

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
 Data File : VN071987.D
 Acq On : 14 Apr 2022 10:21
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Apr 15 01:35:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/15/2022
 Supervised By :Mahesh Dadoda 04/15/2022

Supervised By :Mahesh
 Dadoda
 04/15/2022

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

Internal Standards						
1) Bromochloromethane	7.657	128	89502	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	498371	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	448742	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	176700	28.021	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.400%		
60) 4-Bromofluorobenzene	12.727	95	198434	29.823	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.400%		
63) Toluene-d8	10.439	98	618314	30.354	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.167%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	128158	23.005	ug/l	95
3) Chloromethane	2.304	50	132881	20.238	ug/l	96
4) Vinyl Chloride	2.446	62	136331	18.106	ug/l	97
5) Bromomethane	2.846	94	89403	20.149	ug/l	98
6) Chloroethane	3.010	64	81071	16.813	ug/l	96
7) Trichlorofluoromethane	3.369	101	185054	21.079	ug/l	99
8) Diethyl Ether	3.822	74	76104	20.631	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.210	101	114635	21.804	ug/l #	63
10) 1,1-Dichloroethene	4.187	96	108428	20.911	ug/l	93
11) Methyl Iodide	4.416	142	155112	20.414	ug/l	87
12) Methyl Acetate	4.851	43	145269	19.879	ug/l	94
13) Acrolein	4.034	56	82191	105.721	ug/l	97
14) Acrylonitrile	5.551	53	333917	100.892	ug/l	97
15) Acetone	4.287	58	124673	130.896	ug/l	72
16) Carbon Disulfide	4.534	76	289655	21.455	ug/l	98
17) Allyl chloride	4.840	41	153758	18.282	ug/l	80
18) Methylene Chloride	5.098	84	129584	20.832	ug/l	94
19) trans-1,2-Dichloroethene	5.598	96	117899	21.258	ug/l	97
20) Diisopropyl ether	6.492	45	348012	19.776	ug/l #	92
21) 1,1-Dichloroethane	6.386	63	215129	20.249	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	138045	20.488	ug/l	95
23) tert-Butyl Alcohol	5.363	59	98655	83.537	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	367915	19.660	ug/l #	87
25) Chloroform	7.816	83	220808	20.665	ug/l	97
26) Cyclohexane	8.092	56	191317	20.833	ug/l #	100
29) 1,1-Dichloropropene	8.222	75	166129	20.595	ug/l	100
30) 2-Butanone	7.328	43	445670	99.254	ug/l	95
31) 2,2-Dichloropropane	7.322	77	178228	19.395	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	189336	20.153	ug/l	98
33) Carbon Tetrachloride	8.204	117	162291	20.407	ug/l	94
34) Benzene	8.457	78	517715	20.657	ug/l	96
35) Methacrylonitrile	7.628	41	83317	19.340	ug/l	91
36) 1,2-Dichloroethane	8.528	62	161241	18.442	ug/l #	92
37) Trichloroethene	9.216	130	132048	20.419	ug/l	98
38) Methylcyclohexane	9.457	83	209796	20.634	ug/l	98
39) 1,2-Dichloropropane	9.486	63	125381	19.996	ug/l	95
40) Dibromomethane	9.575	93	84850	19.992	ug/l	85
41) Bromodichloromethane	9.757	83	170553	20.082	ug/l	93
42) Vinyl Acetate	6.428	43	1453247m	94.456	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	169121	19.423	ug/l	99
44) Isopropyl Acetate	8.557	43	249513	17.867	ug/l	92
45) 1,4-Dioxane	9.563	88	55572	394.419	ug/l #	94
46) Methyl methacrylate	9.557	41	118240	19.308	ug/l	76
47) n-amyl Acetate	12.386	43	155118	16.646	ug/l #	86
48) t-1,3-Dichloropropene	10.716	75	175130	18.971	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	198555	19.669	ug/l #	80
50) 1,1,2-Trichloroethane	10.892	97	131419	20.713	ug/l	97
51) Ethyl methacrylate	10.757	69	192388	19.639	ug/l	76
52) 1,3-Dichloropropane	11.039	76	220590	20.358	ug/l	100
53) Dibromochloromethane	11.233	129	135029	20.559	ug/l	100
54) 1,2-Dibromoethane	11.339	107	133429	20.444	ug/l	97
55) 2-Chloroethyl vinyl ether	10.039	63	215286	81.563	ug/l	97
56) Bromoform	12.451	173	101219	19.988	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	799310	93.833	ug/l #	88
59) 2-Hexanone	11.080	43	587585	94.476	ug/l #	87
61) Tetrachloroethene	10.974	164	122905	22.504	ug/l	89
62) Toluene	10.504	91	578787	21.271	ug/l	96
64) Chlorobenzene	11.769	112	347760	20.720	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.833	131	126412	20.531	ug/l	98
66) Ethyl Benzene	11.839	91	602582	20.379	ug/l	96
67) m/p-Xylenes	11.951	106	476063	41.385	ug/l	97
68) o-Xylene	12.274	106	233884	20.456	ug/l	95
69) Styrene	12.292	104	364865	20.277	ug/l	96
70) Isopropylbenzene	12.574	105	586789	20.448	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	190435	20.390	ug/l	99
72) 1,2,3-Trichloropropane	12.874	75	168696m	21.024	ug/l	
73) Bromobenzene	12.857	156	142450	20.348	ug/l	95
74) n-propylbenzene	12.915	91	635995	20.306	ug/l	98
75) 2-Chlorotoluene	13.004	91	399716	20.422	ug/l	99
76) 1,3,5-Trimethylbenzene	13.057	105	482591	20.962	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	50867	18.055	ug/l	96
78) 4-Chlorotoluene	13.104	91	361426	19.772	ug/l	99
79) tert-butylbenzene	13.321	119	421553	20.291	ug/l	92
80) 1,2,4-Trimethylbenzene	13.363	105	473629	21.203	ug/l #	80
81) sec-Butylbenzene	13.498	105	560516	20.080	ug/l	97
82) p-Isopropyltoluene	13.610	119	454090	20.021	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	235003	20.515	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	221639	20.271	ug/l	97
85) n-Butylbenzene	13.939	91	317470	18.845	ug/l	96
86) Hexachloroethane	14.210	117	82557	19.492	ug/l	78
87) 1,2-Dichlorobenzene	13.986	146	230467	20.810	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	29954	18.025	ug/l #	79
89) 1,2,4-Trichlorobenzene	15.262	180	104160	20.347	ug/l	96
90) Hexachlorobutadiene	15.368	225	68286	22.510	ug/l	98
91) Naphthalene	15.504	128	266013	20.370	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	104007	20.715	ug/l	98

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

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