

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
 Data File : VN071340.D
 Acq On : 17 Mar 2022 01:15
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 17 06:10:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:07:38 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Semsettin Yesilyurt 03/21/2022

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

Internal Standards						
1) Bromochloromethane	7.657	128	115616	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	659613	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	622145	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	271198	27.018	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	90.067%#		
60) 4-Bromofluorobenzene	12.727	95	299716	29.592	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.633%		
63) Toluene-d8	10.439	98	842127	29.403	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	768713	93.596	ug/l	98
3) Chloromethane	2.293	50	975906	100.423	ug/l	96
4) Vinyl Chloride	2.434	62	908142	99.288	ug/l	99
5) Bromomethane	2.816	94	427830	85.848	ug/l	98
6) Chloroethane	2.987	64	534218	100.435	ug/l	99
7) Trichlorofluoromethane	3.357	101	1152800	97.797	ug/l	99
8) Diethyl Ether	3.822	74	502898	105.493	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.204	101	647678m	94.289	ug/l	
10) 1,1-Dichloroethene	4.175	96	653981	98.665	ug/l	93
11) Methyl Iodide	4.416	142	942008	102.350	ug/l	94
12) Methyl Acetate	4.846	43	1191353	75.664	ug/l	94
13) Acrolein	4.034	56	823198	583.581	ug/l	98
14) Acrylonitrile	5.545	53	2610475	536.428	ug/l	98
15) Acetone	4.281	58	686499	426.072	ug/l	99
16) Carbon Disulfide	4.528	76	1835794	94.371	ug/l	98
17) Allyl chloride	4.834	41	1380472	93.645	ug/l	82
18) Methylene Chloride	5.093	84	784165	97.618	ug/l	88
19) trans-1,2-Dichloroethene	5.593	96	697608	99.452	ug/l	87
20) Diisopropyl ether	6.492	45	2754502	97.274	ug/l	90
21) 1,1-Dichloroethane	6.381	63	1450540	96.239	ug/l	99
22) cis-1,2-Dichloroethene	7.322	96	838674	100.046	ug/l	97
23) tert-Butyl Alcohol	5.369	59	992306	616.029	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	2520048	104.986	ug/l	96
25) Chloroform	7.816	83	1372695	92.406	ug/l	98
26) Cyclohexane	8.092	56	1333539	96.477	ug/l #	91
29) 1,1-Dichloropropene	8.222	75	1067227	94.779	ug/l	96
30) 2-Butanone	7.328	43	3692172	473.835	ug/l	95
31) 2,2-Dichloropropane	7.322	77	969079	82.932	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	1218593	92.573	ug/l	97
33) Carbon Tetrachloride	8.204	117	1053533	91.087	ug/l	99
34) Benzene	8.457	78	3214017	95.275	ug/l	98
35) Methacrylonitrile	7.634	41	683839	92.135	ug/l	88
36) 1,2-Dichloroethane	8.528	62	1134838	86.755	ug/l	98
37) Trichloroethene	9.216	130	788857	98.520	ug/l	100
38) Methylcyclohexane	9.457	83	1310695	97.548	ug/l	93
39) 1,2-Dichloropropane	9.486	63	853369	94.830	ug/l	98
40) Dibromomethane	9.575	93	541396	92.309	ug/l	92
41) Bromodichloromethane	9.757	83	1113075	90.454	ug/l	97
42) Vinyl Acetate	6.428	43	12337802	522.278	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	1432827	101.972	ug/l	97
44) Isopropyl Acetate	8.557	43	2249269	100.109	ug/l	99
45) 1,4-Dioxane	9.563	88	406124	2423.035	ug/l	90
46) Methyl methacrylate	9.557	41	1019359	98.245	ug/l	81
47) n-amyl Acetate	12.380	43	1705354	108.559	ug/l	100
48) t-1,3-Dichloropropene	10.716	75	1247395	98.741	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	1335837	97.571	ug/l	92
50) 1,1,2-Trichloroethane	10.898	97	790982	97.948	ug/l	99
51) Ethyl methacrylate	10.757	69	1434987	108.355	ug/l	89
52) 1,3-Dichloropropane	11.039	76	1429812	99.541	ug/l	99
53) Dibromochloromethane	11.233	129	859117	95.798	ug/l	99
54) 1,2-Dibromoethane	11.339	107	832303	100.306	ug/l	96
55) 2-Chloroethyl vinyl ether	10.039	63	2311154	813.609	ug/l	98
56) Bromoform	12.457	173	676711	98.974	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	7309547	500.433	ug/l	97
59) 2-Hexanone	11.080	43	5527897	513.003	ug/l	98
61) Tetrachloroethene	10.975	164	663382	92.715	ug/l	91
62) Toluene	10.504	91	3473488	94.743	ug/l	96
64) Chlorobenzene	11.769	112	2150700	98.532	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	799581	97.379	ug/l	99
66) Ethyl Benzene	11.839	91	3986424	98.267	ug/l	98
67) m/p-Xylenes	11.951	106	2998477	201.463	ug/l	100
68) o-Xylene	12.274	106	1498316	101.017	ug/l	100
69) Styrene	12.292	104	2463710	102.928	ug/l	98
70) Isopropylbenzene	12.574	105	3857740	99.926	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.822	83	1265981	98.499	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	1199441m	104.034	ug/l	
73) Bromobenzene	12.857	156	902253	100.739	ug/l	94
74) n-propylbenzene	12.916	91	4375533	98.889	ug/l	100
75) 2-Chlorotoluene	13.004	91	2665054	97.844	ug/l	97
76) 1,3,5-Trimethylbenzene	13.057	105	3095187	98.188	ug/l	97
77) t-1,4-Dichloro-2-butene	12.622	75	422536	111.232	ug/l	95
78) 4-Chlorotoluene	13.104	91	2551878	98.699	ug/l	96
79) tert-butylbenzene	13.321	119	2785051	100.514	ug/l	96
80) 1,2,4-Trimethylbenzene	13.363	105	3017895m	98.761	ug/l	
81) sec-Butylbenzene	13.498	105	3857094	101.134	ug/l	99
82) p-Isopropyltoluene	13.610	119	3151600	103.678	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	1524817	101.335	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	1459511	101.051	ug/l	99
85) n-Butylbenzene	13.939	91	2495074	100.280	ug/l	95
86) Hexachloroethane	14.204	117	592012	98.199	ug/l	85
87) 1,2-Dichlorobenzene	13.986	146	1426154	98.170	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	262496	105.699	ug/l	93
89) 1,2,4-Trichlorobenzene	15.263	180	741786	110.020	ug/l	98
90) Hexachlorobutadiene	15.368	225	374750	95.059	ug/l	98
91) Naphthalene	15.504	128	2439398	133.556	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	755168	116.994	ug/l	99

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

