

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051681.D
 Acq On : 5 Oct 2018 12:49
 Operator : MD\SY
 Sample : VN1005WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1005WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 3:58:50 PM

Quant Time: Oct 05 17:28:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	102529	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	586151	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	518893	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	208209	29.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.53%
60) 4-Bromofluorobenzene	12.40	95	210468	26.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.60%
63) Toluene-d8	10.09	98	703352	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	119648	20.006	ug/l 100
3) Chloromethane	2.06	50	120909	20.594	ug/l 99
4) Vinyl Chloride	2.18	62	190709	21.356	ug/l 98
5) Bromomethane	2.57	94	147132	21.195	ug/l 86
6) Chloroethane	2.70	64	127533	21.307	ug/l 99
7) Trichlorofluoromethane	3.01	101	199275	19.485	ug/l 93
8) Diethyl Ether	3.41	74	54291	19.875	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	105974	20.206	ug/l 42
10) 1,1-Dichloroethene	3.74	96	96530	20.169	ug/l 90
11) Methyl Iodide	3.95	142	115024	18.720	ug/l 94
12) Methyl Acetate	4.33	43	77251	20.454	ug/l 98
13) Acrolein	3.61	56	28017	100.905	ug/l 86
14) Acrylonitrile	4.99	53	150712	97.735	ug/l 97
15) Acetone	3.82	58	36901	100.131	ug/l 75
16) Carbon Disulfide	4.05	76	269840	19.711	ug/l 98
17) Allyl chloride	4.32	41	139965	20.051	ug/l 78
18) Methylene Chloride	4.55	84	109730	20.321	ug/l 93
19) trans-1,2-Dichloroethene	5.04	96	103880	19.201	ug/l 86
20) Diisopropyl ether	5.96	45	301178	19.210	ug/l # 87
21) 1,1-Dichloroethane	5.85	63	191283	19.549	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	125208	19.670	ug/l 88
23) tert-Butyl Alcohol	4.79	59	43626	109.525	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	304223	19.797	ug/l # 58
25) Chloroform	7.37	83	214139	19.355	ug/l 94
26) Cyclohexane	7.66	56	156246	18.792	ug/l # 84
29) 1,1-Dichloropropene	7.80	75	147351	18.914	ug/l 96
30) 2-Butanone	6.84	43	183055	96.482	ug/l # 92
31) 2,2-Dichloropropane	6.83	77	191234	19.704	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	199812	19.073	ug/l 97
33) Carbon Tetrachloride	7.78	117	173218	18.238	ug/l 92
34) Benzene	8.04	78	445794	18.917	ug/l # 72
35) Methacrylonitrile	7.18	41	45042	21.511	ug/l 94
36) 1,2-Dichloroethane	8.13	62	152076	19.280	ug/l 98
37) Trichloroethene	8.84	130	123818	18.895	ug/l 99
38) Methylcyclohexane	9.08	83	180141	18.260	ug/l 85
39) 1,2-Dichloropropane	9.12	63	111581	19.331	ug/l 97
40) Dibromomethane	9.21	93	77080	19.303	ug/l 98

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41) Bromodichloromethane	9.40	83	168465	18.904	ug/l	94
42) Vinyl Acetate	5.90	43	1088237	97.343	ug/l	96
43) Ethyl Acetate	6.93	43	79263	19.854	ug/l #	92
44) Isopropyl Acetate	8.17	43	172866	19.578	ug/l	98
45) 1,4-Dioxane	9.20	88	21768	390.194	ug/l #	85
46) Methyl methacrylate	9.20	41	78071	19.834	ug/l	82
48) t-1,3-Dichloropropene	10.38	75	163087	18.090	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	179077	18.429	ug/l #	90
50) 1,1,2-Trichloroethane	10.56	97	105356	18.708	ug/l	97
51) Ethyl methacrylate	10.43	69	129276	18.049	ug/l	86
52) 1,3-Dichloropropane	10.71	76	166847	18.603	ug/l	97
53) Dibromochloromethane	10.90	129	129943	17.567	ug/l	96
54) 1,2-Dibromoethane	11.01	107	104615	17.707	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	279649	94.247	ug/l	95
56) Bromoform	12.13	173	85920	16.202	ug/l #	91
58) 4-Methyl-2-Pentanone	9.99	43	439799	103.230	ug/l #	94
59) 2-Hexanone	10.75	43	286819	99.463	ug/l	96
61) Tetrachloroethene	10.63	164	113926	18.637	ug/l	97
62) Toluene	10.16	91	506661	19.276	ug/l	98
64) Chlorobenzene	11.43	112	318794	18.896	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.51	131	129359	18.839	ug/l	99
66) Ethyl Benzene	11.51	91	547528	18.517	ug/l	98
67) m/p-Xylenes	11.62	106	432048	36.533	ug/l	99
68) o-Xylene	11.95	106	212340	18.204	ug/l	95
69) Styrene	11.96	104	322966	17.353	ug/l	99
70) Isopropylbenzene	12.25	105	570396	18.199	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	126299	19.295	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	102525m	19.635	ug/l	
73) Bromobenzene	12.53	156	130823	17.354	ug/l	90
74) n-propylbenzene	12.59	91	609116	17.654	ug/l	97
75) 2-Chlorotoluene	12.68	91	353968	17.558	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	467438	17.576	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34480	17.711	ug/l	94
78) 4-Chlorotoluene	12.77	91	347555	17.202	ug/l	96
79) tert-butylbenzene	12.99	119	423421	17.701	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	462871	17.497	ug/l	98
81) sec-Butylbenzene	13.17	105	556717	17.398	ug/l	98
82) p-Isopropyltoluene	13.29	119	481123	17.067	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	221654	16.442	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	205700	15.968	ug/l	99
85) n-Butylbenzene	13.62	91	365246	16.392	ug/l	97
86) Hexachloroethane	13.87	117	99950	17.920	ug/l	85
87) 1,2-Dichlorobenzene	13.65	146	223334	16.906	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19633	18.216	ug/l #	83
89) 1,2,4-Trichlorobenzene	14.91	180	82124	17.047	ug/l	96
90) Hexachlorobutadiene	15.01	225	69321	17.245	ug/l	97
91) Naphthalene	15.13	128	173098	13.877	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	88678	15.561	ug/l	94

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

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