

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057789.D
 Acq On : 9 Sep 2019 9:56
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:04:37 AM

Quant Time: Sep 09 12:10:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 11:48:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	71376	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	424752	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	384844	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	186746	29.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.60%
60) 4-Bromofluorobenzene	12.40	95	199916	30.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.20%
63) Toluene-d8	10.08	98	551637	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	213893	49.599 ug/l	98
3) Chloromethane	2.03	50	270634	50.329 ug/l	98
4) Vinyl Chloride	2.16	62	278839	50.683 ug/l	99
5) Bromomethane	2.54	94	165555	47.995 ug/l	93
6) Chloroethane	2.68	64	171518	50.164 ug/l	100
7) Trichlorofluoromethane	2.99	101	296525	46.652 ug/l	99
8) Diethyl Ether	3.39	74	130864	51.036 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	196735	49.568 ug/l	99
10) 1,1-Dichloroethene	3.71	96	186721	49.474 ug/l	94
11) Methyl Iodide	3.93	142	251449	49.797 ug/l	99
12) Methyl Acetate	4.30	43	262358	50.586 ug/l	97
13) Acrolein	3.58	56	64197	228.443 ug/l	99
14) Acrylonitrile	4.96	53	548945	259.988 ug/l	# 92
15) Acetone	3.80	58	154471	257.696 ug/l	99
16) Carbon Disulfide	4.03	76	432804	49.247 ug/l	100
17) Allyl chloride	4.30	41	348235	50.354 ug/l	94
18) Methylene Chloride	4.53	84	233896	49.179 ug/l	97
19) trans-1,2-Dichloroethene	5.01	96	204980	48.730 ug/l	97
20) Diisopropyl ether	5.93	45	794987	49.171 ug/l	96
21) 1,1-Dichloroethane	5.82	63	445966	50.025 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	256700	49.807 ug/l	100
23) tert-Butyl Alcohol	4.76	59	178730	259.295 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	718644	49.685 ug/l	# 100
25) Chloroform	7.36	83	446043	49.145 ug/l	100
26) Cyclohexane	7.64	56	372954	49.791 ug/l	# 99
29) 1,1-Dichloropropene	7.78	75	333382	49.893 ug/l	99
30) 2-Butanone	6.82	43	781544	259.404 ug/l	100
31) 2,2-Dichloropropane	6.81	77	351189	49.781 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	368288	49.022 ug/l	98
33) Carbon Tetrachloride	7.76	117	304177	49.632 ug/l	98
34) Benzene	8.03	78	988129	49.908 ug/l	# 90
35) Methacrylonitrile	7.16	41	160530	58.482 ug/l	94
36) 1,2-Dichloroethane	8.11	62	383347	49.895 ug/l	99
37) Trichloroethene	8.83	130	236872	49.258 ug/l	100
38) Methylcyclohexane	9.07	83	378657	49.767 ug/l	98
39) 1,2-Dichloropropane	9.11	63	273178	49.131 ug/l	99
40) Dibromomethane	9.20	93	169197	50.032 ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	342066	50.171	ug/l	94
42) Vinyl Acetate	5.87	43	3305029	272.788	ug/l	99
43) Ethyl Acetate	6.91	43	324567m	52.225	ug/l	
44) Isopropyl Acetate	8.15	43	541766	50.344	ug/l #	92
45) 1,4-Dioxane	9.19	88	87017	1033.241	ug/l	98
46) Methyl methacrylate	9.19	41	264126	50.450	ug/l	99
47) n-amyl Acetate	12.07	43	521459	52.994	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	370371	51.026	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	410120	50.360	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	241873	49.308	ug/l	97
51) Ethyl methacrylate	10.43	69	390819	51.383	ug/l	99
52) 1,3-Dichloropropane	10.71	76	430065	50.133	ug/l	99
53) Dibromochloromethane	10.90	129	244010	50.369	ug/l	100
54) 1,2-Dibromoethane	11.00	107	244972	50.193	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	938739	259.739	ug/l	100
56) Bromoform	12.13	173	153297	51.080	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	1667430	279.391	ug/l	100
59) 2-Hexanone	10.75	43	1223216	273.125	ug/l	100
61) Tetrachloroethene	10.63	164	191815	49.022	ug/l	98
62) Toluene	10.15	91	1089847	51.144	ug/l	99
64) Chlorobenzene	11.43	112	662557	50.122	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	231286	50.392	ug/l	99
66) Ethyl Benzene	11.51	91	1243342	53.478	ug/l	100
67) m/p-Xylenes	11.62	106	908746	113.166	ug/l	100
68) o-Xylene	11.95	106	440939	50.706	ug/l	99
69) Styrene	11.97	104	765210	51.610	ug/l	100
70) Isopropylbenzene	12.25	105	1227974	53.413	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	375767	52.299	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	328518m	52.249	ug/l	
73) Bromobenzene	12.53	156	275760	50.102	ug/l	99
74) n-propylbenzene	12.59	91	1436416	54.687	ug/l	100
75) 2-Chlorotoluene	12.68	91	840835	51.395	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	1039186	53.083	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	101940	53.882	ug/l	89
78) 4-Chlorotoluene	12.78	91	877802	52.601	ug/l	99
79) tert-butylbenzene	13.00	119	895871	52.455	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1048016	53.728	ug/l	99
81) sec-Butylbenzene	13.17	105	1225865	54.098	ug/l	99
82) p-Isopropyltoluene	13.29	119	1108801	54.639	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	525865	51.401	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	517452	51.374	ug/l	98
85) n-Butylbenzene	13.62	91	1019186	53.889	ug/l	98
86) Hexachloroethane	13.88	117	164873	51.007	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	509406	51.295	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	68461	54.116	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	317166	52.282	ug/l	99
90) Hexachlorobutadiene	15.01	225	142481	51.141	ug/l	99
91) Naphthalene	15.13	128	912963	54.696	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	298864	51.658	ug/l	100

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

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