

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090319\
 Data File : VN057662.D
 Acq On : 3 Sep 2019 14:44
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 03 15:47:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 03 15:42:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	64036	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	385734	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	321452	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	202291	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	12.40	95	138040m	28.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.00%
63) Toluene-d8	10.08	98	481683	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	21657	4.969 ug/l	97
3) Chloromethane	2.05	50	24915	5.090 ug/l	94
4) Vinyl Chloride	2.18	62	19732	5.002 ug/l	92
5) Bromomethane	2.54	94	14526m	5.246 ug/l	
6) Chloroethane	2.69	64	15030	5.038 ug/l	95
7) Trichlorofluoromethane	3.01	101	39308	5.187 ug/l	90
8) Diethyl Ether	3.40	74	12556	4.991 ug/l	53
9) 1,1,2-Trichlorotrifluoroet	3.75	101	20832	5.187 ug/l	90
10) 1,1-Dichloroethene	3.73	96	18232	5.086 ug/l #	67
11) Methyl Iodide	3.95	142	22716	4.946 ug/l	86
12) Methyl Acetate	4.31	43	28363	5.165 ug/l	91
13) Acrolein	3.60	56	7979	25.214 ug/l	96
14) Acrylonitrile	4.98	53	48188	25.098 ug/l	96
15) Acetone	3.80	58	14788	26.102 ug/l	71
16) Carbon Disulfide	4.05	76	43845	5.100 ug/l	100
17) Allyl chloride	4.31	41	37936	5.195 ug/l	91
18) Methylene Chloride	4.54	84	25352m	5.390 ug/l	
19) trans-1,2-Dichloroethene	5.02	96	19331	5.090 ug/l #	81
20) Diisopropyl ether	5.94	45	82042	4.963 ug/l #	86
21) 1,1-Dichloroethane	5.83	63	44345	5.092 ug/l	95
22) cis-1,2-Dichloroethene	6.82	96	23544	5.017 ug/l #	80
23) tert-Butyl Alcohol	4.76	59	16848m	24.939 ug/l	
24) Methyl tert-Butyl Ether	5.02	73	73296m	5.110 ug/l	
25) Chloroform	7.36	83	44079	5.002 ug/l	92
26) Cyclohexane	7.64	56	38046	5.136 ug/l #	80
29) 1,1-Dichloropropene	7.78	75	31268	5.101 ug/l	94
30) 2-Butanone	6.82	43	70630	25.186 ug/l #	87
31) 2,2-Dichloropropane	6.81	77	37800m	5.142 ug/l	
32) 1,1,1-Trichloroethane	7.56	97	36271	5.021 ug/l #	91
33) Carbon Tetrachloride	7.76	117	29276	5.055 ug/l	97
34) Benzene	8.03	78	90380	5.119 ug/l #	51
35) Methacrylonitrile	7.16	41	12104m	5.131 ug/l	
36) 1,2-Dichloroethane	8.11	62	40368	5.194 ug/l #	94
37) Trichloroethene	8.83	130	21122	5.123 ug/l	83
38) Methylcyclohexane	9.08	83	36137	5.261 ug/l	85
39) 1,2-Dichloropropane	9.11	63	24723	5.115 ug/l	97
40) Dibromomethane	9.20	93	15824	5.148 ug/l	90

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

41) Bromodichloromethane	9.39	83	31352	4.999	ug/l	95
42) Vinyl Acetate	5.88	43	322025	24.953	ug/l #	91
43) Ethyl Acetate	6.91	43	28209	5.075	ug/l	98
44) Isopropyl Acetate	8.16	43	53299	4.993	ug/l #	81
45) 1,4-Dioxane	9.19	88	6983	100.000	ug/l	92
46) Methyl methacrylate	9.19	41	25268	5.011	ug/l	84
47) n-amyl Acetate	12.07	43	36499	4.947	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	30933	4.853	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	35299	4.977	ug/l #	74
50) 1,1,2-Trichloroethane	10.56	97	21377	5.133	ug/l	93
51) Ethyl methacrylate	10.43	69	31328	5.002	ug/l	75
52) 1,3-Dichloropropane	10.70	76	37803	5.106	ug/l	99
53) Dibromochloromethane	10.90	129	18551	4.875	ug/l	97
54) 1,2-Dibromoethane	11.00	107	19687	4.996	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	44843	24.639	ug/l	95
56) Bromoform	12.13	173	10361	4.753	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	149472	25.341	ug/l #	88
59) 2-Hexanone	10.75	43	102397	26.014	ug/l	90
61) Tetrachloroethene	10.63	164	20786	5.233	ug/l	93
62) Toluene	10.15	91	98266	5.254	ug/l	99
64) Chlorobenzene	11.43	112	54818	5.245	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	18770	5.102	ug/l	99
66) Ethyl Benzene	11.51	91	103655	5.121	ug/l	91
67) m/p-Xylenes	11.62	106	68586	10.145	ug/l	86
68) o-Xylene	11.95	106	34889	5.122	ug/l	90
69) Styrene	11.96	104	46878	4.797	ug/l	91
70) Isopropylbenzene	12.25	105	95208	5.052	ug/l #	48
71) 1,1,2,2-Tetrachloroethane	12.51	83	23809	4.921	ug/l	93
72) 1,2,3-Trichloropropane	12.56	75	31650	5.043	ug/l	1
73) Bromobenzene	12.53	156	18542	5.064	ug/l	74
74) n-propylbenzene	12.59	91	104579	5.178	ug/l	94
75) 2-Chlorotoluene	12.68	91	62174	5.039	ug/l	88
76) 1,3,5-Trimethylbenzene	12.73	105	78175	5.170	ug/l	95
77) t-1,4-Dichloro-2-butene	12.30	75	4880	4.531	ug/l #	59
78) 4-Chlorotoluene	12.77	91	55450	5.056	ug/l	90
79) tert-butylbenzene	12.99	119	68321	5.192	ug/l	93
80) 1,2,4-Trimethylbenzene	13.04	105	69989	5.051	ug/l	94
81) sec-Butylbenzene	13.17	105	83562	5.093	ug/l	98
82) p-Isopropyltoluene	13.29	119	71418	5.175	ug/l	97
83) 1,3-Dichlorobenzene	13.29	146	22906	4.746	ug/l	95
84) 1,4-Dichlorobenzene	13.37	146	20702	4.698	ug/l	93
85) n-Butylbenzene	13.62	91	56358	4.864	ug/l	98
86) Hexachloroethane	13.88	117	11036	4.779	ug/l	93
87) 1,2-Dichlorobenzene	13.66	146	20712	4.636	ug/l	94
88) 1,2-Dibromo-3-Chloropropan	14.27	75	2475	4.942	ug/l #	60
89) 1,2,4-Trichlorobenzene	14.91	180	4308	4.680	ug/l	96
90) Hexachlorobutadiene	15.01	225	9860	4.910	ug/l	96
91) Naphthalene	15.13	128	10249	4.619	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.30	180	4380	4.757	ug/l	95

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

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