

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057348.D
 Acq On : 16 Aug 2019 11:53
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Aug 16 12:19:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 11:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	153492	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	831757	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	718199	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	297708	28.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.43%
60) 4-Bromofluorobenzene	12.40	95	310659	28.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.20%
63) Toluene-d8	10.09	98	994265	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	170834	19.587	ug/l 100
3) Chloromethane	2.05	50	185803	15.929	ug/l 98
4) Vinyl Chloride	2.18	62	180632	15.744	ug/l 99
5) Bromomethane	2.54	94	141117m	19.514	ug/l
6) Chloroethane	2.70	64	122361	18.665	ug/l 100
7) Trichlorofluoromethane	3.02	101	289732	19.689	ug/l 100
8) Diethyl Ether	3.40	74	104075	17.294	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	172880	18.840	ug/l 96
10) 1,1-Dichloroethene	3.73	96	167297	18.481	ug/l 92
11) Methyl Iodide	3.95	142	277907	23.100	ug/l 99
12) Methyl Acetate	4.31	43	182690	15.076	ug/l 100
13) Acrolein	3.60	56	79110	92.596	ug/l 99
14) Acrylonitrile	4.98	53	371390	69.572	ug/l 100
15) Acetone	3.80	58	117132	63.566	ug/l 99
16) Carbon Disulfide	4.05	76	448573	18.787	ug/l 100
17) Allyl chloride	4.31	41	237444	14.994	ug/l 97
18) Methylene Chloride	4.54	84	192048	18.069	ug/l 91
19) trans-1,2-Dichloroethene	5.03	96	179184	18.489	ug/l 93
20) Diisopropyl ether	5.94	45	511065	16.197	ug/l 94
21) 1,1-Dichloroethane	5.84	63	317237	17.596	ug/l 97
22) cis-1,2-Dichloroethene	6.82	96	209883	18.521	ug/l 97
23) tert-Butyl Alcohol	4.76	59	129801	69.705	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	510563	17.682	ug/l 99
25) Chloroform	7.36	83	329748	18.773	ug/l 99
26) Cyclohexane	7.65	56	263521	15.725	ug/l # 92
29) 1,1-Dichloropropene	7.79	75	245131	18.541	ug/l 98
30) 2-Butanone	6.82	43	485148	63.377	ug/l 95
31) 2,2-Dichloropropane	6.81	77	272112	21.266	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	295381	20.959	ug/l 96
33) Carbon Tetrachloride	7.77	117	257349	21.220	ug/l 99
34) Benzene	8.03	78	748403	18.423	ug/l 99
35) Methacrylonitrile	7.17	41	109320m	18.694	ug/l
36) 1,2-Dichloroethane	8.12	62	237805	18.223	ug/l 98
37) Trichloroethene	8.83	130	216740	19.645	ug/l 94
38) Methylcyclohexane	9.08	83	292404	17.507	ug/l 96
39) 1,2-Dichloropropane	9.11	63	191296	17.544	ug/l 99
40) Dibromomethane	9.20	93	127109	18.301	ug/l 94

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

41) Bromodichloromethane	9.40	83	255325	19.947	ug/l	100
42) Vinyl Acetate	5.88	43	2052452	80.562	ug/l	98
43) Ethyl Acetate	6.91	43	196791	14.226	ug/l	98
44) Isopropyl Acetate	8.16	43	351115	16.274	ug/l	# 87
45) 1,4-Dioxane	9.19	88	64229	294.261	ug/l	99
46) Methyl methacrylate	9.19	41	155034	14.957	ug/l	91
47) n-amyl Acetate	12.07	43	237447	13.457	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	273201	19.404	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	309871	19.509	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	185234	18.306	ug/l	98
51) Ethyl methacrylate	10.43	69	260622	16.745	ug/l	93
52) 1,3-Dichloropropane	10.71	76	303210	17.909	ug/l	99
53) Dibromochloromethane	10.90	129	211070	20.640	ug/l	98
54) 1,2-Dibromoethane	11.00	107	194917	18.535	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	272006	36.141	ug/l	96
56) Bromoform	12.13	173	149878	19.798	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	955232	70.666	ug/l	96
59) 2-Hexanone	10.75	43	683698	66.631	ug/l	97
61) Tetrachloroethene	10.63	164	226669	21.964	ug/l	97
62) Toluene	10.15	91	824136	19.537	ug/l	99
64) Chlorobenzene	11.43	112	504953	19.627	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	201278	21.339	ug/l	98
66) Ethyl Benzene	11.51	91	884804	19.405	ug/l	99
67) m/p-Xylenes	11.62	106	663045	38.532	ug/l	98
68) o-Xylene	11.95	106	325247	19.378	ug/l	96
69) Styrene	11.96	104	505122	18.163	ug/l	99
70) Isopropylbenzene	12.25	105	870121	19.778	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	238194	16.681	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	199822m	16.373	ug/l	
73) Bromobenzene	12.53	156	220129	19.147	ug/l	93
74) n-propylbenzene	12.59	91	861011	17.347	ug/l	98
75) 2-Chlorotoluene	12.67	91	553022	18.500	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	720797	19.208	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	70757	17.441	ug/l	89
78) 4-Chlorotoluene	12.77	91	481866	16.623	ug/l	97
79) tert-butylbenzene	12.99	119	638749	20.009	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	667968	17.949	ug/l	99
81) sec-Butylbenzene	13.17	105	755800	17.887	ug/l	99
82) p-Isopropyltoluene	13.29	119	657206	17.102	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	312559	16.312	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	277831	15.126	ug/l	98
85) n-Butylbenzene	13.62	91	507172	16.001	ug/l	99
86) Hexachloroethane	13.88	117	131035	21.733	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	302903	15.730	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27931	11.337	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	74115	7.156	ug/l	95
90) Hexachlorobutadiene	15.01	225	144838	21.508	ug/l	97
91) Naphthalene	15.13	128	139660	5.013	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	69043	6.357	ug/l	97

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

