

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
 Data File : VN052738.D
 Acq On : 7 Dec 2018 20:17
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:51:28 PM

Quant Time: Dec 07 22:36:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	157257	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	905072	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	807491	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	314773	29.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.93%
60) 4-Bromofluorobenzene	12.40	95	376368	30.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.63%
63) Toluene-d8	10.09	98	1087132	29.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	152920	17.074 ug/l	100
3) Chloromethane	2.06	50	206112	17.352 ug/l	99
4) Vinyl Chloride	2.19	62	208363	17.380 ug/l	99
5) Bromomethane	2.58	94	73187	10.707 ug/l	96
6) Chloroethane	2.71	64	127842	17.932 ug/l	99
7) Trichlorofluoromethane	3.03	101	274762	18.571 ug/l	99
8) Diethyl Ether	3.41	74	110637	20.251 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	169077	18.027 ug/l	98
10) 1,1-Dichloroethene	3.74	96	167825	19.031 ug/l	100
11) Methyl Iodide	3.96	142	112349	9.176 ug/l	98
12) Methyl Acetate	4.33	43	164280	21.925 ug/l	99
13) Acrolein	3.61	56	22550	25.620 ug/l	93
14) Acrylonitrile	4.99	53	336979	105.551 ug/l	98
15) Acetone	3.81	58	81545	98.626 ug/l	95
16) Carbon Disulfide	4.06	76	476875	17.080 ug/l	100
17) Allyl chloride	4.33	41	285565	18.568 ug/l	99
18) Methylene Chloride	4.55	84	200694	19.655 ug/l	97
19) trans-1,2-Dichloroethene	5.05	96	179718	18.937 ug/l	94
20) Diisopropyl ether	5.95	45	622772	19.269 ug/l	97
21) 1,1-Dichloroethane	5.85	63	351494	19.082 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	210406	19.345 ug/l	97
23) tert-Butyl Alcohol	4.77	59	58553	123.288 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	492827	21.303 ug/l	97
25) Chloroform	7.37	83	339939	19.129 ug/l	97
26) Cyclohexane	7.65	56	308041	17.730 ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	259084	18.745 ug/l	99
30) 2-Butanone	6.83	43	388236	104.975 ug/l	98
31) 2,2-Dichloropropane	6.83	77	238783	18.766 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	280602	19.511 ug/l	97
33) Carbon Tetrachloride	7.78	117	234968	18.673 ug/l	99
34) Benzene	8.04	78	800022	19.252 ug/l	99
35) Methacrylonitrile	7.17	41	74772	16.295 ug/l	96
36) 1,2-Dichloroethane	8.12	62	248386	19.725 ug/l	99
37) Trichloroethene	8.84	130	214006	20.309 ug/l	97
38) Methylcyclohexane	9.08	83	303271	17.725 ug/l	97
39) 1,2-Dichloropropane	9.12	63	216841	19.467 ug/l	96
40) Dibromomethane	9.21	93	125211	20.801 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	251274	18.894	ug/l	99
42) Vinyl Acetate	5.90	43	1839104	91.907	ug/l	99
43) Ethyl Acetate	6.93	43	171271	21.779	ug/l #	68
44) Isopropyl Acetate	8.16	43	321415	23.304	ug/l #	82
45) 1,4-Dioxane	9.20	88	32775	434.378	ug/l	95
46) Methyl methacrylate	9.20	41	156695	21.881	ug/l	97
47) n-amyl Acetate	12.07	43	279429	24.435	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	250598	19.434	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	297141	18.913	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	176266	20.658	ug/l	99
51) Ethyl methacrylate	10.43	69	236195	22.041	ug/l	97
52) 1,3-Dichloropropane	10.71	76	308615	20.320	ug/l	99
53) Dibromochloromethane	10.90	129	183358	19.519	ug/l	98
54) 1,2-Dibromoethane	11.01	107	176065	21.117	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	691171	110.184	ug/l	99
56) Bromoform	12.13	173	117179	19.084	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	871680	111.348	ug/l	99
59) 2-Hexanone	10.75	43	591457	110.600	ug/l	97
61) Tetrachloroethene	10.63	164	234476	23.577	ug/l	95
62) Toluene	10.16	91	853150	19.166	ug/l	99
64) Chlorobenzene	11.43	112	532629	19.603	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	184824	19.597	ug/l	99
66) Ethyl Benzene	11.51	91	916793	19.109	ug/l	99
67) m/p-Xylenes	11.62	106	695446	38.908	ug/l	99
68) o-Xylene	11.95	106	342431	19.739	ug/l	98
69) Styrene	11.97	104	554007	19.785	ug/l	100
70) Isopropylbenzene	12.25	105	904171	19.588	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	206356	20.552	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	184657m	21.423	ug/l	
73) Bromobenzene	12.53	156	233245	20.893	ug/l	96
74) n-propylbenzene	12.59	91	1043072	19.395	ug/l	99
75) 2-Chlorotoluene	12.68	91	613431	19.650	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	742075	19.904	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	54256	19.926	ug/l	99
78) 4-Chlorotoluene	12.77	91	621965	19.951	ug/l	99
79) tert-butylbenzene	12.99	119	651233	20.057	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	750361	20.114	ug/l	99
81) sec-Butylbenzene	13.17	105	890504	19.691	ug/l	99
82) p-Isopropyltoluene	13.29	119	766902	19.915	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	409475	20.855	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	404929	21.346	ug/l	98
85) n-Butylbenzene	13.62	91	657814	19.886	ug/l	99
86) Hexachloroethane	13.88	117	110265	16.899	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	400630	21.442	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33427	23.766	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	243216	26.421	ug/l	99
90) Hexachlorobutadiene	15.01	225	127503	21.114	ug/l	99
91) Naphthalene	15.13	128	548323	29.497	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	226706	26.724	ug/l	97

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

