug/l	98
48) t-1,3-Dichloropropene	10.716	75	114040	18.758	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	118233	19.152	ug/l	99
50) 1,1,2-Trichloroethane	10.892	97	68960	19.589	ug/l	97
51) Ethyl methacrylate	10.757	69	127587	20.008	ug/l	93
52) 1,3-Dichloropropane	11.039	76	126193	20.143	ug/l	99
53) Dibromochloromethane	11.233	129	75431	19.420	ug/l	100
54) 1,2-Dibromoethane	11.345	107	72736	19.650	ug/l	96
55) 2-Chloroethyl vinyl ether	10.039	63	246654	98.761	ug/l	98
56) Bromoform	12.457	173	51529	19.040	ug/l #	98
58) 4-Methyl-2-Pentanone	10.327	43	664495	104.073	ug/l	98
59) 2-Hexanone	11.080	43	497873	102.852	ug/l	99
61) Tetrachloroethene	10.974	164	53721	20.392	ug/l	97
62) Toluene	10.504	91	282532	19.574	ug/l	99
64) Chlorobenzene	11.769	112	170980	19.456	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.839	131	67220	19.401	ug/l	99
66) Ethyl Benzene	11.839	91	316474	19.097	ug/l	98
67) m/p-Xylenes	11.951	106	229209	37.921	ug/l	92
68) o-Xylene	12.274	106	118613	19.236	ug/l	93
69) Styrene	12.292	104	185485	18.950	ug/l	95
70) Isopropylbenzene	12.574	105	304869	18.921	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	112539	20.634	ug/l	97
72) 1,2,3-Trichloropropane	12.874	75	94993m	19.957	ug/l	
73) Bromobenzene	12.857	156	61579	18.800	ug/l	72
74) n-propylbenzene	12.916	91	337410	18.300	ug/l	98
75) 2-Chlorotoluene	13.004	91	215037	18.816	ug/l	94
76) 1,3,5-Trimethylbenzene	13.057	105	252999	19.130	ug/l	100
77) t-1,4-Dichloro-2-butene	12.621	75	38070	18.976	ug/l	93
78) 4-Chlorotoluene	13.104	91	196497	18.200	ug/l	93
79) tert-butylbenzene	13.321	119	221172	18.732	ug/l	97
80) 1,2,4-Trimethylbenzene	13.498	105	299543	18.785	ug/l	100
81) sec-Butylbenzene	13.498	105	299543	18.785	ug/l	99
82) p-Isopropyltoluene	13.615	119	233105	18.312	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	102801	17.928	ug/l	95
84) 1,4-Dichlorobenzene	13.692	146	101421	18.216	ug/l	95
85) n-Butylbenzene	13.939	91	191829	17.773	ug/l	97
86) Hexachloroethane	14.204	117	52524	18.646	ug/l	91
87) 1,2-Dichlorobenzene	13.986	146	106393	18.748	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	26212	19.167	ug/l	89
89) 1,2,4-Trichlorobenzene	15.262	180	51258	17.924	ug/l	97
90) Hexachlorobutadiene	15.368	225	23772	18.529	ug/l	99
91) Naphthalene	15.504	128	203686	17.851	ug/l	99
92) 1,2,3-Trichlorobenzene	15.692	180	54336	18.677	ug/l	97

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

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