

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057349.D
 Acq On : 16 Aug 2019 12:17
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Aug 16 15:44:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:35:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	144674	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	787003	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	708785	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	278521	29.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.80%
60) 4-Bromofluorobenzene	12.40	95	318499	30.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.73%
63) Toluene-d8	10.09	98	955959	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	380965	50.978	ug/l 100
3) Chloromethane	2.06	50	437474	50.762	ug/l 99
4) Vinyl Chloride	2.18	62	412292	50.004	ug/l 99
5) Bromomethane	2.53	94	316629m	49.363	ug/l
6) Chloroethane	2.69	64	282608	50.037	ug/l 100
7) Trichlorofluoromethane	3.01	101	654022	49.494	ug/l 99
8) Diethyl Ether	3.40	74	240638	49.482	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	385601	49.004	ug/l 96
10) 1,1-Dichloroethene	3.73	96	390631	50.057	ug/l 91
11) Methyl Iodide	3.95	142	662868	50.372	ug/l 99
12) Methyl Acetate	4.31	43	406850	46.372	ug/l 100
13) Acrolein	3.60	56	197925	238.562	ug/l 99
14) Acrylonitrile	4.97	53	875651	246.378	ug/l 99
15) Acetone	3.81	58	250513	239.198	ug/l 98
16) Carbon Disulfide	4.05	76	1053540	49.389	ug/l 100
17) Allyl chloride	4.32	41	541438	47.502	ug/l 97
18) Methylene Chloride	4.54	84	439257	49.179	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	412386	48.800	ug/l 97
20) Diisopropyl ether	5.93	45	1164937	49.081	ug/l 96
21) 1,1-Dichloroethane	5.84	63	720168	49.106	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	481228	49.142	ug/l 98
23) tert-Butyl Alcohol	4.76	59	310066	244.806	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	1178342	49.204	ug/l 99
25) Chloroform	7.36	83	747818	48.787	ug/l 99
26) Cyclohexane	7.65	56	597128	48.983	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	567692	49.588	ug/l 99
30) 2-Butanone	6.82	43	1109049	245.541	ug/l 96
31) 2,2-Dichloropropane	6.81	77	622631	49.648	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	670456	49.539	ug/l 97
33) Carbon Tetrachloride	7.77	117	603418	50.072	ug/l 98
34) Benzene	8.03	78	1703763	49.057	ug/l # 94
35) Methacrylonitrile	7.18	41	314421m	50.953	ug/l
36) 1,2-Dichloroethane	8.12	62	558460	49.478	ug/l 99
37) Trichloroethene	8.83	130	495788	49.042	ug/l 95
38) Methylcyclohexane	9.08	83	670358	49.444	ug/l 97
39) 1,2-Dichloropropane	9.11	63	444542	50.080	ug/l 98
40) Dibromomethane	9.20	93	289218	48.977	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	593368	49.590	ug/l	99
42) Vinyl Acetate	5.88	43	4729332	248.844	ug/l	97
43) Ethyl Acetate	6.91	43	453088	48.892	ug/l	98
44) Isopropyl Acetate	8.16	43	810958m	49.788	ug/l	
45) 1,4-Dioxane	9.19	88	152789	993.931	ug/l	96
46) Methyl methacrylate	9.19	41	369015	50.464	ug/l	92
47) n-amyl Acetate	12.07	43	599479	49.752	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	643129	49.681	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	719222	49.902	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	424122	49.213	ug/l	98
51) Ethyl methacrylate	10.43	69	627997	50.267	ug/l	94
52) 1,3-Dichloropropane	10.71	76	695736	49.431	ug/l	99
53) Dibromochloromethane	10.90	129	496189	50.044	ug/l	99
54) 1,2-Dibromoethane	11.00	107	450870	49.675	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	716970	246.537	ug/l	97
56) Bromoform	12.13	173	374161	49.975	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	2252332	243.938	ug/l	96
59) 2-Hexanone	10.75	43	1610272	243.153	ug/l	96
61) Tetrachloroethene	10.63	164	504253	48.539	ug/l	98
62) Toluene	10.15	91	1909394	48.841	ug/l	99
64) Chlorobenzene	11.43	112	1211427	49.328	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	468202	49.046	ug/l	98
66) Ethyl Benzene	11.51	91	2106092	49.310	ug/l	99
67) m/p-Xylenes	11.62	106	1585613	99.189	ug/l	99
68) o-Xylene	11.95	106	766831	49.069	ug/l	97
69) Styrene	11.96	104	1258429	50.123	ug/l	99
70) Isopropylbenzene	12.25	105	2075534	49.539	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	560443	48.832	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	470057m	48.533	ug/l	
73) Bromobenzene	12.53	156	553310	49.837	ug/l	91
74) n-propylbenzene	12.59	91	2176085	50.003	ug/l	98
75) 2-Chlorotoluene	12.67	91	1349312	49.963	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1732727	49.725	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	185968	50.039	ug/l	88
78) 4-Chlorotoluene	12.77	91	1245440	49.289	ug/l	98
79) tert-butylbenzene	12.99	119	1515762	48.814	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1642305	49.966	ug/l	99
81) sec-Butylbenzene	13.17	105	1884816	49.242	ug/l	99
82) p-Isopropyltoluene	13.29	119	1673754	48.810	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	803283	49.393	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	748374	49.298	ug/l	100
85) n-Butylbenzene	13.62	91	1289648	50.578	ug/l	98
86) Hexachloroethane	13.88	117	323608	49.031	ug/l	90
87) 1,2-Dichlorobenzene	13.66	146	756682	49.250	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	73715	47.920	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	261720	48.145	ug/l	98
90) Hexachlorobutadiene	15.01	225	332413	47.917	ug/l	99
91) Naphthalene	15.13	128	521214	44.361	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	244187	47.376	ug/l	99

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

