

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062510.D
 Acq On : 13 Jul 2020 10:48
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:44 AM

Quant Time: Jul 14 00:47:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 13 10:35:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	45803	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	263567	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	242958	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	119068	38.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	128.77%
60) 4-Bromofluorobenzene	12.37	95	125263	33.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	113.23%
63) Toluene-d8	10.06	98	339412	32.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	255457	123.503	ug/l 98
3) Chloromethane	2.04	50	359173	139.237	ug/l 99
4) Vinyl Chloride	2.16	62	316398	98.230	ug/l 98
5) Bromomethane	2.51	94	156666m	79.277	ug/l
6) Chloroethane	2.66	64	157011	73.884	ug/l 97
7) Trichlorofluoromethane	2.98	101	374300	84.216	ug/l 99
8) Diethyl Ether	3.37	74	180048	115.999	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	238528	98.395	ug/l 99
10) 1,1-Dichloroethene	3.69	96	243924	101.447	ug/l 98
11) Methyl Iodide	3.91	142	328917	103.422	ug/l 98
12) Methyl Acetate	4.27	43	331554	150.672	ug/l 98
13) Acrolein	3.56	56	275908	886.431	ug/l 99
14) Acrylonitrile	4.93	53	788763	716.591	ug/l 99
15) Acetone	3.77	58	223453	641.943	ug/l 99
16) Carbon Disulfide	4.01	76	797079	147.406	ug/l 99
17) Allyl chloride	4.27	41	496264	151.185	ug/l 99
18) Methylene Chloride	4.50	84	294308	104.404	ug/l 99
19) trans-1,2-Dichloroethene	4.99	96	269318	100.935	ug/l 95
20) Diisopropyl ether	5.90	45	1067803	143.101	ug/l 94
21) 1,1-Dichloroethane	5.80	63	565666	122.305	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	306464	97.993	ug/l 99
23) tert-Butyl Alcohol	4.73	59	264692	639.079	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	915577	114.799	ug/l 99
25) Chloroform	7.33	83	518123	103.830	ug/l 97
26) Cyclohexane	7.61	56	511550	139.850	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	415765	110.553	ug/l 99
30) 2-Butanone	6.78	43	1096769	728.237	ug/l 99
31) 2,2-Dichloropropane	6.77	77	459172	104.380	ug/l # 72
32) 1,1,1-Trichloroethane	7.53	97	441573	94.962	ug/l 99
33) Carbon Tetrachloride	7.73	117	385787	100.215	ug/l 98
34) Benzene	8.00	78	1220681	104.830	ug/l # 90
35) Methacrylonitrile	7.12	41	211634	158.979	ug/l 98
36) 1,2-Dichloroethane	8.09	62	435404	112.536	ug/l 100
37) Trichloroethene	8.80	130	277757	81.573	ug/l 98
38) Methylcyclohexane	9.05	83	474361	113.040	ug/l 99
39) 1,2-Dichloropropane	9.08	63	347140	118.723	ug/l 100
40) Dibromomethane	9.18	93	199060	96.664	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	428695	101.716	ug/l	98
42) Vinyl Acetate	5.84	43	4591021	749.862	ug/l	99
43) Ethyl Acetate	6.88	43	449582	148.215	ug/l	96
44) Isopropyl Acetate	8.12	43	753422	142.791	ug/l	98
45) 1,4-Dioxane	9.17	88	105399	2131.814	ug/l	98
46) Methyl methacrylate	9.17	41	365096	153.707	ug/l	97
47) n-amyl Acetate	12.04	43	678326	151.315	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	513553	113.789	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	549271	111.918	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	278250	93.195	ug/l	97
51) Ethyl methacrylate	10.40	69	495741	120.635	ug/l	97
52) 1,3-Dichloropropane	10.68	76	518192	105.837	ug/l	100
53) Dibromochloromethane	10.87	129	316356	91.455	ug/l	98
54) 1,2-Dibromoethane	10.98	107	292138	94.693	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	842306	556.442	ug/l	100
56) Bromoform	12.10	173	219617	90.839	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	2228377	733.420	ug/l	99
59) 2-Hexanone	10.72	43	1651779	744.684	ug/l	99
61) Tetrachloroethene	10.60	164	226843	64.506	ug/l	94
62) Toluene	10.12	91	1264716	99.347	ug/l	99
64) Chlorobenzene	11.41	112	750333	93.686	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	278170	91.210	ug/l	99
66) Ethyl Benzene	11.48	91	1430528	102.396	ug/l	99
67) m/p-Xylenes	11.59	106	1046188	192.410	ug/l	98
68) o-Xylene	11.92	106	500998	97.220	ug/l	98
69) Styrene	11.94	104	863463	98.482	ug/l	99
70) Isopropylbenzene	12.22	105	1342414	98.131	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	436520	114.679	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	418228m	117.698	ug/l	
73) Bromobenzene	12.50	156	310595	86.505	ug/l	98
74) n-propylbenzene	12.56	91	1623487	104.427	ug/l	99
75) 2-Chlorotoluene	12.65	91	961782	103.898	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	1157397	101.482	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	168169	128.454	ug/l	95
78) 4-Chlorotoluene	12.75	91	999978	104.376	ug/l	100
79) tert-butylbenzene	12.97	119	939305	95.459	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	1153982	100.873	ug/l	99
81) sec-Butylbenzene	13.15	105	1302419	102.426	ug/l	100
82) p-Isopropyltoluene	13.26	119	1163975	99.488	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	560752	88.151	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	559058	89.635	ug/l	98
85) n-Butylbenzene	13.59	91	1040804	107.824	ug/l	98
86) Hexachloroethane	13.85	117	223591	127.849	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	527762	87.361	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.25	75	86587	121.510	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	292667	84.887	ug/l	97
90) Hexachlorobutadiene	14.98	225	145004	93.105	ug/l	97
91) Naphthalene	15.10	128	791304	82.821	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	288525	85.157	ug/l	99

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

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