

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
 Data File : VN053870.D
 Acq On : 20 Feb 2019 8:31
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 10:51:42 AM

Quant Time: Feb 21 03:16:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:05:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	588190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	902851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	293509	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	5462	1.069	ug/l	100
3) Chloromethane	2.06	50	6775	1.066	ug/l	94
4) Vinyl Chloride	2.19	62	6686	0.980	ug/l	100
5) Bromomethane	2.58	94	5648	1.131	ug/l	98
6) Chloroethane	2.71	64	4872	1.105	ug/l	92
7) Trichlorofluoromethane	3.02	101	10370	1.071	ug/l	95
8) Diethyl Ether	3.42	74	3233	0.950	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	6297	1.079	ug/l	99
12) 1,1-Dichloroethene	3.74	96	5541	1.015	ug/l #	93
14) Allyl chloride	4.33	41	7246	0.877	ug/l #	82
15) Acrylonitrile	5.00	53	7420	3.925	ug/l	97
16) Acetone	3.83	43	8381	5.070	ug/l	92
17) Carbon Disulfide	4.06	76	17385	1.028	ug/l	97
18) Methyl Acetate	4.34	43	4370m	1.156	ug/l	
19) Methyl tert-butyl Ether	5.05	73	11416	0.824	ug/l	95
20) Methylene Chloride	4.54	84	6381m	1.031	ug/l	
21) trans-1,2-Dichloroethene	5.04	96	5251m	0.917	ug/l	
22) Diisopropyl ether	5.95	45	11692	0.759	ug/l #	79
23) Vinyl Acetate	5.90	43	41622m	3.809	ug/l	
24) 1,1-Dichloroethane	5.85	63	10190	0.977	ug/l #	93
25) 2-Butanone	6.85	43	8921	4.182	ug/l	99
26) 2,2-Dichloropropane	6.82	77	7935	1.003	ug/l #	75
27) cis-1,2-Dichloroethene	6.83	96	5846	0.911	ug/l	66
28) Bromochloromethane	7.19	49	4176	0.918	ug/l #	99
29) Tetrahydrofuran	7.22	42	5715m	4.142	ug/l	
30) Chloroform	7.37	83	10290	0.982	ug/l	98
31) Cyclohexane	7.66	56	16092	1.480	ug/l #	20
32) 1,1,1-Trichloroethane	7.57	97	8969	1.001	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	8463	1.023	ug/l	91
37) Ethyl Acetate	6.94	43	2955	0.647	ug/l #	85
38) Carbon Tetrachloride	7.77	117	11524	1.303	ug/l #	89
39) Methylcyclohexane	9.08	83	8731	0.916	ug/l	98
40) Benzene	8.04	78	22402	0.916	ug/l	96
41) Methacrylonitrile	7.18	41	1607	0.551	ug/l #	100

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

42) 1,2-Dichloroethane	8.12	62	7012	0.961	ug/l	84
43) Isopropyl Acetate	8.18	43	9739	1.103	ug/l #	84
44) Trichloroethene	8.83	130	6581	0.961	ug/l	93
45) 1,2-Dichloropropane	9.11	63	6037	0.967	ug/l	98
46) Dibromomethane	9.21	93	3526	0.938	ug/l	94
47) Bromodichloromethane	9.40	83	7927	0.999	ug/l #	85
48) Methyl methacrylate	9.20	41	3239	0.798	ug/l	94
49) 1,4-Dioxane	9.21	88	699	12.488	ug/l	89
51) 4-Methyl-2-Pentanone	9.99	43	15634	3.810	ug/l	93
52) Toluene	10.16	92	13102	0.904	ug/l	91
53) t-1,3-Dichloropropene	10.38	75	6325	0.821	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	7308	0.805	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	4919	0.928	ug/l	91
56) Ethyl methacrylate	10.43	69	4317	0.724	ug/l	95
57) 1,3-Dichloropropane	10.71	76	7839	0.878	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	7755	2.967	ug/l	96
59) 2-Hexanone	10.76	43	11060	3.994	ug/l	87
60) Dibromochloromethane	10.90	129	5630	0.910	ug/l	97
61) 1,2-Dibromoethane	11.00	107	4833	0.918	ug/l	96
64) Tetrachloroethene	10.63	164	7424	1.086	ug/l	91
65) Chlorobenzene	11.43	112	16496	1.031	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	5358	0.918	ug/l #	65
67) Ethyl Benzene	11.51	91	23676	0.914	ug/l	96
68) m/p-Xylenes	11.62	106	17106	1.706	ug/l	97
69) o-Xylene	11.95	106	8222	0.852	ug/l	98
70) Styrene	11.96	104	11376	0.751	ug/l	95
71) Bromoform	12.13	173	3464	0.836	ug/l #	92
73) Isopropylbenzene	12.25	105	21442	1.037	ug/l	98
74) N-amyl acetate	12.07	43	4293	0.904	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.51	83	5435	1.112	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	5021m	1.310	ug/l	
77) Bromobenzene	12.53	156	5879	1.060	ug/l	94
78) n-propylbenzene	12.59	91	22169	0.959	ug/l	98
79) 2-Chlorotoluene	12.67	91	14302	1.026	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	15080	0.879	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	1272	0.975	ug/l #	78
82) 4-Chlorotoluene	12.77	91	13170	0.948	ug/l	97
83) tert-Butylbenzene	12.99	119	14522	0.942	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	14483	0.841	ug/l	96
85) sec-Butylbenzene	13.17	105	18822	0.907	ug/l	100
86) p-Isopropyltoluene	13.29	119	15177	0.843	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	9436	0.975	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	10289m	1.056	ug/l	
89) n-Butylbenzene	13.61	91	11423	0.771	ug/l	95
90) Hexachloroethane	13.88	117	3679	1.069	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	9569	1.008	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	604m	0.847	ug/l	
93) 1,2,4-Trichlorobenzene	14.91	180	2851	0.585	ug/l	95
94) Hexachlorobutadiene	15.01	225	4631	1.169	ug/l	94
95) Naphthalene	15.13	128	4144	0.455	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	2917	0.617	ug/l	99

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

