

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052826.D
 Acq On : 12 Dec 2018 14:45
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:07 PM

Quant Time: Dec 13 00:44:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 00:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	982056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1515996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1350161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	618777	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	207867	19.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.82%	
35) Dibromofluoromethane	7.59	113	162916	19.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.50%	
50) Toluene-d8	10.09	98	731472	19.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.88%	
62) 4-Bromofluorobenzene	12.40	95	243443	19.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	209316	20.705	ug/l	99
3) Chloromethane	2.06	50	247406	20.391	ug/l	99
4) Vinyl Chloride	2.19	62	250286	20.619	ug/l	99
5) Bromomethane	2.58	94	146846	19.614	ug/l	99
6) Chloroethane	2.71	64	146324	20.394	ug/l	99
7) Trichlorofluoromethane	3.02	101	307170	20.411	ug/l	98
8) Diethyl Ether	3.42	74	113449	20.666	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	191043	20.483	ug/l	98
10) Methyl Iodide	3.96	142	250938	19.211	ug/l	99
11) Tert butyl alcohol	4.78	59	55173	94.562	ug/l	98
12) 1,1-Dichloroethene	3.74	96	182933	20.261	ug/l	99
13) Acrolein	3.61	56	54747	99.662	ug/l	99
14) Allyl chloride	4.33	41	303024	20.547	ug/l	93
15) Acrylonitrile	4.99	53	337075	102.979	ug/l	98
16) Acetone	3.82	43	242299	103.316	ug/l	98
17) Carbon Disulfide	4.06	76	543206	19.584	ug/l	99
18) Methyl Acetate	4.33	43	170499	19.809	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	499328	20.371	ug/l	99
20) Methylene Chloride	4.55	84	213517	20.231	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	194639	19.898	ug/l	97
22) Diisopropyl ether	5.95	45	645102	20.504	ug/l	97
23) Vinyl Acetate	5.90	43	1911425	102.101	ug/l	99
24) 1,1-Dichloroethane	5.85	63	370409	20.416	ug/l	98
25) 2-Butanone	6.84	43	365087	100.328	ug/l	100
26) 2,2-Dichloropropane	6.83	77	266349	19.935	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	222590	20.049	ug/l	99
28) Bromochloromethane	7.19	49	160874	19.746	ug/l	98
29) Tetrahydrofuran	7.21	42	253810	102.168	ug/l	99
30) Chloroform	7.37	83	359189	20.302	ug/l	99
31) Cyclohexane	7.66	56	357685	17.682	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	302380	20.427	ug/l	99
36) 1,1-Dichloropropene	7.80	75	283679	20.320	ug/l	99
37) Ethyl Acetate	6.93	43	170299	20.306	ug/l	100
38) Carbon Tetrachloride	7.78	117	261345	20.338	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	339975	19.845	ug/l	99
40) Benzene	8.04	78	856050	20.431	ug/l	98
41) Methacrylonitrile	7.17	41	95807	20.618	ug/l	94
42) 1,2-Dichloroethane	8.13	62	256622	20.344	ug/l	98
43) Isopropyl Acetate	8.17	43	321822	18.716	ug/l	99
44) Trichloroethene	8.84	130	229110	20.244	ug/l	99
45) 1,2-Dichloropropane	9.12	63	224702	20.475	ug/l	100
46) Dibromomethane	9.21	93	128522	20.193	ug/l	99
47) Bromodichloromethane	9.40	83	267409	20.261	ug/l	99
48) Methyl methacrylate	9.20	41	154361	20.471	ug/l	100
49) 1,4-Dioxane	9.20	88	34681	405.191	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	815503	103.432	ug/l	100
52) Toluene	10.16	92	520649	20.516	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	265329	19.978	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	318463	20.122	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	184075	20.320	ug/l	99
56) Ethyl methacrylate	10.43	69	235319	20.241	ug/l	99
57) 1,3-Dichloropropane	10.71	76	315783	20.328	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	659276	101.632	ug/l	100
59) 2-Hexanone	10.75	43	559650	103.575	ug/l	99
60) Dibromochloromethane	10.90	129	198211	20.245	ug/l	99
61) 1,2-Dibromoethane	11.01	107	181966	20.321	ug/l	100
64) Tetrachloroethene	10.63	164	240793	20.750	ug/l	99
65) Chlorobenzene	11.44	112	567539	20.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	192911	19.802	ug/l	98
67) Ethyl Benzene	11.51	91	981878	20.412	ug/l	100
68) m/p-Xylenes	11.62	106	742180	41.090	ug/l	100
69) o-Xylene	11.95	106	359926	20.407	ug/l	99
70) Styrene	11.96	104	581543	20.511	ug/l	99
71) Bromoform	12.13	173	131718	19.902	ug/l	99
73) Isopropylbenzene	12.25	105	952225	20.611	ug/l	100
74) N-amyl acetate	12.07	43	253656	19.998	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	208913	20.177	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	184800m	17.906	ug/l	
77) Bromobenzene	12.53	156	240982	20.508	ug/l	99
78) n-propylbenzene	12.59	91	1086460	20.620	ug/l	100
79) 2-Chlorotoluene	12.67	91	646276	20.747	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	781312	20.949	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55292	19.456	ug/l	98
82) 4-Chlorotoluene	12.77	91	650298	20.418	ug/l	99
83) tert-Butylbenzene	12.99	119	679141	20.643	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	787484	20.857	ug/l	100
85) sec-Butylbenzene	13.17	105	921417	20.681	ug/l	100
86) p-Isopropyltoluene	13.29	119	794946	20.594	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	422152	20.216	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	415004	20.068	ug/l	99
89) n-Butylbenzene	13.62	91	655871	20.183	ug/l	99
90) Hexachloroethane	13.88	117	126007	19.495	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	408170	20.320	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31838	20.399	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	216099	19.791	ug/l	100
94) Hexachlorobutadiene	15.01	225	126900	20.079	ug/l	99
95) Naphthalene	15.13	128	449727	19.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	200761	20.038	ug/l	100

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

