

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063891.D
 Acq On : 6 Oct 2020 11:39
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:35 PM

Quant Time: Oct 06 12:32:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 12:20:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	54745	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	291213	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	278149	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	146411	35.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	119.63%
60) 4-Bromofluorobenzene	12.38	95	147587	33.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	110.27%
63) Toluene-d8	10.06	98	380116	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	389092	97.954	ug/l 100
3) Chloromethane	2.04	50	399728	92.913	ug/l 97
4) Vinyl Chloride	2.16	62	395712	91.292	ug/l 98
5) Bromomethane	2.53	94	251670	93.657	ug/l 94
6) Chloroethane	2.67	64	242667	93.770	ug/l 99
7) Trichlorofluoromethane	2.98	101	607064	109.728	ug/l 99
8) Diethyl Ether	3.37	74	203780	111.303	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	311102	103.892	ug/l 97
10) 1,1-Dichloroethene	3.70	96	302239	111.876	ug/l 97
11) Methyl Iodide	3.91	142	412441	112.265	ug/l 99
12) Methyl Acetate	4.28	43	380379	107.903	ug/l 100
13) Acrolein	3.57	56	214458	613.701	ug/l 98
14) Acrylonitrile	4.93	53	799260	527.563	ug/l 96
15) Acetone	3.77	58	219773	497.819	ug/l 99
16) Carbon Disulfide	4.01	76	896058	120.896	ug/l 100
17) Allyl chloride	4.28	41	556510	109.809	ug/l 99
18) Methylene Chloride	4.50	84	355964	97.292	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	344031	115.887	ug/l 97
20) Diisopropyl ether	5.90	45	1155967	103.109	ug/l 99
21) 1,1-Dichloroethane	5.80	63	676654	106.891	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	393602	108.783	ug/l 94
23) tert-Butyl Alcohol	4.73	59	329719	622.891	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1046303	107.313	ug/l # 53
25) Chloroform	7.33	83	718512	112.570	ug/l 98
26) Cyclohexane	7.61	56	515251	98.954	ug/l # 95
29) 1,1-Dichloropropene	7.75	75	532322	117.121	ug/l 99
30) 2-Butanone	6.78	43	1305781	613.309	ug/l 100
31) 2,2-Dichloropropane	6.78	77	613341	111.139	ug/l # 79
32) 1,1,1-Trichloroethane	7.53	97	655534	118.120	ug/l 98
33) Carbon Tetrachloride	7.73	117	585108	123.009	ug/l 99
34) Benzene	8.00	78	1483222	105.121	ug/l # 92
35) Methacrylonitrile	7.13	41	272149	138.019	ug/l 96
36) 1,2-Dichloroethane	8.09	62	635816	124.485	ug/l 99
37) Trichloroethene	8.80	130	378007	108.347	ug/l 99
38) Methylcyclohexane	9.05	83	455680	86.709	ug/l 98
39) 1,2-Dichloropropane	9.08	63	395722	97.491	ug/l 100
40) Dibromomethane	9.17	93	276150	112.363	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	589496	110.325	ug/l	96
42) Vinyl Acetate	5.84	43	5616462	673.779	ug/l	100
43) Ethyl Acetate	6.88	43	560093	135.201	ug/l	97
44) Isopropyl Acetate	8.13	43	944477	133.401	ug/l #	100
45) 1,4-Dioxane	9.16	88	117130	1942.258	ug/l	92
46) Methyl methacrylate	9.17	41	484984	138.976	ug/l	97
47) n-amyl Acetate	12.05	43	887966	142.575	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	659867	115.971	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	671905	110.576	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	374954	102.902	ug/l	95
51) Ethyl methacrylate	10.40	69	598915	118.728	ug/l	95
52) 1,3-Dichloropropane	10.68	76	648033	107.122	ug/l	99
53) Dibromochloromethane	10.87	129	448501	110.607	ug/l	99
54) 1,2-Dibromoethane	10.98	107	400527	112.148	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	1549182	1119.654	ug/l	100
56) Bromoform	12.10	173	321076	109.687	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	2866926	651.420	ug/l	99
59) 2-Hexanone	10.72	43	2151976	678.398	ug/l	98
61) Tetrachloroethene	10.60	164	349941	107.811	ug/l	99
62) Toluene	10.13	91	1654598	107.680	ug/l	98
64) Chlorobenzene	11.41	112	998001	105.633	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	391939	104.744	ug/l	98
66) Ethyl Benzene	11.49	91	1894767	112.505	ug/l	100
67) m/p-Xylenes	11.59	106	1405742	223.160	ug/l	98
68) o-Xylene	11.92	106	670879	111.385	ug/l	99
69) Styrene	11.94	104	1175626	112.288	ug/l	99
70) Isopropylbenzene	12.23	105	1802308	110.475	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	548044	105.894	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	535864m	112.264	ug/l	
73) Bromobenzene	12.50	156	446429	103.266	ug/l	96
74) n-propylbenzene	12.57	91	2101729	107.875	ug/l	98
75) 2-Chlorotoluene	12.65	91	1276708	109.534	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	1528681	110.238	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	210270	124.792	ug/l	97
78) 4-Chlorotoluene	12.75	91	1360435	112.480	ug/l	100
79) tert-butylbenzene	12.97	119	1214226	104.781	ug/l	97
80) 1,2,4-Trimethylbenzene	13.02	105	1542071	113.123	ug/l	99
81) sec-Butylbenzene	13.15	105	1620869	102.311	ug/l	99
82) p-Isopropyltoluene	13.26	119	1483995	105.482	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	796858	104.962	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	794480	106.593	ug/l	99
85) n-Butylbenzene	13.59	91	1309769	109.763	ug/l	97
86) Hexachloroethane	13.85	117	248344	92.245	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	779863	106.592	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	133386	145.819	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	417089	112.940	ug/l	98
90) Hexachlorobutadiene	14.98	225	204501	80.167	ug/l	95
91) Naphthalene	15.10	128	1305152	146.414	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	406659	110.879	ug/l	97

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

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