

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053097.D
 Acq On : 21 Dec 2018 11:38
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 10:06:21 AM

Quant Time: Dec 22 01:05:47 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	167738	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	991320	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	875183	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325137	28.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.83%
60) 4-Bromofluorobenzene	12.40	95	408769	30.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.83%
63) Toluene-d8	10.09	98	1154633	28.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.83%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	171354	17.937 ug/l	100
3) Chloromethane	2.06	50	228429	18.030 ug/l	99
4) Vinyl Chloride	2.19	62	236614	18.504 ug/l	97
5) Bromomethane	2.58	94	152595	20.929 ug/l	99
6) Chloroethane	2.71	64	147481	19.394 ug/l	100
7) Trichlorofluoromethane	3.02	101	305965	19.387 ug/l	99
8) Diethyl Ether	3.41	74	127349	21.854 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.77	101	196596	19.651 ug/l	96
10) 1,1-Dichloroethene	3.74	96	190376	20.239 ug/l	96
11) Methyl Iodide	3.96	142	249458	19.101 ug/l	98
12) Methyl Acetate	4.33	43	190476	23.833 ug/l	97
13) Acrolein	3.61	56	86288	91.911 ug/l	99
14) Acrylonitrile	4.99	53	395398	116.110 ug/l	97
15) Acetone	3.82	58	84173	95.444 ug/l	94
16) Carbon Disulfide	4.06	76	527525	17.714 ug/l	100
17) Allyl chloride	4.33	41	318721	19.429 ug/l	99
18) Methylene Chloride	4.56	84	227567	20.895 ug/l	91
19) trans-1,2-Dichloroethene	5.05	96	205381	20.289 ug/l	92
20) Diisopropyl ether	5.95	45	697156	20.223 ug/l	98
21) 1,1-Dichloroethane	5.85	63	394891	20.098 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	245014	21.119 ug/l	96
23) tert-Butyl Alcohol	4.78	59	77024	152.047 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	575600	23.326 ug/l	95
25) Chloroform	7.37	83	392388	20.701 ug/l	98
26) Cyclohexane	7.66	56	340082	18.352 ug/l #	96
29) 1,1-Dichloropropene	7.80	75	296095	19.559 ug/l	98
30) 2-Butanone	6.84	43	447550	110.484 ug/l	97
31) 2,2-Dichloropropane	6.83	77	292872	21.014 ug/l	99
32) 1,1,1-Trichloroethane	7.58	97	325778	20.682 ug/l	96
33) Carbon Tetrachloride	7.78	117	277229	20.114 ug/l	97
34) Benzene	8.05	78	920193	20.217 ug/l	96
35) Methacrylonitrile	7.18	41	106230	21.137 ug/l	95
36) 1,2-Dichloroethane	8.13	62	278806	20.215 ug/l	98
37) Trichloroethene	8.84	130	248966	21.572 ug/l	97
38) Methylcyclohexane	9.08	83	340204	18.154 ug/l	96
39) 1,2-Dichloropropane	9.12	63	244203	20.016 ug/l	100
40) Dibromomethane	9.21	93	143516	21.768 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	296046	20.324	ug/l	98
42) Vinyl Acetate	5.90	43	2163328	98.704	ug/l	97
43) Ethyl Acetate	6.93	43	200740	23.305	ug/l #	69
44) Isopropyl Acetate	8.17	43	373555	24.728	ug/l	99
45) 1,4-Dioxane	9.20	88	46010	556.733	ug/l	93
46) Methyl methacrylate	9.20	41	179309	22.861	ug/l	96
47) n-amyl Acetate	12.07	43	320189	25.563	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	304208	21.539	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	356281	20.705	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	208040	22.261	ug/l	99
51) Ethyl methacrylate	10.43	69	284307	24.222	ug/l	92
52) 1,3-Dichloropropane	10.71	76	356073	21.405	ug/l	100
53) Dibromochloromethane	10.90	129	227655	22.126	ug/l	99
54) 1,2-Dibromoethane	11.01	107	212663	23.287	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	755069	109.898	ug/l	98
56) Bromoform	12.13	173	156641	23.291	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	1020387	120.262	ug/l	97
59) 2-Hexanone	10.75	43	700860	120.921	ug/l	96
61) Tetrachloroethene	10.63	164	267604	24.827	ug/l	95
62) Toluene	10.16	91	989836	20.516	ug/l	99
64) Chlorobenzene	11.44	112	628299	21.336	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	219813	21.505	ug/l	99
66) Ethyl Benzene	11.51	91	1081447	20.798	ug/l	98
67) m/p-Xylenes	11.62	106	816281	42.137	ug/l	98
68) o-Xylene	11.95	106	402420	21.402	ug/l	99
69) Styrene	11.97	104	653656	21.538	ug/l	99
70) Isopropylbenzene	12.25	105	1060088	21.190	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	248713	22.854	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	205768m	22.026	ug/l	
73) Bromobenzene	12.53	156	272633	22.532	ug/l	95
74) n-propylbenzene	12.59	91	1184530	20.321	ug/l	99
75) 2-Chlorotoluene	12.68	91	714546	21.119	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	837150	20.717	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	69460	23.537	ug/l	98
78) 4-Chlorotoluene	12.77	91	713762	21.125	ug/l	100
79) tert-butylbenzene	12.99	119	745701	21.190	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	841911	20.822	ug/l	100
81) sec-Butylbenzene	13.17	105	976500	19.922	ug/l	100
82) p-Isopropyltoluene	13.29	119	842521	20.186	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	459972	21.615	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	448267	21.803	ug/l	99
85) n-Butylbenzene	13.62	91	655141	18.274	ug/l	98
86) Hexachloroethane	13.88	117	130719	18.484	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	441794	21.816	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	34784	22.818	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	212273	21.276	ug/l	99
90) Hexachlorobutadiene	15.01	225	131392	20.076	ug/l	99
91) Naphthalene	15.13	128	489908	24.316	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	198008	21.536	ug/l	100

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

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