

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
 Data File : VN072000.D
 Acq On : 14 Apr 2022 16:43
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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

Quant Time: Apr 15 01:38:37 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

Supervised By :Mahesh
 Dadoda
 04/15/2022

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

Internal Standards						
1) Bromochloromethane	7.657	128	82621	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	441951	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	414428	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	163915	28.159	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.867%		
60) 4-Bromofluorobenzene	12.727	95	178165	28.994	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.633%		
63) Toluene-d8	10.439	98	564116	29.986	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.967%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	111334	21.650	ug/l	100
3) Chloromethane	2.299	50	116045	19.146	ug/l	97
4) Vinyl Chloride	2.440	62	118937	17.111	ug/l	99
5) Bromomethane	2.846	94	67666	16.520	ug/l	99
6) Chloroethane	3.010	64	73224	16.451	ug/l	92
7) Trichlorofluoromethane	3.375	101	152949	18.873	ug/l	97
8) Diethyl Ether	3.828	74	64510	18.944	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.216	101	98587	20.313	ug/l #	64
10) 1,1-Dichloroethene	4.187	96	92515	19.328	ug/l	95
11) Methyl Iodide	4.416	142	93020	13.262	ug/l	88
12) Methyl Acetate	4.857	43	125864	18.658	ug/l	90
13) Acrolein	4.040	56	69749	97.189	ug/l	98
14) Acrylonitrile	5.551	53	297548	97.390	ug/l	97
15) Acetone	4.287	58	78412	89.183	ug/l	74
16) Carbon Disulfide	4.534	76	248223	19.917	ug/l	98
17) Allyl chloride	4.840	41	135757	17.486	ug/l	80
18) Methylene Chloride	5.093	84	113055	19.688	ug/l	94
19) trans-1,2-Dichloroethene	5.593	96	101854	19.895	ug/l	99
20) Diisopropyl ether	6.492	45	298764	18.392	ug/l	91
21) 1,1-Dichloroethane	6.387	63	187755	19.144	ug/l	96
22) cis-1,2-Dichloroethene	7.328	96	119994	19.292	ug/l	93
23) tert-Butyl Alcohol	5.363	59	92904	85.219	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	322689m	18.679	ug/l	
25) Chloroform	7.816	83	191539	19.418	ug/l	95
26) Cyclohexane	8.092	56	159773	18.847	ug/l #	94
29) 1,1-Dichloropropene	8.222	75	141940	19.842	ug/l	99
30) 2-Butanone	7.334	43	365924	91.897	ug/l	94
31) 2,2-Dichloropropane	7.322	77	143759	17.641	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	161889	19.431	ug/l	99
33) Carbon Tetrachloride	8.204	117	137858	19.547	ug/l	99
34) Benzene	8.457	78	458699	20.639	ug/l	96
35) Methacrylonitrile	7.634	41	72183	18.894	ug/l	93
36) 1,2-Dichloroethane	8.528	62	145992	18.829	ug/l #	93
37) Trichloroethene	9.210	130	120020	20.929	ug/l	100
38) Methylcyclohexane	9.457	83	179658	19.925	ug/l	98
39) 1,2-Dichloropropane	9.486	63	111568	20.064	ug/l	96
40) Dibromomethane	9.575	93	75587	20.083	ug/l	84
41) Bromodichloromethane	9.757	83	146959	19.512	ug/l	97
42) Vinyl Acetate	6.428	43	1232733	90.352	ug/l #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	152922	19.805	ug/l	100
44) Isopropyl Acetate	8.557	43	217162	17.536	ug/l #	89
45) 1,4-Dioxane	9.569	88	52753	422.209	ug/l #	91
46) Methyl methacrylate	9.557	41	103490	19.057	ug/l	76
47) n-amyl Acetate	12.386	43	134477m	16.273	ug/l	
48) t-1,3-Dichloropropene	10.716	75	149116	18.216	ug/l	100
49) cis-1,3-Dichloropropene	10.186	75	172812	19.304	ug/l #	81
50) 1,1,2-Trichloroethane	10.892	97	118608	21.080	ug/l	98
51) Ethyl methacrylate	10.757	69	167369	19.266	ug/l	76
52) 1,3-Dichloropropane	11.039	76	196064	20.405	ug/l	97
53) Dibromochloromethane	11.233	129	117820	20.229	ug/l	99
54) 1,2-Dibromoethane	11.339	107	115291	19.920	ug/l	95
55) 2-Chloroethyl vinyl ether	10.039	63	389603	166.448	ug/l	97
56) Bromoform	12.457	173	87735	19.537	ug/l #	97
58) 4-Methyl-2-Pentanone	10.328	43	732031	93.050	ug/l #	89
59) 2-Hexanone	11.080	43	520595	90.635	ug/l	87
61) Tetrachloroethene	10.975	164	111111	22.029	ug/l	86
62) Toluene	10.504	91	511161	20.341	ug/l	97
64) Chlorobenzene	11.769	112	306605	19.781	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	111528	19.613	ug/l	99
66) Ethyl Benzene	11.839	91	525158	19.231	ug/l	97
67) m/p-Xylenes	11.951	106	417224	39.273	ug/l	96
68) o-Xylene	12.274	106	200832	19.020	ug/l	96
69) Styrene	12.292	104	316986	19.075	ug/l	97
70) Isopropylbenzene	12.574	105	513268	19.367	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.822	83	169075	19.602	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	149266m	20.143	ug/l	
73) Bromobenzene	12.857	156	122982	19.022	ug/l	93
74) n-propylbenzene	12.916	91	547676	18.934	ug/l	97
75) 2-Chlorotoluene	13.004	91	346050	19.144	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	423928	19.938	ug/l	95
77) t-1,4-Dichloro-2-butene	12.622	75	41542	15.966	ug/l	92
78) 4-Chlorotoluene	13.104	91	309549	18.336	ug/l	99
79) tert-butylbenzene	13.321	119	365556	19.053	ug/l	95
80) 1,2,4-Trimethylbenzene	13.363	105	400441	19.411	ug/l #	80
81) sec-Butylbenzene	13.498	105	488333	18.942	ug/l	97
82) p-Isopropyltoluene	13.610	119	393894	18.805	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	202053	19.099	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	189801	18.797	ug/l	97
85) n-Butylbenzene	13.939	91	271134	17.427	ug/l	97
86) Hexachloroethane	14.210	117	65938	16.857	ug/l	75
87) 1,2-Dichlorobenzene	13.986	146	197467	19.307	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.604	75	26782	17.451	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.263	180	91392	19.331	ug/l	98
90) Hexachlorobutadiene	15.368	225	59363	21.189	ug/l	98
91) Naphthalene	15.504	128	244266	20.293	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	92687	19.989	ug/l	98

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

