

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN100918\
 Data File : VN051748.D
 Acq On : 9 Oct 2018 13:42
 Operator : MD\SY
 Sample : VN1009WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 4:53:25 PM

Quant Time: Oct 17 16:50:17 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	116393	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	682159	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	611173	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	239607	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	12.40	95	269165	28.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.20%
63) Toluene-d8	10.09	98	817051	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	164055	24.163	ug/l 97
3) Chloromethane	2.06	50	141480	21.227	ug/l 96
4) Vinyl Chloride	2.18	62	219359	21.638	ug/l 98
5) Bromomethane	2.57	94	172351	21.871	ug/l 88
6) Chloroethane	2.70	64	153282	22.558	ug/l 98
7) Trichlorofluoromethane	3.01	101	262942	22.648	ug/l 97
8) Diethyl Ether	3.41	74	72433	23.357	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136432	22.915	ug/l # 36
10) 1,1-Dichloroethene	3.74	96	123179	22.671	ug/l 90
11) Methyl Iodide	3.95	142	170212	24.402	ug/l 96
12) Methyl Acetate	4.33	43	100218	23.374	ug/l 95
13) Acrolein	3.61	56	32382	102.734	ug/l 94
14) Acrylonitrile	4.99	53	196702	112.364	ug/l # 60
15) Acetone	3.82	58	46434	110.991	ug/l 82
16) Carbon Disulfide	4.05	76	318528	20.496	ug/l 99
17) Allyl chloride	4.33	41	167172	21.096	ug/l 78
18) Methylene Chloride	4.55	84	143388	23.392	ug/l 92
19) trans-1,2-Dichloroethene	5.04	96	137284	22.352	ug/l 87
20) Diisopropyl ether	5.96	45	374209	21.025	ug/l # 87
21) 1,1-Dichloroethane	5.85	63	243397	21.912	ug/l # 95
22) cis-1,2-Dichloroethene	6.83	96	162488	22.486	ug/l 87
23) tert-Butyl Alcohol	4.80	59	56470	124.883	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	392291m	22.487	ug/l
25) Chloroform	7.37	83	281893	22.444	ug/l 95
26) Cyclohexane	7.66	56	204853	21.703	ug/l # 77
29) 1,1-Dichloropropene	7.79	75	198463	21.890	ug/l 97
30) 2-Butanone	6.84	43	230003	104.165	ug/l # 91
31) 2,2-Dichloropropane	6.83	77	235478	20.848	ug/l # 79
32) 1,1,1-Trichloroethane	7.57	97	265631	21.787	ug/l 96
33) Carbon Tetrachloride	7.77	117	241078	21.810	ug/l 91
34) Benzene	8.04	78	596729	21.758	ug/l # 69
35) Methacrylonitrile	7.17	41	43392	17.807	ug/l 75
36) 1,2-Dichloroethane	8.13	62	201577	21.960	ug/l 98
37) Trichloroethene	8.84	130	169843	22.271	ug/l 99
38) Methylcyclohexane	9.08	83	251335	21.891	ug/l 82
39) 1,2-Dichloropropane	9.12	63	147290	21.926	ug/l 98
40) Dibromomethane	9.21	93	103849	22.346	ug/l 97

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41) Bromodichloromethane	9.40	83	223660	21.566	ug/l	93
42) Vinyl Acetate	5.90	43	1369275	105.244	ug/l #	93
43) Ethyl Acetate	6.93	43	109934	23.661	ug/l	97
44) Isopropyl Acetate	8.17	43	261704	25.468	ug/l #	90
45) 1,4-Dioxane	9.20	88	29626	456.309	ug/l #	81
46) Methyl methacrylate	9.20	41	104026	22.708	ug/l	83
47) n-amyl Acetate	12.07	43	187032m	21.440	ug/l	
48) t-1,3-Dichloropropene	10.38	75	217144	20.696	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	234261	20.716	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	146705	22.384	ug/l	95
51) Ethyl methacrylate	10.43	69	179836	21.575	ug/l	87
52) 1,3-Dichloropropane	10.71	76	228174	21.861	ug/l	99
53) Dibromochloromethane	10.90	129	179189	20.815	ug/l	96
54) 1,2-Dibromoethane	11.01	107	149661	21.767	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	318445	92.218	ug/l #	95
56) Bromoform	12.13	173	122373	19.829	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	569218	113.435	ug/l #	92
59) 2-Hexanone	10.75	43	364372	107.278	ug/l	93
61) Tetrachloroethene	10.63	164	163965	22.772	ug/l	98
62) Toluene	10.16	91	694510	22.433	ug/l	99
64) Chlorobenzene	11.44	112	451886	22.741	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	180102	22.269	ug/l	99
66) Ethyl Benzene	11.51	91	778063	22.341	ug/l	98
67) m/p-Xylenes	11.62	106	626247	44.958	ug/l	99
68) o-Xylene	11.95	106	311849	22.699	ug/l	91
69) Styrene	11.96	104	486575	22.197	ug/l	98
70) Isopropylbenzene	12.25	105	842442	22.820	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	179241	23.249	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	143037m	23.258	ug/l	
73) Bromobenzene	12.53	156	196890	22.175	ug/l	88
74) n-propylbenzene	12.59	91	912530	22.454	ug/l	96
75) 2-Chlorotoluene	12.67	91	531297	22.374	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	710330	22.676	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	47287	20.622	ug/l	94
78) 4-Chlorotoluene	12.77	91	529488	22.250	ug/l	94
79) tert-butylbenzene	12.99	119	646687	22.953	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	720505	23.124	ug/l	99
81) sec-Butylbenzene	13.17	105	864973	22.950	ug/l	98
82) p-Isopropyltoluene	13.29	119	770397	23.202	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	362762	22.846	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	338570	22.313	ug/l	97
85) n-Butylbenzene	13.61	91	581591	22.160	ug/l	94
86) Hexachloroethane	13.88	117	136176	20.728	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	357331	22.965	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29276	23.062	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.91	180	149374	22.607	ug/l	98
90) Hexachlorobutadiene	15.01	225	108903	23.001	ug/l	98
91) Naphthalene	15.13	128	314466	21.404	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	153263	22.833	ug/l	93

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

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