

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
 Data File : VN052721.D
 Acq On : 7 Dec 2018 12:45
 Operator : MD\SY
 Sample : VN1207WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:50:36 PM

Quant Time: Dec 07 22:25:08 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	7.20	128	146790	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	848786	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	746897	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	301156	30.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.37%
60) 4-Bromofluorobenzene	12.40	95	344576	30.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.57%
63) Toluene-d8	10.09	98	1032942	29.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.43%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	162384	19.424 ug/l	99
3) Chloromethane	2.06	50	217546	19.621 ug/l	99
4) Vinyl Chloride	2.19	62	223598	19.981 ug/l	98
5) Bromomethane	2.57	94	133689	20.952 ug/l	99
6) Chloroethane	2.71	64	132238	19.871 ug/l	98
7) Trichlorofluoromethane	3.02	101	281097	20.354 ug/l	99
8) Diethyl Ether	3.41	74	106635	20.911 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	177417	20.265 ug/l	96
10) 1,1-Dichloroethene	3.74	96	165896	20.153 ug/l	98
11) Methyl Iodide	3.96	142	241594	21.139 ug/l	97
12) Methyl Acetate	4.33	43	157501	22.519 ug/l	99
13) Acrolein	3.61	56	108094	131.569 ug/l	99
14) Acrylonitrile	4.99	53	320721	107.621 ug/l	98
15) Acetone	3.82	58	86583	112.187 ug/l	100
16) Carbon Disulfide	4.06	76	491873	18.874 ug/l	99
17) Allyl chloride	4.33	41	286690	19.970 ug/l	98
18) Methylene Chloride	4.55	84	197608	20.733 ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	181471	20.485 ug/l	97
20) Diisopropyl ether	5.95	45	615878	20.415 ug/l	99
21) 1,1-Dichloroethane	5.85	63	355642	20.683 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	212061	20.887 ug/l	99
23) tert-Butyl Alcohol	4.78	59	51499	116.168 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	461988	21.393 ug/l	98
25) Chloroform	7.37	83	344392	20.761 ug/l	100
26) Cyclohexane	7.65	56	310708	19.159 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	258980	19.980 ug/l	99
30) 2-Butanone	6.84	43	375920	108.385 ug/l	100
31) 2,2-Dichloropropane	6.83	77	248975	20.865 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	279382	20.715 ug/l	98
33) Carbon Tetrachloride	7.77	117	244623	20.729 ug/l	99
34) Benzene	8.04	78	800057	20.530 ug/l	99
35) Methacrylonitrile	7.17	41	74499	17.312 ug/l	97
36) 1,2-Dichloroethane	8.13	62	249988	21.169 ug/l	100
37) Trichloroethene	8.84	130	204302	20.674 ug/l	97
38) Methylcyclohexane	9.08	83	310764	19.368 ug/l	99
39) 1,2-Dichloropropane	9.12	63	212728	20.364 ug/l	100
40) Dibromomethane	9.21	93	124596	22.072 ug/l	98

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

41) Bromodichloromethane	9.40	83	257035	20.609	ug/l	98
42) Vinyl Acetate	5.90	43	1928368	102.758	ug/l	99
43) Ethyl Acetate	6.84	43	375920	50.971	ug/l	100
44) Isopropyl Acetate	8.17	43	283245	21.898	ug/l #	80
45) 1,4-Dioxane	9.20	88	32955	465.727	ug/l	94
46) Methyl methacrylate	9.20	41	143211	21.324	ug/l	98
47) n-amyl Acetate	12.07	43	222029	20.703	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	252470	20.877	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	299736	20.344	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	177615	22.197	ug/l	98
51) Ethyl methacrylate	10.43	69	214686	21.362	ug/l	96
52) 1,3-Dichloropropane	10.71	76	304523	21.380	ug/l	98
53) Dibromochloromethane	10.90	129	186420	21.161	ug/l	97
54) 1,2-Dibromoethane	11.01	107	168625	21.566	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	624090	106.088	ug/l	100
56) Bromoform	12.13	173	125889	21.862	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	812532	112.213	ug/l	99
59) 2-Hexanone	10.75	43	545579	110.298	ug/l	99
61) Tetrachloroethene	10.63	164	204619	22.244	ug/l	98
62) Toluene	10.16	91	849540	20.633	ug/l	100
64) Chlorobenzene	11.44	112	526612	20.954	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	183465	21.031	ug/l	98
66) Ethyl Benzene	11.51	91	903206	20.353	ug/l	97
67) m/p-Xylenes	11.62	106	685186	41.444	ug/l	100
68) o-Xylene	11.95	106	337663	21.043	ug/l	99
69) Styrene	11.96	104	536017	20.695	ug/l	100
70) Isopropylbenzene	12.25	105	895639	20.978	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	205416	22.118	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	174281m	21.860	ug/l	
73) Bromobenzene	12.53	156	222732	21.570	ug/l	95
74) n-propylbenzene	12.59	91	1015207	20.408	ug/l	99
75) 2-Chlorotoluene	12.68	91	600379	20.793	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	726074	21.055	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	53012	21.049	ug/l	95
78) 4-Chlorotoluene	12.77	91	588145	20.397	ug/l	99
79) tert-butylbenzene	12.99	119	643056	21.412	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	729519	21.142	ug/l	100
81) sec-Butylbenzene	13.17	105	869210	20.779	ug/l	99
82) p-Isopropyltoluene	13.29	119	734643	20.624	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	380838	20.970	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	362289	20.647	ug/l	99
85) n-Butylbenzene	13.62	91	586987	19.185	ug/l	100
86) Hexachloroethane	13.88	117	121090	20.064	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	373375	21.605	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29863	22.955	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	166558	19.561	ug/l	99
90) Hexachlorobutadiene	15.01	225	120874	21.641	ug/l	98
91) Naphthalene	15.13	128	338579	19.691	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	163997	20.900	ug/l	97

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

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