

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051610.D
 Acq On : 28 Sep 2018 9:28
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:37 PM

Quant Time: Sep 29 00:57:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	113892	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	613064	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	548990	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	236077	29.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.23%
60) 4-Bromofluorobenzene	12.40	95	270374	32.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.77%
63) Toluene-d8	10.09	98	763979	29.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.85	85	1007955	100.845	ug/l	99
3) Chloromethane	2.06	50	1103258	98.637	ug/l	100
4) Vinyl Chloride	2.18	62	1104819	100.690	ug/l	98
5) Bromomethane	2.56	94	557371	97.793	ug/l	100
6) Chloroethane	2.70	64	557747	101.326	ug/l	99
7) Trichlorofluoromethane	3.01	101	1309641	97.689	ug/l	99
8) Diethyl Ether	3.41	74	423202	100.504	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	732456	96.657	ug/l	98
10) 1,1-Dichloroethene	3.74	96	680802	98.997	ug/l	98
11) Methyl Iodide	3.95	142	1015286	114.691	ug/l	99
12) Methyl Acetate	4.33	43	563111	92.781	ug/l	96
13) Acrolein	3.61	56	344460	513.707	ug/l	99
14) Acrylonitrile	4.99	53	1232790	507.189	ug/l	98
15) Acetone	3.82	58	307387	482.329	ug/l	99
16) Carbon Disulfide	4.05	76	2166917	97.781	ug/l	100
17) Allyl chloride	4.33	41	1269109	103.163	ug/l	98
18) Methylene Chloride	4.55	84	757624	95.826	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	724095	99.190	ug/l	98
20) Diisopropyl ether	5.95	45	2482705	101.731	ug/l	97
21) 1,1-Dichloroethane	5.85	63	1408970	97.412	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	804182	100.868	ug/l	99
23) tert-Butyl Alcohol	4.79	59	231176	499.086	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	1869011	103.410	ug/l	99
25) Chloroform	7.37	83	1346812	97.385	ug/l	99
26) Cyclohexane	7.65	56	1328097	106.106	ug/l	99
29) 1,1-Dichloropropene	7.80	75	1083976	103.691	ug/l	99
30) 2-Butanone	6.84	43	1462683	514.088	ug/l	99
31) 2,2-Dichloropropane	6.83	77	1139466	100.992	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1170928	99.688	ug/l	99
33) Carbon Tetrachloride	7.78	117	1070466	101.399	ug/l	99
34) Benzene	8.04	78	3118404	100.545	ug/l #	92
35) Methacrylonitrile	7.18	41	314325	95.308	ug/l	96
36) 1,2-Dichloroethane	8.13	62	982496	99.382	ug/l	100
37) Trichloroethene	8.84	130	800797	100.566	ug/l	100
38) Methylcyclohexane	9.08	83	1312705	108.821	ug/l	97
39) 1,2-Dichloropropane	9.12	63	849177	99.921	ug/l	100
40) Dibromomethane	9.21	93	471337	99.840	ug/l	98

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41) Bromodichloromethane	9.40	83	1039320	100.856	ug/l	98
42) Vinyl Acetate	5.90	43	8506511	537.039	ug/l	99
43) Ethyl Acetate	6.93	43	625594	103.878	ug/l	100
44) Isopropyl Acetate	8.17	43	1196600	101.476	ug/l	99
45) 1,4-Dioxane	9.20	88	135664	2129.620	ug/l	99
46) Methyl methacrylate	9.20	41	595274	108.518	ug/l	97
47) n-amyl Acetate	12.07	43	1025011	116.176	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1092257	106.198	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1261571	104.915	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	655555	98.261	ug/l	98
51) Ethyl methacrylate	10.43	69	900053	111.192	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1157525	101.191	ug/l	99
53) Dibromochloromethane	10.90	129	780494	102.717	ug/l	99
54) 1,2-Dibromoethane	11.01	107	654749	102.279	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	2246375	561.458	ug/l	100
56) Bromoform	12.13	173	531581	105.432	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	3132733	502.602	ug/l	100
59) 2-Hexanone	10.75	43	2141267	522.193	ug/l	97
61) Tetrachloroethene	10.63	164	751387	96.671	ug/l	98
62) Toluene	10.16	91	3341482	99.264	ug/l	99
64) Chlorobenzene	11.43	112	2056189	101.026	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	768003	98.819	ug/l	99
66) Ethyl Benzene	11.51	91	3671997	106.583	ug/l	100
67) m/p-Xylenes	11.62	106	2826256	212.853	ug/l	100
68) o-Xylene	11.95	106	1350695	106.563	ug/l	97
69) Styrene	11.96	104	2187076	109.933	ug/l	99
70) Isopropylbenzene	12.25	105	3611621	106.820	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	809651	98.979	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	690224m	102.411	ug/l	
73) Bromobenzene	12.53	156	875657	104.072	ug/l	97
74) n-propylbenzene	12.59	91	4249249	107.958	ug/l	99
75) 2-Chlorotoluene	12.68	91	2447724	104.142	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	3016530	106.774	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	253175	114.301	ug/l	96
78) 4-Chlorotoluene	12.77	91	2504397	107.870	ug/l	99
79) tert-butylbenzene	12.99	119	2629493	107.431	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	3047058	107.982	ug/l	100
81) sec-Butylbenzene	13.17	105	3625513	107.231	ug/l	100
82) p-Isopropyltoluene	13.29	119	3190034	110.393	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1578564	107.668	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1518703	110.197	ug/l	99
85) n-Butylbenzene	13.62	91	2777132	117.084	ug/l	99
86) Hexachloroethane	13.88	117	589458	101.987	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	1508807	105.199	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	125234	105.041	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	865450	128.923	ug/l	98
90) Hexachlorobutadiene	15.01	225	538223	98.346	ug/l	98
91) Naphthalene	15.13	128	1698785	134.752	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	822245	121.789	ug/l	100

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

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