

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064415.D
 Acq On : 2 Nov 2020 15:01
 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
 11/3/2020 2:20:48 PM

Quant Time: Nov 02 15:23:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	60657	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	325166	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	306830	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	143852	26.83	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.43%#
60) 4-Bromofluorobenzene	12.37	95	158784	29.50	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.33%
63) Toluene-d8	10.06	98	411816	30.20	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	386492	81.053	ug/l 98
3) Chloromethane	2.04	50	410626	90.653	ug/l 97
4) Vinyl Chloride	2.16	62	417590	93.759	ug/l 99
5) Bromomethane	2.52	94	265813	95.978	ug/l 98
6) Chloroethane	2.67	64	247055	98.319	ug/l 97
7) Trichlorofluoromethane	2.98	101	680709	97.802	ug/l 95
8) Diethyl Ether	3.37	74	211526	96.556	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	339382	95.712	ug/l 99
10) 1,1-Dichloroethene	3.70	96	328726	97.421	ug/l 94
11) Methyl Iodide	3.91	142	480657	100.375	ug/l 98
12) Methyl Acetate	4.27	43	354371	89.619	ug/l 100
13) Acrolein	3.57	56	189346	650.646	ug/l 91
14) Acrylonitrile	4.93	53	815730	471.702	ug/l 99
15) Acetone	3.77	58	259982	500.539	ug/l 90
16) Carbon Disulfide	4.01	76	949933	94.710	ug/l 99
17) Allyl chloride	4.28	41	627873	98.418	ug/l 91
18) Methylene Chloride	4.50	84	377129	97.565	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	370982	99.851	ug/l 92
20) Diisopropyl ether	5.90	45	1285557	98.890	ug/l 96
21) 1,1-Dichloroethane	5.79	63	691175	94.805	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	436479	102.041	ug/l 98
23) tert-Butyl Alcohol	4.73	59	305988	395.781	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1199470	94.761	ug/l # 64
25) Chloroform	7.33	83	740611	97.900	ug/l 98
26) Cyclohexane	7.61	56	569474	96.046	ug/l 97
29) 1,1-Dichloropropene	7.75	75	564188	102.365	ug/l 88
30) 2-Butanone	6.78	43	1280596	489.874	ug/l 100
31) 2,2-Dichloropropane	6.77	77	668830	100.592	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	713990	102.249	ug/l 99
33) Carbon Tetrachloride	7.73	117	648542	101.725	ug/l 95
34) Benzene	8.00	78	1553938	103.779	ug/l # 90
35) Methacrylonitrile	7.13	41	224352	84.363	ug/l 93
36) 1,2-Dichloroethane	8.08	62	613248	93.384	ug/l 99
37) Trichloroethene	8.80	130	438309	106.982	ug/l 93
38) Methylcyclohexane	9.05	83	507416	95.625	ug/l 98
39) 1,2-Dichloropropane	9.08	63	405540	101.998	ug/l 99
40) Dibromomethane	9.17	93	288590	103.149	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	610381	101.185	ug/l	97
42) Vinyl Acetate	5.84	43	5501537	500.239	ug/l	99
43) Ethyl Acetate	6.88	43	506494	98.946	ug/l #	81
44) Isopropyl Acetate	8.12	43	887947	93.046	ug/l #	82
45) 1,4-Dioxane	9.16	88	125522	1733.796	ug/l	94
46) Methyl methacrylate	9.16	41	444666	95.652	ug/l	96
47) n-amyl Acetate	12.04	43	802918	99.934	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	687097	102.607	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	714966	103.502	ug/l	94
50) 1,1,2-Trichloroethane	10.53	97	390649	104.438	ug/l	94
51) Ethyl methacrylate	10.40	69	595465	103.745	ug/l	92
52) 1,3-Dichloropropane	10.68	76	670064	102.359	ug/l	99
53) Dibromochloromethane	10.87	129	496506	108.855	ug/l	99
54) 1,2-Dibromoethane	10.97	107	420321	105.282	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	1504904	523.988	ug/l	99
56) Bromoform	12.10	173	366746	113.610	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	2560168	465.884	ug/l	98
59) 2-Hexanone	10.72	43	1920439	464.034	ug/l	98
61) Tetrachloroethene	10.60	164	422527	102.892	ug/l	97
62) Toluene	10.12	91	1760486	103.901	ug/l	99
64) Chlorobenzene	11.40	112	1108469	104.776	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	441155	105.699	ug/l	100
66) Ethyl Benzene	11.48	91	1981195	103.349	ug/l	97
67) m/p-Xylenes	11.59	106	1510114	212.688	ug/l	97
68) o-Xylene	11.92	106	721884	103.591	ug/l	98
69) Styrene	11.94	104	1248009	108.263	ug/l	97
70) Isopropylbenzene	12.22	105	1855384	101.145	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	526800	101.728	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	531596m	99.160	ug/l	
73) Bromobenzene	12.50	156	490830	107.842	ug/l	98
74) n-propylbenzene	12.56	91	2109860	101.595	ug/l	99
75) 2-Chlorotoluene	12.65	91	1315326	101.987	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	1557734	101.102	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	206566	102.587	ug/l	95
78) 4-Chlorotoluene	12.75	91	1378488	102.398	ug/l	96
79) tert-butylbenzene	12.97	119	1269132	99.694	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	1577206	101.338	ug/l	98
81) sec-Butylbenzene	13.14	105	1574395	96.005	ug/l	100
82) p-Isopropyltoluene	13.26	119	1477731	98.309	ug/l	98
83) 1,3-Dichlorobenzene	13.25	146	852626	108.529	ug/l	100
84) 1,4-Dichlorobenzene	13.33	146	851224	107.634	ug/l	100
85) n-Butylbenzene	13.59	91	1210037	93.107	ug/l	97
86) Hexachloroethane	13.85	117	283841	101.917	ug/l	96
87) 1,2-Dichlorobenzene	13.62	146	819183	105.826	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	120747	95.002	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	423821	99.145	ug/l	96
90) Hexachlorobutadiene	14.98	225	203048	88.111	ug/l	96
91) Naphthalene	15.10	128	1279471	101.186	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	410175	100.205	ug/l	99

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

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