

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053221.D
 Acq On : 28 Dec 2018 13:09
 Operator : MD\SY
 Sample : VN1228WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:48:53 AM

Quant Time: Dec 28 22:44:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	161074	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	936430	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	830058	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	316247	30.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.03%
60) 4-Bromofluorobenzene	12.40	95	382003	30.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.27%
63) Toluene-d8	10.09	98	1123199	30.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	213760	19.918 ug/l	99
3) Chloromethane	2.06	50	254578	20.211 ug/l	100
4) Vinyl Chloride	2.19	62	244419	19.719 ug/l	96
5) Bromomethane	2.58	94	156904	19.634 ug/l	100
6) Chloroethane	2.71	64	143126	20.046 ug/l	98
7) Trichlorofluoromethane	3.03	101	299569	19.571 ug/l	99
8) Diethyl Ether	3.41	74	114574	20.147 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	183914	19.123 ug/l	96
10) 1,1-Dichloroethene	3.74	96	183229	19.523 ug/l	97
11) Methyl Iodide	3.96	142	266854	19.415 ug/l	99
12) Methyl Acetate	4.33	43	140295	19.179 ug/l	98
13) Acrolein	3.61	56	84220	96.430 ug/l	99
14) Acrylonitrile	4.99	53	332947	101.739 ug/l	98
15) Acetone	3.82	58	74384	106.949 ug/l	93
16) Carbon Disulfide	4.06	76	556381	19.270 ug/l	100
17) Allyl chloride	4.33	41	281512	19.067 ug/l	98
18) Methylene Chloride	4.55	84	214137	19.936 ug/l	93
19) trans-1,2-Dichloroethene	5.05	96	194261	19.585 ug/l	94
20) Diisopropyl ether	5.95	45	630101	19.927 ug/l	96
21) 1,1-Dichloroethane	5.85	63	363849	19.763 ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	222434	19.908 ug/l	97
23) tert-Butyl Alcohol	4.78	59	55879	101.289 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	494480	20.205 ug/l	97
25) Chloroform	7.37	83	348457	19.691 ug/l	98
26) Cyclohexane	7.66	56	328331	19.121 ug/l #	97
29) 1,1-Dichloropropene	7.80	75	275221	19.403 ug/l	99
30) 2-Butanone	6.83	43	359931	101.709 ug/l	97
31) 2,2-Dichloropropane	6.83	77	263907	19.219 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	292833	19.704 ug/l	97
33) Carbon Tetrachloride	7.78	117	253458	19.483 ug/l	98
34) Benzene	8.04	78	837522	19.647 ug/l	98
35) Methacrylonitrile	7.17	41	93593	20.496 ug/l	97
36) 1,2-Dichloroethane	8.13	62	246888	19.950 ug/l	99
37) Trichloroethene	8.84	130	222560	19.272 ug/l	98
38) Methylcyclohexane	9.08	83	309181	18.636 ug/l	98
39) 1,2-Dichloropropane	9.12	63	222365	19.976 ug/l	97
40) Dibromomethane	9.21	93	127786	20.299 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	262533	19.419	ug/l	99
42) Vinyl Acetate	5.90	43	1986250	102.879	ug/l	97
43) Ethyl Acetate	6.93	43	160984	20.370	ug/l #	69
44) Isopropyl Acetate	8.16	43	303173	20.594	ug/l	98
45) 1,4-Dioxane	9.20	88	37398	415.424	ug/l	93
46) Methyl methacrylate	9.20	41	148673	19.990	ug/l	94
47) n-amyl Acetate	12.07	43	259103	20.041	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	265207	19.220	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	313261	19.280	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	181690	20.129	ug/l	99
51) Ethyl methacrylate	10.43	69	234066	19.897	ug/l	95
52) 1,3-Dichloropropane	10.71	76	309299	19.892	ug/l	100
53) Dibromochloromethane	10.90	129	197119	19.444	ug/l	98
54) 1,2-Dibromoethane	11.01	107	178385	19.590	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	658449	97.531	ug/l	99
56) Bromoform	12.13	173	133028	19.182	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	827110	104.570	ug/l	98
59) 2-Hexanone	10.75	43	552618	101.203	ug/l	97
61) Tetrachloroethene	10.63	164	240519	19.608	ug/l	96
62) Toluene	10.16	91	891619	19.586	ug/l	100
64) Chlorobenzene	11.43	112	553107	19.362	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	195897	19.549	ug/l	98
66) Ethyl Benzene	11.51	91	959621	19.439	ug/l	98
67) m/p-Xylenes	11.62	106	732046	39.208	ug/l	97
68) o-Xylene	11.95	106	358703	19.826	ug/l	97
69) Styrene	11.96	104	577040	19.540	ug/l	99
70) Isopropylbenzene	12.25	105	934224	19.625	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	208849	20.842	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	178146m	20.301	ug/l	
73) Bromobenzene	12.53	156	239945	19.609	ug/l	95
74) n-propylbenzene	12.59	91	1043260	19.361	ug/l	99
75) 2-Chlorotoluene	12.67	91	627419	19.660	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	749257	19.842	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	56451	18.309	ug/l	97
78) 4-Chlorotoluene	12.77	91	633774	19.509	ug/l	100
79) tert-butylbenzene	12.99	119	650370	19.749	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	750617	19.833	ug/l	99
81) sec-Butylbenzene	13.17	105	850274	19.498	ug/l	100
82) p-Isopropyltoluene	13.29	119	728519	19.333	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	410316	19.694	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	395916	19.495	ug/l	98
85) n-Butylbenzene	13.62	91	573232	18.706	ug/l	99
86) Hexachloroethane	13.88	117	111047	18.457	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	392378	20.268	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29264	20.421	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	176175	18.750	ug/l	99
90) Hexachlorobutadiene	15.01	225	114012	20.046	ug/l	99
91) Naphthalene	15.13	128	373691	18.745	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	158816	18.945	ug/l	97

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

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