

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058673.D
 Acq On : 10 Oct 2019 18:34
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Oct 11 04:26:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:10:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75587	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	422377	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	381535	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	195226	29.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.17%
60) 4-Bromofluorobenzene	12.41	95	199825	30.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.37%
63) Toluene-d8	10.08	98	549090	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	86259	19.295	ug/l 100
3) Chloromethane	2.04	50	112995	21.156	ug/l 100
4) Vinyl Chloride	2.17	62	118413	22.089	ug/l 100
5) Bromomethane	2.55	94	74545	24.390	ug/l 100
6) Chloroethane	2.69	64	73650	23.031	ug/l 100
7) Trichlorofluoromethane	3.00	101	144274	22.774	ug/l 100
8) Diethyl Ether	3.39	74	55132	20.029	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82722	19.567	ug/l 100
10) 1,1-Dichloroethene	3.72	96	81905	19.782	ug/l 100
11) Methyl Iodide	3.93	142	110672	24.025	ug/l 100
12) Methyl Acetate	4.30	43	126691	22.075	ug/l 100
13) Acrolein	3.59	56	67459	259.384	ug/l 100
14) Acrylonitrile	4.96	53	246083	105.728	ug/l 100
15) Acetone	3.80	58	72453	112.442	ug/l 100
16) Carbon Disulfide	4.03	76	238099	20.220	ug/l 100
17) Allyl chloride	4.30	41	161428	20.577	ug/l 100
18) Methylene Chloride	4.53	84	98455	20.091	ug/l 100
19) trans-1,2-Dichloroethene	5.02	96	89609	19.369	ug/l 100
20) Diisopropyl ether	5.93	45	328435	19.810	ug/l 100
21) 1,1-Dichloroethane	5.83	63	182504	19.738	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	106122	19.667	ug/l 100
23) tert-Butyl Alcohol	4.76	59	101078	114.546	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	302405	20.188	ug/l 100
25) Chloroform	7.36	83	182493	19.514	ug/l 100
26) Cyclohexane	7.64	56	157401	18.475	ug/l 100
29) 1,1-Dichloropropene	7.78	75	135540	19.624	ug/l 100
30) 2-Butanone	6.81	43	370495	113.644	ug/l 100
31) 2,2-Dichloropropane	6.80	77	154246	21.207	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	159424	21.014	ug/l 100
33) Carbon Tetrachloride	7.76	117	137049	21.180	ug/l 100
34) Benzene	8.03	78	401105	20.342	ug/l 100
35) Methacrylonitrile	7.16	41	67632m	23.650	ug/l 100
36) 1,2-Dichloroethane	8.11	62	154228	19.985	ug/l 100
37) Trichloroethene	8.82	130	98550	19.999	ug/l 100
38) Methylcyclohexane	9.07	83	154642	18.627	ug/l 100
39) 1,2-Dichloropropane	9.11	63	111271	20.544	ug/l 100
40) Dibromomethane	9.20	93	69626	20.430	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	141424	20.778	ug/l	100
42) Vinyl Acetate	5.87	43	1396618	114.192	ug/l	100
43) Ethyl Acetate	6.91	43	151392	23.157	ug/l	100
44) Isopropyl Acetate	8.15	43	240360	21.118	ug/l	100
45) 1,4-Dioxane	9.19	88	36120	387.108	ug/l	100
46) Methyl methacrylate	9.19	41	108163	20.164	ug/l	100
47) n-amyl Acetate	12.07	43	208185	20.857	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	160771	21.302	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	171155	20.707	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	98954	20.703	ug/l	100
51) Ethyl methacrylate	10.43	69	153017	20.179	ug/l	100
52) 1,3-Dichloropropane	10.71	76	176038	20.759	ug/l	100
53) Dibromochloromethane	10.90	129	104015	21.227	ug/l	100
54) 1,2-Dibromoethane	11.00	107	101094	20.649	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	408557	121.300	ug/l	100
56) Bromoform	12.13	173	70523	22.239	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	745076	120.189	ug/l	100
59) 2-Hexanone	10.75	43	561987	119.104	ug/l	100
61) Tetrachloroethene	10.63	164	86900	21.270	ug/l	100
62) Toluene	10.15	91	428160	20.415	ug/l	100
64) Chlorobenzene	11.43	112	260168	20.177	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	96773	20.979	ug/l	100
66) Ethyl Benzene	11.51	91	473103	20.735	ug/l	100
67) m/p-Xylenes	11.62	106	350600	39.964	ug/l	100
68) o-Xylene	11.95	106	168783	19.809	ug/l	100
69) Styrene	11.97	104	274084	19.308	ug/l	100
70) Isopropylbenzene	12.25	105	461146	20.857	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	153841	21.403	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	140242m	22.526	ug/l	100
73) Bromobenzene	12.53	156	109878	20.357	ug/l	100
74) n-propylbenzene	12.60	91	547195	21.403	ug/l	100
75) 2-Chlorotoluene	12.68	91	321167	20.107	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	392229	20.586	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	50758	23.732	ug/l	100
78) 4-Chlorotoluene	12.78	91	328003	20.047	ug/l	100
79) tert-butylbenzene	13.00	119	334450	20.189	ug/l	100
80) 1,2,4-Trimethylbenzene	13.05	105	390198	20.575	ug/l	100
81) sec-Butylbenzene	13.18	105	453474	20.970	ug/l	100
82) p-Isopropyltoluene	13.30	119	403099	20.654	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	198066	19.934	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	198233	19.972	ug/l	100
85) n-Butylbenzene	13.62	91	358198	19.833	ug/l	100
86) Hexachloroethane	13.88	117	71972	21.902	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	194676	20.079	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	34135	23.345	ug/l	100
89) 1,2,4-Trichlorobenzene	14.92	180	120893	18.989	ug/l	100
90) Hexachlorobutadiene	15.02	225	63088	20.314	ug/l	100
91) Naphthalene	15.13	128	359059	20.256	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	118267	19.270	ug/l	100

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

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