

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052745.D
 Acq On : 10 Dec 2018 11:37
 Operator : MD\SY
 Sample : VN1210WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1210WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:45:39 PM

Quant Time: Dec 11 01:03:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	170287	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1000061	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	882484	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	340575	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	409633	30.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.20%
63) Toluene-d8	10.09	98	1188757	29.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	184024	18.975 ug/l	99
3) Chloromethane	2.06	50	232354	18.065 ug/l	100
4) Vinyl Chloride	2.19	62	246604	18.996 ug/l	97
5) Bromomethane	2.58	94	133501	18.036 ug/l	98
6) Chloroethane	2.71	64	151963	19.684 ug/l	97
7) Trichlorofluoromethane	3.03	101	319689	19.954 ug/l	99
8) Diethyl Ether	3.41	74	120996	20.453 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	205761	20.259 ug/l	97
10) 1,1-Dichloroethene	3.74	96	191106	20.013 ug/l	97
11) Methyl Iodide	3.96	142	211215	15.930 ug/l	99
12) Methyl Acetate	4.33	43	170422	21.004 ug/l	99
13) Acrolein	3.61	56	15298	16.051 ug/l	95
14) Acrylonitrile	4.99	53	351906	101.792 ug/l	99
15) Acetone	3.82	58	80713	90.151 ug/l	97
16) Carbon Disulfide	4.06	76	560818	18.550 ug/l	100
17) Allyl chloride	4.33	41	304369	18.276 ug/l	98
18) Methylene Chloride	4.55	84	221292	20.014 ug/l	95
19) trans-1,2-Dichloroethene	5.05	96	207197	20.162 ug/l	96
20) Diisopropyl ether	5.95	45	688880	19.684 ug/l	96
21) 1,1-Dichloroethane	5.85	63	397674	19.937 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	241308	20.488 ug/l	98
23) tert-Butyl Alcohol	4.77	59	61132	118.869 ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	530428	21.173 ug/l	97
25) Chloroform	7.37	83	392737	20.409 ug/l	100
26) Cyclohexane	7.65	56	366694	19.491 ug/l #	100
29) 1,1-Dichloropropene	7.79	75	305456	20.001 ug/l	99
30) 2-Butanone	6.83	43	400898	98.102 ug/l	98
31) 2,2-Dichloropropane	6.82	77	292792	20.825 ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	323294	20.345 ug/l	97
33) Carbon Tetrachloride	7.77	117	283410	20.383 ug/l	98
34) Benzene	8.04	78	904201	19.692 ug/l	98
35) Methacrylonitrile	7.17	41	88636	17.482 ug/l	97
36) 1,2-Dichloroethane	8.12	62	281037	20.198 ug/l	100
37) Trichloroethene	8.84	130	248917	21.379 ug/l	96
38) Methylcyclohexane	9.08	83	375028	19.837 ug/l	97
39) 1,2-Dichloropropane	9.12	63	244632	19.876 ug/l	98
40) Dibromomethane	9.21	93	140055	21.057 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	295430	20.104	ug/l	100
42) Vinyl Acetate	5.90	43	2033116	91.952	ug/l	98
43) Ethyl Acetate	6.92	43	167172	19.238	ug/l #	69
44) Isopropyl Acetate	8.16	43	323014	21.195	ug/l #	79
45) 1,4-Dioxane	9.20	88	37717	452.396	ug/l	90
46) Methyl methacrylate	9.20	41	163581	20.673	ug/l	99
47) n-amyl Acetate	12.07	43	280172	22.173	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	290822	20.411	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	348513	20.076	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	197939	20.995	ug/l	100
51) Ethyl methacrylate	10.43	69	249523	21.073	ug/l	96
52) 1,3-Dichloropropane	10.71	76	339168	20.211	ug/l	100
53) Dibromochloromethane	10.90	129	214562	20.671	ug/l	98
54) 1,2-Dibromoethane	11.00	107	193387	20.991	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	722515	104.241	ug/l	98
56) Bromoform	12.13	173	139941	20.626	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	896592	104.798	ug/l	98
59) 2-Hexanone	10.75	43	620786	106.220	ug/l	98
61) Tetrachloroethene	10.63	164	270691	24.905	ug/l	97
62) Toluene	10.16	91	981621	20.178	ug/l	99
64) Chlorobenzene	11.43	112	612184	20.617	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	217370	21.090	ug/l	99
66) Ethyl Benzene	11.51	91	1071411	20.434	ug/l	100
67) m/p-Xylenes	11.62	106	808102	41.369	ug/l	99
68) o-Xylene	11.95	106	396782	20.928	ug/l	98
69) Styrene	11.96	104	637387	20.828	ug/l	99
70) Isopropylbenzene	12.25	105	1049514	20.805	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	219192	19.975	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	191952m	20.377	ug/l	
73) Bromobenzene	12.53	156	266378	21.833	ug/l	93
74) n-propylbenzene	12.59	91	1219925	20.755	ug/l	98
75) 2-Chlorotoluene	12.68	91	711364	20.851	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	858407	21.068	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	60542	20.345	ug/l	97
78) 4-Chlorotoluene	12.77	91	726696	21.330	ug/l	99
79) tert-butylbenzene	12.99	119	759802	21.412	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	866195	21.246	ug/l	100
81) sec-Butylbenzene	13.17	105	1038287	21.007	ug/l	100
82) p-Isopropyltoluene	13.29	119	901725	21.426	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	467229	21.774	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	458338	22.108	ug/l	99
85) n-Butylbenzene	13.62	91	764573	21.149	ug/l	99
86) Hexachloroethane	13.88	117	142986	20.052	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	449749	22.025	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	34417	22.391	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	256312	25.478	ug/l	99
90) Hexachlorobutadiene	15.01	225	147668	22.376	ug/l	100
91) Naphthalene	15.13	128	525435	25.863	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	239773	25.862	ug/l	97

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

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