

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056420.D
 Acq On : 21 Jun 2019 12:55
 Operator : JC/SP
 Sample : VN0621WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Quant Time: Jun 24 09:36:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	63957	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	344611	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	303884	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	128704	32.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.03%
60) 4-Bromofluorobenzene	12.40	95	133017	29.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.43%
63) Toluene-d8	10.09	98	424089	30.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	78227	21.746	ug/l 100
3) Chloromethane	2.06	50	90891	21.626	ug/l 100
4) Vinyl Chloride	2.18	62	90433	21.104	ug/l 99
5) Bromomethane	2.54	94	49998m	18.565	ug/l
6) Chloroethane	2.69	64	50948	21.020	ug/l 96
7) Trichlorofluoromethane	3.00	101	113418	21.392	ug/l 99
8) Diethyl Ether	3.41	74	46420	20.644	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70124	21.426	ug/l 96
10) 1,1-Dichloroethene	3.73	96	67337	20.170	ug/l 98
11) Methyl Iodide	3.95	142	96040	18.233	ug/l 99
12) Methyl Acetate	4.33	43	101129	25.208	ug/l 97
13) Acrolein	3.61	56	19737m	100.936	ug/l
14) Acrylonitrile	4.99	53	200187	111.894	ug/l 99
15) Acetone	3.82	58	59154	100.980	ug/l 93
16) Carbon Disulfide	4.05	76	145026	18.257	ug/l 100
17) Allyl chloride	4.32	41	110946	21.448	ug/l 99
18) Methylene Chloride	4.55	84	82810	21.426	ug/l 93
19) trans-1,2-Dichloroethene	5.04	96	71470	20.055	ug/l 91
20) Diisopropyl ether	5.95	45	239164	22.316	ug/l 99
21) 1,1-Dichloroethane	5.85	63	137845	22.132	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	85979	20.671	ug/l 94
23) tert-Butyl Alcohol	4.79	59	66555	95.573	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	226051	21.246	ug/l # 81
25) Chloroform	7.37	83	134854	21.683	ug/l 98
26) Cyclohexane	7.65	56	124688	21.579	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	98311	21.090	ug/l 99
30) 2-Butanone	6.84	43	273278	111.359	ug/l 98
31) 2,2-Dichloropropane	6.82	77	88336	20.371	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	105468	20.478	ug/l 99
33) Carbon Tetrachloride	7.77	117	86304	19.779	ug/l 97
34) Benzene	8.04	78	310866	20.930	ug/l 99
35) Methacrylonitrile	7.18	41	46741m	22.556	ug/l
36) 1,2-Dichloroethane	8.12	62	106316	22.853	ug/l 96
37) Trichloroethene	8.83	130	82950	19.959	ug/l 91
38) Methylcyclohexane	9.08	83	121299	20.526	ug/l 99
39) 1,2-Dichloropropane	9.12	63	83775	22.023	ug/l 99
40) Dibromomethane	9.21	93	53079	21.045	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	93638	20.733	ug/l	98
42) Vinyl Acetate	5.90	43	956439	109.321	ug/l	98
43) Ethyl Acetate	6.93	43	108892	23.185	ug/l	94
44) Isopropyl Acetate	8.17	43	156721	21.492	ug/l #	85
45) 1,4-Dioxane	9.20	88	30377	389.411	ug/l	92
46) Methyl methacrylate	9.20	41	77563	21.411	ug/l	96
47) n-amyl Acetate	12.07	43	123980	20.559	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	93485	19.669	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	113286	20.355	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	79569	21.240	ug/l	99
51) Ethyl methacrylate	10.43	69	119079	21.011	ug/l	100
52) 1,3-Dichloropropane	10.71	76	131523	21.656	ug/l	98
53) Dibromochloromethane	10.90	129	70401	19.198	ug/l	98
54) 1,2-Dibromoethane	11.00	107	81524	20.855	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	267662	134.832	ug/l	98
56) Bromoform	12.13	173	47314	17.835	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	518004	112.571	ug/l	97
59) 2-Hexanone	10.75	43	366783	111.520	ug/l	99
61) Tetrachloroethene	10.63	164	89374	21.102	ug/l	98
62) Toluene	10.16	91	336670	20.523	ug/l	100
64) Chlorobenzene	11.43	112	200575	20.157	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	70843	19.744	ug/l	98
66) Ethyl Benzene	11.51	91	356559	20.407	ug/l	99
67) m/p-Xylenes	11.62	106	263182	39.352	ug/l	95
68) o-Xylene	11.95	106	129128	19.722	ug/l	95
69) Styrene	11.96	104	204270	19.202	ug/l	97
70) Isopropylbenzene	12.25	105	351833	20.567	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	105966	20.546	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	95669m	21.427	ug/l	
73) Bromobenzene	12.53	156	88270	19.440	ug/l	95
74) n-propylbenzene	12.59	91	363599	20.141	ug/l	97
75) 2-Chlorotoluene	12.67	91	225732	20.159	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	278689	19.805	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	22180	17.410	ug/l	92
78) 4-Chlorotoluene	12.77	91	203408	19.451	ug/l	98
79) tert-butylbenzene	12.99	119	252814	20.279	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	263931	19.281	ug/l	100
81) sec-Butylbenzene	13.17	105	315774	20.023	ug/l	98
82) p-Isopropyltoluene	13.29	119	269989	18.935	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	127952	18.082	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	117077	17.369	ug/l	98
85) n-Butylbenzene	13.61	91	186285	17.505	ug/l	98
86) Hexachloroethane	13.87	117	40545	18.240	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	130377	18.126	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15215	18.793	ug/l	88
89) 1,2,4-Trichlorobenzene	14.91	180	44592	17.393	ug/l	97
90) Hexachlorobutadiene	15.01	225	47108	17.941	ug/l	99
91) Naphthalene	15.13	128	126854	13.279	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	52295	13.889	ug/l	99

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

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