

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058671.D
 Acq On : 10 Oct 2019 17:50
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Oct 11 04:25:02 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	7.17	128	80850	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	455557	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	427255	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	200064	28.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.07%
60) 4-Bromofluorobenzene	12.41	95	230671	31.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.47%
63) Toluene-d8	10.08	98	597826	29.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	630053	131.758	ug/l 99
3) Chloromethane	2.04	50	814003	142.481	ug/l 100
4) Vinyl Chloride	2.17	62	864120	150.701	ug/l 98
5) Bromomethane	2.52	94	518122m	158.486	ug/l
6) Chloroethane	2.67	64	532248	155.607	ug/l 99
7) Trichlorofluoromethane	2.99	101	1047904	154.646	ug/l 98
8) Diethyl Ether	3.39	74	405708	137.797	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	601504	133.019	ug/l 99
10) 1,1-Dichloroethene	3.71	96	586058	132.330	ug/l 96
11) Methyl Iodide	3.93	142	876233	177.833	ug/l 98
12) Methyl Acetate	4.30	43	965365	157.260	ug/l 99
13) Acrolein	3.58	56	555610	1997.288	ug/l 99
14) Acrylonitrile	4.96	53	1996889	802.103	ug/l 98
15) Acetone	3.79	58	555433	805.879	ug/l 96
16) Carbon Disulfide	4.03	76	1736555	137.872	ug/l 100
17) Allyl chloride	4.30	41	1215230	144.818	ug/l 96
18) Methylene Chloride	4.53	84	708001	135.074	ug/l 99
19) trans-1,2-Dichloroethene	5.01	96	649657	131.284	ug/l 94
20) Diisopropyl ether	5.93	45	2511183	141.603	ug/l 92
21) 1,1-Dichloroethane	5.82	63	1338765	135.366	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	773675	134.050	ug/l 98
23) tert-Butyl Alcohol	4.76	59	813355	861.725	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	2274182	141.935	ug/l 99
25) Chloroform	7.36	83	1330658	133.025	ug/l 97
26) Cyclohexane	7.63	56	1222468	134.144	ug/l # 98
29) 1,1-Dichloropropene	7.77	75	1033789	138.772	ug/l 99
30) 2-Butanone	6.81	43	2959373	841.632	ug/l 99
31) 2,2-Dichloropropane	6.80	77	1165092	148.522	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	1162803	142.107	ug/l 99
33) Carbon Tetrachloride	7.76	117	1025971	147.009	ug/l 99
34) Benzene	8.02	78	2967858	139.553	ug/l # 91
35) Methacrylonitrile	7.16	41	522220m	169.314	ug/l
36) 1,2-Dichloroethane	8.11	62	1127789	135.497	ug/l 100
37) Trichloroethene	8.82	130	738123	138.880	ug/l 98
38) Methylcyclohexane	9.07	83	1231165	137.497	ug/l 98
39) 1,2-Dichloropropane	9.11	63	812248	139.043	ug/l 98
40) Dibromomethane	9.20	93	514675	140.019	ug/l 99

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

41) Bromodichloromethane	9.39	83	1080702	147.210	ug/l	99
42) Vinyl Acetate	5.87	43	9276328	703.219	ug/l #	95
43) Ethyl Acetate	6.91	43	1129304	160.154	ug/l	94
44) Isopropyl Acetate	8.15	43	1920799	156.467	ug/l	99
45) 1,4-Dioxane	9.19	88	298564	2966.741	ug/l	98
46) Methyl methacrylate	9.19	41	909667	157.228	ug/l	98
47) n-amyl Acetate	12.07	43	1829011	169.890	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1294600	159.041	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	1350339	151.468	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	743587	144.240	ug/l	99
51) Ethyl methacrylate	10.43	69	1305662	159.644	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1329574	145.370	ug/l	99
53) Dibromochloromethane	10.90	129	843190	159.541	ug/l	99
54) 1,2-Dibromoethane	11.00	107	794227	150.412	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	3252816	895.417	ug/l	97
56) Bromoform	12.13	173	621661	181.763	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	4926130	709.608	ug/l #	87
59) 2-Hexanone	10.75	43	4081967	772.535	ug/l	89
61) Tetrachloroethene	10.63	164	639112	139.693	ug/l	99
62) Toluene	10.15	91	3154694	134.319	ug/l	96
64) Chlorobenzene	11.43	112	2003459	138.751	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	762003	147.516	ug/l	98
66) Ethyl Benzene	11.51	91	3461591	135.481	ug/l	90
67) m/p-Xylenes	11.62	106	2770171	281.975	ug/l	82
68) o-Xylene	11.95	106	1352089	141.705	ug/l	94
69) Styrene	11.97	104	2332136	146.706	ug/l	99
70) Isopropylbenzene	12.25	105	3440841	138.968	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.51	83	1215278	150.979	ug/l	99
72) 1,1,2,3-Trichloropropane	12.56	75	1101875m	158.046	ug/l	
73) Bromobenzene	12.53	156	875849	144.907	ug/l	98
74) n-propylbenzene	12.60	91	3904709	136.384	ug/l	93
75) 2-Chlorotoluene	12.68	91	2538213	141.904	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	3036187	142.300	ug/l	95
77) t-1,4-Dichloro-2-butene	12.30	75	466032	194.577	ug/l	94
78) 4-Chlorotoluene	12.78	91	2674322	145.961	ug/l	98
79) tert-butylbenzene	13.00	119	2641999	142.414	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	3049771	143.602	ug/l	96
81) sec-Butylbenzene	13.18	105	3442607	142.158	ug/l	95
82) p-Isopropyltoluene	13.29	119	3176362	145.337	ug/l	96
83) 1,3-Dichlorobenzene	13.29	146	1653999	148.647	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	1644418	147.944	ug/l	99
85) n-Butylbenzene	13.62	91	3037135	150.170	ug/l	94
86) Hexachloroethane	13.88	117	618108	167.967	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	1595373	146.941	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	281195	171.731	ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	1062303	149.000	ug/l	99
90) Hexachlorobutadiene	15.02	225	521191	149.864	ug/l	100
91) Naphthalene	15.13	128	3087044	155.514	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	1031765	150.121	ug/l	99

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

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