

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060822\
 Data File : VN072695.D
 Acq On : 08 Jun 2022 10:10
 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 06/09/2022
 Supervised By : Mahesh Dadoda 06/09/2022

Quant Time: Jun 09 03:21:20 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	35197	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	212237	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.739	117	193800	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	121865	30.359	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.200%		
60) 4-Bromofluorobenzene	12.727	95	114476	28.719	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.733%		
63) Toluene-d8	10.439	98	321730	29.968	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	54905	20.824	ug/l	96
3) Chloromethane	2.293	50	57555	20.074	ug/l	98
4) Vinyl Chloride	2.434	62	54561	21.104	ug/l	97
5) Bromomethane	2.846	94	29049	21.728	ug/l	85
6) Chloroethane	3.010	64	41416	24.026	ug/l	98
7) Trichlorofluoromethane	3.369	101	94881	20.301	ug/l	92
8) Diethyl Ether	3.822	74	36893	20.360	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.210	101	53108	21.570	ug/l	77
10) 1,1-Dichloroethene	4.169	96	46339	19.927	ug/l	89
11) Methyl Iodide	4.416	142	45945	19.734	ug/l	98
12) Methyl Acetate	4.846	43	99427	20.723	ug/l	93
13) Acrolein	4.040	56	41880	99.718	ug/l	95
14) Acrylonitrile	5.545	53	207527	106.113	ug/l	99
15) Acetone	4.281	58	55387	104.599	ug/l	97
16) Carbon Disulfide	4.522	76	110034	18.770	ug/l	96
17) Allyl chloride	4.834	41	103333	20.569	ug/l	87
18) Methylene Chloride	5.087	84	60003	20.549	ug/l	89
19) trans-1,2-Dichloroethene	5.598	96	50459	20.051	ug/l	92
20) Diisopropyl ether	6.487	45	218112	21.923	ug/l	# 92
21) 1,1-Dichloroethane	6.387	63	117623	21.279	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	62715	19.896	ug/l	86
23) tert-Butyl Alcohol	5.357	59	90258	99.173	ug/l	# 100
24) Methyl tert-Butyl Ether	5.610	73	212585	20.555	ug/l	95
25) Chloroform	7.810	83	119774	21.094	ug/l	94
26) Cyclohexane	8.092	56	95172	20.651	ug/l	# 95
29) 1,1-Dichloropropene	8.216	75	81305	20.097	ug/l	94
30) 2-Butanone	7.328	43	301448	102.957	ug/l	95
31) 2,2-Dichloropropane	7.316	77	109417	19.980	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	105771	19.981	ug/l	95
33) Carbon Tetrachloride	8.198	117	89561	19.619	ug/l	94
34) Benzene	8.457	78	242796	20.285	ug/l	97
35) Methacrylonitrile	7.628	41	56415	19.650	ug/l	91
36) 1,2-Dichloroethane	8.528	62	103209	20.410	ug/l	98
37) Trichloroethene	9.210	130	57489	19.924	ug/l	84
38) Methylcyclohexane	9.457	83	100870	20.885	ug/l	94
39) 1,2-Dichloropropane	9.486	63	67606	20.560	ug/l	98
40) Dibromomethane	9.575	93	46594	20.642	ug/l	92
41) Bromodichloromethane	9.757	83	96813	20.050	ug/l	99
42) Vinyl Acetate	6.428	43	975736	102.364	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	109272	19.479	ug/l	99
44) Isopropyl Acetate	8.557	43	192760	20.715	ug/l	97
45) 1,4-Dioxane	9.563	88	29459	385.243	ug/l #	84
46) Methyl methacrylate	9.557	41	80236	19.284	ug/l	87
47) n-amyl Acetate	12.386	43	133369	18.721	ug/l	98
48) t-1,3-Dichloropropene	10.716	75	106391	19.304	ug/l	100
49) cis-1,3-Dichloropropene	10.186	75	109807	19.621	ug/l	96
50) 1,1,2-Trichloroethane	10.892	97	65985	20.676	ug/l	96
51) Ethyl methacrylate	10.757	69	115040	19.901	ug/l	93
52) 1,3-Dichloropropane	11.039	76	115266	20.296	ug/l	98
53) Dibromochloromethane	11.233	129	69684	19.790	ug/l	99
54) 1,2-Dibromoethane	11.339	107	67809	20.207	ug/l	99
55) 2-Chloroethyl vinyl ether	10.039	63	224664	99.231	ug/l	98
56) Bromoform	12.457	173	47377	19.311	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	607392	104.493	ug/l	98
59) 2-Hexanone	11.080	43	450426	102.209	ug/l	99
61) Tetrachloroethene	10.975	164	51182	21.341	ug/l	98
62) Toluene	10.504	91	269749	20.528	ug/l	97
64) Chlorobenzene	11.769	112	162239	20.279	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.839	131	64196	20.352	ug/l	100
66) Ethyl Benzene	11.839	91	306850	20.339	ug/l	97
67) m/p-Xylenes	11.951	106	223187	40.559	ug/l	93
68) o-Xylene	12.274	106	112834	20.100	ug/l	93
69) Styrene	12.292	104	172783	19.389	ug/l	96
70) Isopropylbenzene	12.574	105	300784	20.505	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	102130	20.568	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	89175m	20.579	ug/l	
73) Bromobenzene	12.857	156	59656	20.006	ug/l	76
74) n-propylbenzene	12.916	91	335887	20.011	ug/l	97
75) 2-Chlorotoluene	13.004	91	211675	20.344	ug/l	93
76) 1,3,5-Trimethylbenzene	13.057	105	246899	20.507	ug/l	100
77) t-1,4-Dichloro-2-butene	12.621	75	34450	18.862	ug/l	95
78) 4-Chlorotoluene	13.104	91	191052	19.437	ug/l	92
79) tert-butylbenzene	13.321	119	211977	19.721	ug/l	93
80) 1,2,4-Trimethylbenzene	13.498	105	290123	19.985	ug/l	100
81) sec-Butylbenzene	13.498	105	290123	19.985	ug/l	99
82) p-Isopropyltoluene	13.610	119	231665	19.990	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	101976	19.535	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	100232	19.774	ug/l	97
85) n-Butylbenzene	13.939	91	189196	19.254	ug/l	97
86) Hexachloroethane	14.210	117	49827	19.430	ug/l	90
87) 1,2-Dichlorobenzene	13.986	146	101370	19.621	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	23510	18.884	ug/l	91
89) 1,2,4-Trichlorobenzene	15.262	180	48108	18.478	ug/l	99
90) Hexachlorobutadiene	15.362	225	23190	19.854	ug/l	95
91) Naphthalene	15.504	128	177689	17.105	ug/l	100
92) 1,2,3-Trichlorobenzene	15.698	180	49159	18.560	ug/l	97

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

