

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN062119\
 Data File : VN056412.D
 Acq On : 21 Jun 2019 9:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jun 24 09:31:34 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	63570	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	353228	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	302146	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	129027	32.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.93%
60) 4-Bromofluorobenzene	12.40	95	132153	29.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.37%
63) Toluene-d8	10.09	98	425759	31.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	81426	22.774	ug/l 100
3) Chloromethane	2.06	50	87990	21.063	ug/l 99
4) Vinyl Chloride	2.18	62	89719	21.064	ug/l 100
5) Bromomethane	2.54	94	51236m	19.141	ug/l
6) Chloroethane	2.69	64	50936	21.143	ug/l 97
7) Trichlorofluoromethane	3.01	101	117352	22.269	ug/l 98
8) Diethyl Ether	3.41	74	47396	21.206	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	73474	22.587	ug/l 97
10) 1,1-Dichloroethene	3.73	96	70237	21.166	ug/l 97
11) Methyl Iodide	3.95	142	92750	17.716	ug/l 97
12) Methyl Acetate	4.33	43	93517	23.452	ug/l 97
13) Acrolein	3.61	56	19745	101.591	ug/l 93
14) Acrylonitrile	4.99	53	196089	110.270	ug/l 98
15) Acetone	3.82	58	69135	118.737	ug/l 92
16) Carbon Disulfide	4.05	76	156113	19.772	ug/l 99
17) Allyl chloride	4.32	41	114846	22.337	ug/l 99
18) Methylene Chloride	4.55	84	80979	21.079	ug/l 91
19) trans-1,2-Dichloroethene	5.04	96	75330	21.267	ug/l 97
20) Diisopropyl ether	5.95	45	238370	22.377	ug/l 98
21) 1,1-Dichloroethane	5.85	63	138312	22.342	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	86812	20.998	ug/l 95
23) tert-Butyl Alcohol	4.80	59	67388	97.358	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	224925	21.269	ug/l 100
25) Chloroform	7.37	83	135462	21.914	ug/l 100
26) Cyclohexane	7.65	56	127277	22.161	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	101268	21.195	ug/l 98
30) 2-Butanone	6.84	43	283129	112.559	ug/l 98
31) 2,2-Dichloropropane	6.82	77	97464	21.927	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	109401	20.724	ug/l 99
33) Carbon Tetrachloride	7.77	117	89093	19.920	ug/l 97
34) Benzene	8.04	78	317934	20.884	ug/l 99
35) Methacrylonitrile	7.17	41	40454	19.045	ug/l 96
36) 1,2-Dichloroethane	8.13	62	102765	21.551	ug/l 98
37) Trichloroethene	8.84	130	86395	20.280	ug/l 93
38) Methylcyclohexane	9.08	83	128829	21.268	ug/l 99
39) 1,2-Dichloropropane	9.12	63	85188	21.849	ug/l 99
40) Dibromomethane	9.21	93	52975	20.492	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	95759	20.686	ug/l	99
42) Vinyl Acetate	5.90	43	970440	108.215	ug/l	98
43) Ethyl Acetate	6.93	43	102554	21.303	ug/l	99
44) Isopropyl Acetate	8.17	43	155202	20.764	ug/l	100
45) 1,4-Dioxane	9.20	88	31686	396.283	ug/l	95
46) Methyl methacrylate	9.20	41	75862	20.430	ug/l	97
47) n-amyl Acetate	12.07	43	123110	19.916	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	96897	19.890	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	119342	20.920	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	78985	20.570	ug/l	97
51) Ethyl methacrylate	10.43	69	113998	19.624	ug/l	98
52) 1,3-Dichloropropane	10.71	76	130619	20.983	ug/l	99
53) Dibromochloromethane	10.90	129	71776	19.095	ug/l	99
54) 1,2-Dibromoethane	11.01	107	78681	19.636	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	199442	98.016	ug/l	98
56) Bromoform	12.13	173	48519	17.843	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	501053	109.514	ug/l	97
59) 2-Hexanone	10.75	43	363997	111.309	ug/l	99
61) Tetrachloroethene	10.63	164	82974	19.704	ug/l	98
62) Toluene	10.16	91	342845	21.019	ug/l	99
64) Chlorobenzene	11.43	112	203226	20.541	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	72819	20.411	ug/l	97
66) Ethyl Benzene	11.51	91	363910	20.947	ug/l	98
67) m/p-Xylenes	11.62	106	266705	40.108	ug/l	95
68) o-Xylene	11.95	106	132131	20.297	ug/l	98
69) Styrene	11.96	104	209143	19.774	ug/l	98
70) Isopropylbenzene	12.25	105	353764	20.799	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	108344	21.128	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	86892m	19.573	ug/l	
73) Bromobenzene	12.53	156	86785	19.223	ug/l	94
74) n-propylbenzene	12.59	91	370207	20.625	ug/l	98
75) 2-Chlorotoluene	12.67	91	232088	20.846	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	281886	20.148	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	23175	18.295	ug/l	93
78) 4-Chlorotoluene	12.77	91	207814	19.987	ug/l	98
79) tert-butylbenzene	12.99	119	254378	20.522	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	268841	19.753	ug/l	100
81) sec-Butylbenzene	13.17	105	324677	20.706	ug/l	99
82) p-Isopropyltoluene	13.29	119	278502	19.644	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	130415	18.536	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	119719	17.863	ug/l	99
85) n-Butylbenzene	13.61	91	195071	18.436	ug/l	98
86) Hexachloroethane	13.87	117	43632	19.741	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	132521	18.530	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14787	18.369	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	48927	18.308	ug/l	99
90) Hexachlorobutadiene	15.01	225	51012	19.539	ug/l	99
91) Naphthalene	15.13	128	138677	14.600	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	59343	15.852	ug/l	98

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

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