

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057350.D
 Acq On : 16 Aug 2019 12:41
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 16 13:09:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 12:38:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	142484	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	786726	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	720791	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	278489	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	12.40	95	337663	33.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	111.27%
63) Toluene-d8	10.09	98	949563	28.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	753994	103.811 ug/l	98
3) Chloromethane	2.05	50	839643	99.605 ug/l	100
4) Vinyl Chloride	2.18	62	815152	101.226 ug/l	98
5) Bromomethane	2.53	94	613627m	92.497 ug/l	
6) Chloroethane	2.68	64	546666	97.583 ug/l	100
7) Trichlorofluoromethane	3.01	101	1287201	98.237 ug/l	97
8) Diethyl Ether	3.40	74	480087	101.140 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.75	101	744192	94.440 ug/l	95
10) 1,1-Dichloroethene	3.73	96	751902	97.518 ug/l	94
11) Methyl Iodide	3.95	142	1324979	104.532 ug/l	99
12) Methyl Acetate	4.31	43	794549	87.976 ug/l	98
13) Acrolein	3.60	56	402535	493.629 ug/l	99
14) Acrylonitrile	4.97	53	1769813	514.535 ug/l	100
15) Acetone	3.80	58	491406	461.998 ug/l	99
16) Carbon Disulfide	4.05	76	2113252	101.902 ug/l	99
17) Allyl chloride	4.31	41	1053870	94.330 ug/l	95
18) Methylene Chloride	4.54	84	861542	97.155 ug/l	94
19) trans-1,2-Dichloroethene	5.03	96	806062	95.479 ug/l	97
20) Diisopropyl ether	5.93	45	2264057	95.549 ug/l	96
21) 1,1-Dichloroethane	5.84	63	1420938	97.639 ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	934519	95.735 ug/l	98
23) tert-Butyl Alcohol	4.76	59	639385	525.813 ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	2330543	98.948 ug/l	99
25) Chloroform	7.36	83	1463836	95.567 ug/l	98
26) Cyclohexane	7.64	56	1188440	98.896 ug/l #	95
29) 1,1-Dichloropropene	7.79	75	1109057	96.027 ug/l	98
30) 2-Butanone	6.82	43	2208966	485.988 ug/l	96
31) 2,2-Dichloropropane	6.81	77	1218730	95.815 ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	1325101	97.432 ug/l	97
33) Carbon Tetrachloride	7.77	117	1186055	98.552 ug/l	98
34) Benzene	8.03	78	3345251	95.073 ug/l #	91
35) Methacrylonitrile	7.18	41	692246m	120.272 ug/l	
36) 1,2-Dichloroethane	8.12	62	1086585	94.752 ug/l	99
37) Trichloroethene	8.83	130	968219	94.249 ug/l	96
38) Methylcyclohexane	9.08	83	1324658	97.237 ug/l	96
39) 1,2-Dichloropropane	9.11	63	859565	95.818 ug/l	99
40) Dibromomethane	9.20	93	571178	95.784 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1162494	97.074	ug/l	96
42) Vinyl Acetate	5.88	43	9355246	493.905	ug/l	97
43) Ethyl Acetate	6.91	43	903621	96.993	ug/l	98
44) Isopropyl Acetate	8.16	43	1595253m	97.056	ug/l	
45) 1,4-Dioxane	9.19	88	315806	2092.207	ug/l	96
46) Methyl methacrylate	9.19	41	738421	102.958	ug/l	91
47) n-amyl Acetate	12.07	43	1306009	116.898	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1295694	102.140	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	1422707	99.461	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	829630	95.076	ug/l	98
51) Ethyl methacrylate	10.43	69	1276176	105.703	ug/l	93
52) 1,3-Dichloropropane	10.70	76	1370867	96.897	ug/l	100
53) Dibromochloromethane	10.90	129	988370	101.323	ug/l	100
54) 1,2-Dibromoethane	11.00	107	896014	99.382	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	1615346	631.973	ug/l	97
56) Bromoform	12.13	173	794838	112.691	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	4528510	477.468	ug/l	95
59) 2-Hexanone	10.75	43	3325010	493.116	ug/l	95
61) Tetrachloroethene	10.63	164	950389	84.422	ug/l	97
62) Toluene	10.15	91	3748776	91.396	ug/l	99
64) Chlorobenzene	11.43	112	2404355	94.958	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	915309	91.705	ug/l	99
66) Ethyl Benzene	11.51	91	4216840	96.219	ug/l	100
67) m/p-Xylenes	11.62	106	3213479	198.456	ug/l	100
68) o-Xylene	11.95	106	1557947	97.979	ug/l	98
69) Styrene	11.96	104	2651557	108.860	ug/l	99
70) Isopropylbenzene	12.25	105	4206814	98.968	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	1141447	96.826	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	963308m	97.724	ug/l	
73) Bromobenzene	12.53	156	1140875	103.792	ug/l	92
74) n-propylbenzene	12.59	91	4600581	109.166	ug/l	97
75) 2-Chlorotoluene	12.67	91	2768405	103.342	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	3560961	102.554	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	406883	115.633	ug/l	87
78) 4-Chlorotoluene	12.77	91	2735201	114.426	ug/l	99
79) tert-butylbenzene	12.99	119	3139889	100.412	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	3417303	106.187	ug/l	99
81) sec-Butylbenzene	13.17	105	4022178	107.527	ug/l	99
82) p-Isopropyltoluene	13.29	119	3637912	110.266	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1824194	120.779	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	1722545	124.690	ug/l	99
85) n-Butylbenzene	13.62	91	2752089	114.751	ug/l	99
86) Hexachloroethane	13.88	117	675798	102.771	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	1713288	118.391	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	173497	126.104	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	715133	178.377	ug/l	98
90) Hexachlorobutadiene	15.01	225	702802	98.610	ug/l	100
91) Naphthalene	15.13	128	1532964	192.286	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	628847	164.796	ug/l	100

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

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