

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072693.D
 Acq On : 07 Jun 2022 17:30
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/08/2022
 Supervised By : Mahesh Dadoda 06/08/2022

Quant Time: Jun 08 09:53:31 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	34338	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	210053	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.739	117	191109	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	120651	30.808	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.700%			
60) 4-Bromofluorobenzene	12.727	95	110748	28.175	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.933%			
63) Toluene-d8	10.439	98	320283	30.254	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.833%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	49131	19.100	ug/l	94
3) Chloromethane	2.293	50	52720	18.847	ug/l	98
4) Vinyl Chloride	2.434	62	50013	19.829	ug/l	99
5) Bromomethane	2.846	94	23928	18.346	ug/l	96
6) Chloroethane	3.016	64	36205	21.529	ug/l	99
7) Trichlorofluoromethane	3.363	101	86291	18.925	ug/l	96
8) Diethyl Ether	3.816	74	33120	18.735	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.204	101	46955	19.548	ug/l	75
10) 1,1-Dichloroethene	4.181	96	42237	18.617	ug/l	85
11) Methyl Iodide	4.422	142	41676	18.348	ug/l	96
12) Methyl Acetate	4.851	43	95880	20.484	ug/l	93
13) Acrolein	4.040	56	37609	91.788	ug/l	100
14) Acrylonitrile	5.545	53	195430	102.427	ug/l	99
15) Acetone	4.281	58	51386	99.470	ug/l	90
16) Carbon Disulfide	4.522	76	99218	17.348	ug/l	98
17) Allyl chloride	4.834	41	93258	19.028	ug/l	90
18) Methylene Chloride	5.087	84	54876	19.264	ug/l	95
19) trans-1,2-Dichloroethene	5.593	96	44895	18.286	ug/l	# 78
20) Diisopropyl ether	6.487	45	197121	20.309	ug/l	94
21) 1,1-Dichloroethane	6.387	63	106751	19.796	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	58166	18.914	ug/l	88
23) tert-Butyl Alcohol	5.363	59	85940	96.791	ug/l	# 100
24) Methyl tert-Butyl Ether	5.616	73	194896	19.316	ug/l	95
25) Chloroform	7.816	83	108004	19.497	ug/l	99
26) Cyclohexane	8.092	56	86337	19.203	ug/l	# 93
29) 1,1-Dichloropropene	8.216	75	73080	18.251	ug/l	96
30) 2-Butanone	7.334	43	283455	97.818	ug/l	94
31) 2,2-Dichloropropane	7.316	77	93515	17.254	ug/l	96
32) 1,1,1-Trichloroethane	8.010	97	96148	18.352	ug/l	96
33) Carbon Tetrachloride	8.204	117	79427	17.580	ug/l	94
34) Benzene	8.457	78	224612	18.961	ug/l	97
35) Methacrylonitrile	7.628	41	57163	20.118	ug/l	91
36) 1,2-Dichloroethane	8.528	62	93453	18.673	ug/l	100
37) Trichloroethene	9.216	130	53188	18.625	ug/l	88
38) Methylcyclohexane	9.457	83	88954	18.609	ug/l	93
39) 1,2-Dichloropropane	9.486	63	61962	19.039	ug/l	100
40) Dibromomethane	9.575	93	42305	18.936	ug/l	93
41) Bromodichloromethane	9.757	83	89278	18.682	ug/l	# 96
42) Vinyl Acetate	6.428	43	895967	94.973	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	103418	18.627	ug/l #	80
44) Isopropyl Acetate	8.557	43	174470	18.945	ug/l	97
45) 1,4-Dioxane	9.563	88	30562	403.823	ug/l	89
46) Methyl methacrylate	9.557	41	73945	17.957	ug/l	88
47) n-amyl Acetate	12.386	43	122798	17.416	ug/l	98
48) t-1,3-Dichloropropene	10.716	75	94446	17.314	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	98604	17.802	ug/l	100
50) 1,1,2-Trichloroethane	10.892	97	58241	18.439	ug/l	95
51) Ethyl methacrylate	10.757	69	104927	18.340	ug/l	92
52) 1,3-Dichloropropane	11.039	76	107573	19.138	ug/l	98
53) Dibromochloromethane	11.233	129	62268	17.868	ug/l	99
54) 1,2-Dibromoethane	11.345	107	61913	18.642	ug/l	98
55) 2-Chloroethyl vinyl ether	10.039	63	221281	98.752	ug/l	98
56) Bromoform	12.457	173	43313	17.838	ug/l #	100
58) 4-Methyl-2-Pentanone	10.327	43	572912	99.949	ug/l	98
59) 2-Hexanone	11.080	43	430322	99.022	ug/l	99
61) Tetrachloroethene	10.975	164	47252	19.979	ug/l	96
62) Toluene	10.504	91	247891	19.130	ug/l	97
64) Chlorobenzene	11.769	112	146468	18.565	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	59065	18.989	ug/l	99
66) Ethyl Benzene	11.839	91	282983	19.021	ug/l	99
67) m/p-Xylenes	11.951	106	203644	37.529	ug/l	94
68) o-Xylene	12.274	106	105049	18.977	ug/l	95
69) Styrene	12.292	104	160552	18.270	ug/l	95
70) Isopropylbenzene	12.574	105	272727	18.854	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	96970	19.804	ug/l	97
72) 1,2,3-Trichloropropane	12.874	75	93830m	21.958	ug/l	
73) Bromobenzene	12.857	156	53072	18.048	ug/l	71
74) n-propylbenzene	12.916	91	304133	18.374	ug/l	98
75) 2-Chlorotoluene	13.004	91	195205	19.026	ug/l	91
76) 1,3,5-Trimethylbenzene	13.057	105	224349	18.896	ug/l	100
77) t-1,4-Dichloro-2-butene	12.627	75	30589	16.984	ug/l	88
78) 4-Chlorotoluene	13.098	91	173213	17.870	ug/l	92
79) tert-butylbenzene	13.321	119	192964	18.205	ug/l	95
80) 1,2,4-Trimethylbenzene	13.498	105	265110	18.519	ug/l	100
81) sec-Butylbenzene	13.498	105	265110	18.519	ug/l	100
82) p-Isopropyltoluene	13.610	119	211895	18.542	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	95611	18.573	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	89880	17.982	ug/l	96
85) n-Butylbenzene	13.939	91	170645	17.611	ug/l	95
86) Hexachloroethane	14.210	117	44834	17.729	ug/l	89
87) 1,2-Dichlorobenzene	13.986	146	92206	18.098	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	21932	17.864	ug/l	87
89) 1,2,4-Trichlorobenzene	15.262	180	45069	17.555	ug/l	94
90) Hexachlorobutadiene	15.368	225	21458	18.630	ug/l	97
91) Naphthalene	15.504	128	170809	16.674	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	44988	17.225	ug/l	98

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

