

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032322\
 Data File : VN071504.D
 Acq On : 23 Mar 2022 12:43
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

03/24/2022
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Mar 23 16:51:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:37:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	139461	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	767025	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	679968	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	296563	26.784	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.267%#
60) 4-Bromofluorobenzene	12.727	95	301799	28.729	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.767%
63) Toluene-d8	10.439	98	957219	30.602	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	172704	19.152	ug/l	98
3) Chloromethane	2.299	50	201615	16.759	ug/l	96
4) Vinyl Chloride	2.440	62	227742	20.614	ug/l	98
5) Bromomethane	2.851	94	146807	26.514	ug/l	97
6) Chloroethane	3.010	64	153549	22.838	ug/l	95
7) Trichlorofluoromethane	3.375	101	259850	18.650	ug/l	95
8) Diethyl Ether	3.822	74	104913	17.335	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.210	101	159239	20.324	ug/l #	66
10) 1,1-Dichloroethene	4.181	96	152866	19.172	ug/l	98
11) Methyl Iodide	4.422	142	211089	19.226	ug/l	85
12) Methyl Acetate	4.851	43	207397	13.591	ug/l	97
13) Acrolein	4.040	56	112393	56.177	ug/l	97
14) Acrylonitrile	5.545	53	465822	73.222	ug/l	98
15) Acetone	4.275	58	121659	72.748	ug/l	86
16) Carbon Disulfide	4.534	76	387063	17.951	ug/l	98
17) Allyl chloride	4.834	41	232896	14.174	ug/l	88
18) Methylene Chloride	5.092	84	183678	18.893	ug/l	98
19) trans-1,2-Dichloroethene	5.592	96	166506	19.869	ug/l	98
20) Diisopropyl ether	6.486	45	516463	15.617	ug/l	97
21) 1,1-Dichloroethane	6.386	63	307685	17.484	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	197234	19.417	ug/l	95
23) tert-Butyl Alcohol	5.357	59	150998	64.169	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	534989	17.580	ug/l	94
25) Chloroform	7.810	83	317692	18.798	ug/l	97
26) Cyclohexane	8.092	56	268614	16.863	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	231785	18.777	ug/l	99
30) 2-Butanone	7.328	43	600155	68.664	ug/l	99
31) 2,2-Dichloropropane	7.322	77	251195	21.707	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	271044	18.830	ug/l	99
33) Carbon Tetrachloride	8.198	117	227851	18.616	ug/l	96
34) Benzene	8.457	78	728514	19.067	ug/l	99
35) Methacrylonitrile	7.628	41	114537	13.525	ug/l	95
36) 1,2-Dichloroethane	8.528	62	254205	18.630	ug/l	97
37) Trichloroethene	9.210	130	186894	20.527	ug/l	98
38) Methylcyclohexane	9.457	83	298699	20.163	ug/l	98
39) 1,2-Dichloropropane	9.486	63	180086	17.780	ug/l	95
40) Dibromomethane	9.575	93	122399	19.103	ug/l	88
41) Bromodichloromethane	9.757	83	240798	18.639	ug/l	99
42) Vinyl Acetate	6.428	43	2170257	75.983	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	243769	14.341	ug/l	99
44) Isopropyl Acetate	8.557	43	390688	14.293	ug/l	95
45) 1,4-Dioxane	9.569	88	74913	307.751	ug/l	95
46) Methyl methacrylate	9.551	41	163700	13.537	ug/l	83
47) n-amyl Acetate	12.386	43	246285	13.583	ug/l	92
48) t-1,3-Dichloropropene	10.716	75	250404	17.795	ug/l	100
49) cis-1,3-Dichloropropene	10.186	75	280598	18.443	ug/l #	87
50) 1,1,2-Trichloroethane	10.892	97	183091	19.623	ug/l	98
51) Ethyl methacrylate	10.757	69	268400	16.722	ug/l	83
52) 1,3-Dichloropropane	11.039	76	310916	18.503	ug/l	99
53) Dibromochloromethane	11.233	129	185799	19.102	ug/l	99
54) 1,2-Dibromoethane	11.339	107	184740	19.096	ug/l	97
55) 2-Chloroethyl vinyl ether	10.033	63	364502	74.879	ug/l	99
56) Bromoform	12.451	173	134499	17.930	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	1178732	72.192	ug/l	93
59) 2-Hexanone	11.080	43	845398	69.654	ug/l	92
61) Tetrachloroethene	10.974	164	162291	21.879	ug/l	94
62) Toluene	10.498	91	800375	20.587	ug/l	97
64) Chlorobenzene	11.763	112	486047	20.614	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.839	131	174556	19.955	ug/l	97
66) Ethyl Benzene	11.839	91	850042	19.841	ug/l	95
67) m/p-Xylenes	11.951	106	667997	41.491	ug/l	97
68) o-Xylene	12.274	106	332546	20.521	ug/l	95
69) Styrene	12.292	104	507899	19.892	ug/l	98
70) Isopropylbenzene	12.574	105	836101	20.399	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	271658	19.105	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	198963m	15.395	ug/l	
73) Bromobenzene	12.857	156	194836	20.302	ug/l	97
74) n-propylbenzene	12.915	91	896269	19.840	ug/l	97
75) 2-Chlorotoluene	13.004	91	567002	20.024	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	666245	20.478	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	72549	16.953	ug/l	95
78) 4-Chlorotoluene	13.098	91	523713	19.959	ug/l	98
79) tert-butylbenzene	13.315	119	601624	20.249	ug/l	93
80) 1,2,4-Trimethylbenzene	13.363	105	659751m	20.904	ug/l	
81) sec-Butylbenzene	13.498	105	798565	20.191	ug/l	97
82) p-Isopropyltoluene	13.610	119	640981	20.151	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	330048	21.065	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	313364	21.008	ug/l	98
85) n-Butylbenzene	13.939	91	445957	18.830	ug/l	94
86) Hexachloroethane	14.204	117	117931	19.467	ug/l	81
87) 1,2-Dichlorobenzene	13.980	146	327904	21.575	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	45095	16.514	ug/l	88
89) 1,2,4-Trichlorobenzene	15.257	180	134474	19.108	ug/l	96
90) Hexachlorobutadiene	15.362	225	93364	23.480	ug/l	99
91) Naphthalene	15.498	128	337387	15.317	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	132808	18.401	ug/l	97

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

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