

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072678.D
 Acq On : 07 Jun 2022 10:36
 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 : John Carlone 06/08/2022
 Supervised By : Mahesh Dadoda 06/08/2022

Quant Time: Jun 08 09:54:34 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	7.657	128	38556	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	237398	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	208111	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	136266	30.989	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.300%			
60) 4-Bromofluorobenzene	12.727	95	119584	27.938	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.133%			
63) Toluene-d8	10.439	98	362636	31.456	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.867%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	57583	19.937	ug/l	98
3) Chloromethane	2.298	50	61206	19.487	ug/l	92
4) Vinyl Chloride	2.440	62	55627	19.642	ug/l	97
5) Bromomethane	2.851	94	26274	17.941	ug/l	99
6) Chloroethane	3.016	64	39887	21.123	ug/l	100
7) Trichlorofluoromethane	3.375	101	99418	19.419	ug/l	100
8) Diethyl Ether	3.816	74	39992	20.148	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.204	101	53610	19.877	ug/l	73
10) 1,1-Dichloroethene	4.175	96	50792	19.939	ug/l	97
11) Methyl Iodide	4.422	142	46376	18.183	ug/l	94
12) Methyl Acetate	4.845	43	110441	21.013	ug/l	93
13) Acrolein	4.040	56	34012	73.928	ug/l	98
14) Acrylonitrile	5.545	53	214378	100.066	ug/l	98
15) Acetone	4.281	58	57642	99.374	ug/l	99
16) Carbon Disulfide	4.528	76	117276	18.262	ug/l	97
17) Allyl chloride	4.839	41	103654	18.836	ug/l	86
18) Methylene Chloride	5.081	84	65104m	20.354	ug/l	
19) trans-1,2-Dichloroethene	5.592	96	54251	19.680	ug/l	90
20) Diisopropyl ether	6.486	45	228453	20.962	ug/l	97
21) 1,1-Dichloroethane	6.381	63	123245	20.354	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	69274	20.062	ug/l #	85
23) tert-Butyl Alcohol	5.357	59	87478	87.744	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	226954	20.033	ug/l	98
25) Chloroform	7.816	83	125042	20.103	ug/l	99
26) Cyclohexane	8.092	56	101387	20.083	ug/l #	92
29) 1,1-Dichloropropene	8.216	75	84480	18.668	ug/l	97
30) 2-Butanone	7.328	43	307055	93.757	ug/l	94
31) 2,2-Dichloropropane	7.322	77	64837	10.585	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	112359	18.976	ug/l	95
33) Carbon Tetrachloride	8.198	117	95563	18.715	ug/l	96
34) Benzene	8.457	78	261166	19.507	ug/l	98
35) Methacrylonitrile	7.628	41	64730	20.157	ug/l	96
36) 1,2-Dichloroethane	8.527	62	108143	19.119	ug/l	100
37) Trichloroethene	9.210	130	62446	19.348	ug/l	90
38) Methylcyclohexane	9.457	83	102553	18.983	ug/l	92
39) 1,2-Dichloropropane	9.486	63	71318	19.390	ug/l	99
40) Dibromomethane	9.574	93	49524	19.614	ug/l	93
41) Bromodichloromethane	9.757	83	105840	19.596	ug/l	94
42) Vinyl Acetate	6.428	43	996488	93.461	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	122944	19.593	ug/l	97
44) Isopropyl Acetate	8.557	43	199624	19.179	ug/l	98
45) 1,4-Dioxane	9.563	88	29507	344.974	ug/l	93
46) Methyl methacrylate	9.557	41	83173	17.871	ug/l	88
47) n-amyl Acetate	12.386	43	122783	15.408	ug/l	99
48) t-1,3-Dichloropropene	10.716	75	101342	16.439	ug/l	96
49) cis-1,3-Dichloropropene	10.186	75	106168	16.960	ug/l	97
50) 1,1,2-Trichloroethane	10.892	97	70656	19.793	ug/l	96
51) Ethyl methacrylate	10.757	69	118828	18.377	ug/l	94
52) 1,3-Dichloropropane	11.039	76	127269	20.034	ug/l	98
53) Dibromochloromethane	11.239	129	74393	18.888	ug/l	99
54) 1,2-Dibromoethane	11.345	107	70488	18.779	ug/l	96
55) 2-Chloroethyl vinyl ether	10.033	63	227207	89.718	ug/l	99
56) Bromoform	12.451	173	48427	17.647	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	627385	100.510	ug/l	98
59) 2-Hexanone	11.080	43	444569	93.943	ug/l	99
61) Tetrachloroethene	10.974	164	55162	21.418	ug/l	98
62) Toluene	10.498	91	283763	20.109	ug/l	97
64) Chlorobenzene	11.768	112	169664	19.748	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.833	131	68492	20.221	ug/l	99
66) Ethyl Benzene	11.839	91	324976	20.059	ug/l	99
67) m/p-Xylenes	11.951	106	227953	38.577	ug/l	91
68) o-Xylene	12.274	106	115037	19.083	ug/l	90
69) Styrene	12.292	104	181606	18.978	ug/l	95
70) Isopropylbenzene	12.574	105	307536	19.524	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	102175	19.162	ug/l	100
72) 1,2,3-Trichloropropane	12.874	75	98740m	21.219	ug/l	
73) Bromobenzene	12.857	156	59934	18.717	ug/l	78
74) n-propylbenzene	12.915	91	339267	18.822	ug/l	98
75) 2-Chlorotoluene	13.004	91	209433	18.745	ug/l	93
76) 1,3,5-Trimethylbenzene	13.057	105	249365	19.287	ug/l	100
77) t-1,4-Dichloro-2-butene	12.621	75	28197	14.377	ug/l	95
78) 4-Chlorotoluene	13.104	91	196192	18.587	ug/l	91
79) tert-butylbenzene	13.321	119	219834	19.045	ug/l	97
80) 1,2,4-Trimethylbenzene	13.498	105	298563	19.152	ug/l	100
81) sec-Butylbenzene	13.498	105	298563	19.152	ug/l	99
82) p-Isopropyltoluene	13.610	119	228488	18.360	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	100234	17.880	ug/l	96
84) 1,4-Dichlorobenzene	13.692	146	99294	18.242	ug/l	96
85) n-Butylbenzene	13.939	91	184215	17.458	ug/l	96
86) Hexachloroethane	14.204	117	51845	18.827	ug/l	87
87) 1,2-Dichlorobenzene	13.986	146	103978	18.742	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	23344	17.461	ug/l	88
89) 1,2,4-Trichlorobenzene	15.262	180	48268	17.265	ug/l	99
90) Hexachlorobutadiene	15.362	225	22612	18.028	ug/l	95
91) Naphthalene	15.503	128	176723	15.842	ug/l	99
92) 1,2,3-Trichlorobenzene	15.692	180	49772	17.500	ug/l	97

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

