

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052204.D
 Acq On : 7 Nov 2018 13:10
 Operator : MD\SY
 Sample : VN1107WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:13:56 AM

Quant Time: Nov 07 13:51:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	62027	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	369551	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	325574	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	134900	29.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.67%
60) 4-Bromofluorobenzene	12.40	95	152532	29.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.63%
63) Toluene-d8	10.09	98	461771	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	87474	21.115	ug/l 96
3) Chloromethane	2.06	50	97102	20.509	ug/l 96
4) Vinyl Chloride	2.19	62	93474	20.125	ug/l 97
5) Bromomethane	2.58	94	62172	19.611	ug/l 98
6) Chloroethane	2.71	64	56799	19.125	ug/l 99
7) Trichlorofluoromethane	3.03	101	133634	21.247	ug/l 99
8) Diethyl Ether	3.41	74	44762	21.078	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78119	21.251	ug/l 97
10) 1,1-Dichloroethene	3.75	96	71670	20.894	ug/l 89
11) Methyl Iodide	3.96	142	99297	20.022	ug/l 99
12) Methyl Acetate	4.33	43	56896	19.706	ug/l 97
13) Acrolein	3.61	56	29498	96.324	ug/l 98
14) Acrylonitrile	5.00	53	127205	99.351	ug/l 100
15) Acetone	3.82	58	31528	104.188	ug/l 97
16) Carbon Disulfide	4.06	76	190777	18.836	ug/l 98
17) Allyl chloride	4.33	41	115931	19.906	ug/l 93
18) Methylene Chloride	4.56	84	84709	20.008	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	73853	19.651	ug/l 96
20) Diisopropyl ether	5.96	45	255839	20.215	ug/l 98
21) 1,1-Dichloroethane	5.85	63	146178	19.765	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	88642	20.198	ug/l 98
23) tert-Butyl Alcohol	4.77	59	20847m	104.502	ug/l
24) Methyl tert-Butyl Ether	5.05	73	194431m	19.994	ug/l
25) Chloroform	7.37	83	146713	19.756	ug/l 89
26) Cyclohexane	7.66	56	131327	19.808	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	111983	19.086	ug/l 100
30) 2-Butanone	6.83	43	152085	97.336	ug/l # 92
31) 2,2-Dichloropropane	6.83	77	107196	17.737	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	124576	18.977	ug/l 97
33) Carbon Tetrachloride	7.78	117	109283	18.719	ug/l 98
34) Benzene	8.04	78	329550	19.183	ug/l 99
35) Methacrylonitrile	7.20	41	53373m	24.904	ug/l
36) 1,2-Dichloroethane	8.13	62	106378	18.520	ug/l 99
37) Trichloroethene	8.83	130	85811	19.957	ug/l 88
38) Methylcyclohexane	9.08	83	130290	18.204	ug/l 100
39) 1,2-Dichloropropane	9.12	63	89582	19.589	ug/l 94
40) Dibromomethane	9.21	93	55007	19.514	ug/l 96

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41) Bromodichloromethane	9.40	83	107361	18.615	ug/l	98
42) Vinyl Acetate	5.90	43	866661	94.747	ug/l	99
43) Ethyl Acetate	7.21	43	19118	2.435	ug/l	99
44) Isopropyl Acetate	8.17	43	126442	19.449	ug/l	92
45) 1,4-Dioxane	9.20	88	11638	392.407	ug/l #	77
46) Methyl methacrylate	9.20	41	60948	18.833	ug/l	98
47) n-amyl Acetate	12.07	43	114937	19.504	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	101253	17.680	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	123346	18.660	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	72374	19.417	ug/l	95
51) Ethyl methacrylate	10.43	69	93830	19.478	ug/l	97
52) 1,3-Dichloropropane	10.71	76	124329	19.149	ug/l	99
53) Dibromochloromethane	10.90	129	74656	18.553	ug/l	98
54) 1,2-Dibromoethane	11.00	107	74858	19.805	ug/l	95
55) 2-Chloroethyl vinyl ether	9.70	63	258976	98.174	ug/l	99
56) Bromoform	12.13	173	43413	18.679	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	342425	98.153	ug/l	99
59) 2-Hexanone	10.75	43	228028	94.929	ug/l	99
61) Tetrachloroethene	10.63	164	77406	21.861	ug/l	92
62) Toluene	10.16	91	365837	20.017	ug/l	100
64) Chlorobenzene	11.43	112	229905	19.848	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	79330	20.122	ug/l	99
66) Ethyl Benzene	11.51	91	391413	19.827	ug/l	99
67) m/p-Xylenes	11.62	106	298239	39.239	ug/l	97
68) o-Xylene	11.95	106	143710	19.832	ug/l	96
69) Styrene	11.96	104	228808	19.595	ug/l	97
70) Isopropylbenzene	12.25	105	383767	19.728	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	86776	20.281	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	71088m	18.896	ug/l	
73) Bromobenzene	12.53	156	87396	20.276	ug/l	92
74) n-propylbenzene	12.59	91	443903	19.596	ug/l	99
75) 2-Chlorotoluene	12.67	91	257829	19.742	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	311215	19.952	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	19756	16.783	ug/l	94
78) 4-Chlorotoluene	12.77	91	258706	19.671	ug/l	98
79) tert-butylbenzene	12.99	119	270326	19.895	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	313389	20.167	ug/l	98
81) sec-Butylbenzene	13.17	105	377247	20.174	ug/l	100
82) p-Isopropyltoluene	13.29	119	315653	19.975	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	160564	21.060	ug/l	94
84) 1,4-Dichlorobenzene	13.36	146	156627	20.752	ug/l	96
85) n-Butylbenzene	13.61	91	263512	19.266	ug/l	98
86) Hexachloroethane	13.87	117	49314	18.492	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	152796	21.093	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11071	18.923	ug/l #	86
89) 1,2,4-Trichlorobenzene	14.91	180	63412	21.565	ug/l	97
90) Hexachlorobutadiene	15.01	225	35818	22.264	ug/l	98
91) Naphthalene	15.13	128	144935	21.384	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	56197	21.928	ug/l	95

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

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