

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051980.D
 Acq On : 24 Oct 2018 11:47
 Operator : MD\SY
 Sample : VN1024WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1024WBS02

Manual Integrations
 APPROVED

apatel
 10/25/2018 9:23:48 AM

Quant Time: Oct 24 15:06:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	163458	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	923013m	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	847702	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	286939	28.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.17%
60) 4-Bromofluorobenzene	12.40	95	368094	30.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.37%
63) Toluene-d8	10.09	98	1072606	29.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	135974	21.412	ug/l 99
3) Chloromethane	2.06	50	121463	18.098	ug/l 99
4) Vinyl Chloride	2.19	62	153568	15.322	ug/l 98
5) Bromomethane	2.57	94	160809	18.159	ug/l 87
6) Chloroethane	2.71	64	111352	15.416	ug/l 98
7) Trichlorofluoromethane	3.03	101	287104	20.092	ug/l 94
8) Diethyl Ether	3.41	74	84241	20.251	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	3.77	101	176008	21.629	ug/l # 36
10) 1,1-Dichloroethene	3.74	96	157299	20.901	ug/l 83
11) Methyl Iodide	3.96	142	255975	23.398	ug/l 92
12) Methyl Acetate	4.32	43	95943	20.530	ug/l # 84
13) Acrolein	3.61	56	9247m	30.032	ug/l
14) Acrylonitrile	4.99	53	203080	97.230	ug/l # 60
15) Acetone	3.81	58	50703	98.201	ug/l 95
16) Carbon Disulfide	4.06	76	353788	17.900	ug/l 100
17) Allyl chloride	4.33	41	154552	17.298	ug/l 77
18) Methylene Chloride	4.56	84	176420	20.966	ug/l # 86
19) trans-1,2-Dichloroethene	5.05	96	174376	20.292	ug/l # 78
20) Diisopropyl ether	5.95	45	376590	18.925	ug/l # 85
21) 1,1-Dichloroethane	5.85	63	272547	19.602	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	205307	20.341	ug/l # 80
23) tert-Butyl Alcohol	4.78	59	43075	78.306	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	416701	19.218	ug/l # 93
25) Chloroform	7.37	83	336489	20.399	ug/l 96
26) Cyclohexane	7.65	56	220832	18.734	ug/l # 68
29) 1,1-Dichloropropene	7.79	75	231482	19.456	ug/l 93
30) 2-Butanone	6.84	43	228240	91.782	ug/l # 87
31) 2,2-Dichloropropane	6.83	77	248965	17.788	ug/l # 76
32) 1,1,1-Trichloroethane	7.57	97	304787	19.322	ug/l 95
33) Carbon Tetrachloride	7.77	117	268675	18.826	ug/l 93
34) Benzene	8.04	78	697787	19.827	ug/l # 65
35) Methacrylonitrile	7.17	41	50962	15.598	ug/l 77
36) 1,2-Dichloroethane	8.13	62	223502	19.820	ug/l 95
37) Trichloroethene	8.84	130	223461	20.454	ug/l 94
38) Methylcyclohexane	9.08	83	292963	19.198	ug/l 78
39) 1,2-Dichloropropane	9.12	63	164514	19.849	ug/l 94
40) Dibromomethane	9.21	93	127420	20.714	ug/l 94

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

41) Bromodichloromethane	9.40	83	241518	19.009	ug/l	94
42) Vinyl Acetate	5.90	43	1265567	90.405	ug/l #	88
43) Ethyl Acetate	6.93	43	92932m	17.211	ug/l	
44) Isopropyl Acetate	8.16	43	196469	18.216	ug/l	92
45) 1,4-Dioxane	9.20	88	30924	357.087	ug/l #	75
46) Methyl methacrylate	9.20	41	94125	18.921	ug/l	73
47) n-amyl Acetate	12.07	43	179962m	19.932	ug/l	
48) t-1,3-Dichloropropene	10.38	75	222152	17.930	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	254128	18.606	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	174538	20.536	ug/l	95
51) Ethyl methacrylate	10.43	69	186196	19.136	ug/l	83
52) 1,3-Dichloropropane	10.71	76	262773	20.033	ug/l	98
53) Dibromochloromethane	10.90	129	195693	18.612	ug/l	94
54) 1,2-Dibromoethane	11.00	107	181240	20.316	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	488382	117.410	ug/l #	91
56) Bromoform	12.13	173	116460	16.795	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	536610	94.594	ug/l #	86
59) 2-Hexanone	10.75	43	364513	95.246	ug/l #	89
61) Tetrachloroethene	10.63	164	208521	19.235	ug/l	95
62) Toluene	10.16	91	842891	20.015	ug/l	97
64) Chlorobenzene	11.43	112	572289	20.750	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	203478	19.221	ug/l	99
66) Ethyl Benzene	11.51	91	928878	19.958	ug/l	99
67) m/p-Xylenes	11.62	106	749728	39.732	ug/l	96
68) o-Xylene	11.95	106	373769	20.093	ug/l	85
69) Styrene	11.96	104	590142	20.677	ug/l	95
70) Isopropylbenzene	12.25	105	993336	20.025	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	196413	20.050	ug/l	94
72) 1,2,3-Trichloropropane	12.55	75	161214m	20.919	ug/l	
73) Bromobenzene	12.53	156	266619	21.699	ug/l	79
74) n-propylbenzene	12.59	91	1082100	20.280	ug/l	94
75) 2-Chlorotoluene	12.67	91	624423	19.961	ug/l	90
76) 1,3,5-Trimethylbenzene	12.73	105	817947	19.940	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	39904	15.656	ug/l	97
78) 4-Chlorotoluene	12.77	91	647936	21.081	ug/l	90
79) tert-butylbenzene	12.99	119	763256	20.233	ug/l	92
80) 1,2,4-Trimethylbenzene	13.04	105	828355	20.205	ug/l	96
81) sec-Butylbenzene	13.17	105	1006948	20.405	ug/l	96
82) p-Isopropyltoluene	13.29	119	910190	20.611	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	483425	22.297	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	476997	23.370	ug/l	98
85) n-Butylbenzene	13.62	91	715846	21.497	ug/l	95
86) Hexachloroethane	13.87	117	128633	16.894	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	469490	22.367	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26589	18.175	ug/l #	68
89) 1,2,4-Trichlorobenzene	14.91	180	244870	25.403	ug/l	97
90) Hexachlorobutadiene	15.01	225	137826	20.376	ug/l	96
91) Naphthalene	15.13	128	473838	25.038	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	213691	22.377	ug/l	93

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

