

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051338.D
 Acq On : 20 Sep 2018 14:17
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:10 PM

Quant Time: Sep 21 04:08:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	683411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	917285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	846707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	436208	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	143358	19.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.70%	
35) Dibromofluoromethane	7.59	113	143334	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
50) Toluene-d8	10.09	98	541492	19.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.00%	
62) 4-Bromofluorobenzene	12.40	95	172405	18.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.20%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	110177	19.292	ug/l 96
3) Chloromethane	2.06	50	144451	17.829	ug/l 99
4) Vinyl Chloride	2.18	62	155292	19.291	ug/l 98
5) Bromomethane	2.57	94	105184	18.732	ug/l 99
6) Chloroethane	2.71	64	96094	19.424	ug/l 100
7) Trichlorofluoromethane	3.02	101	223643	19.433	ug/l 97
8) Diethyl Ether	3.41	74	70101	19.037	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135079	19.129	ug/l 99
10) Methyl Iodide	3.95	142	195163	18.674	ug/l 99
11) Tert butyl alcohol	4.79	59	37587	95.714	ug/l 99
12) 1,1-Dichloroethene	3.74	96	121164	18.954	ug/l 99
13) Acrolein	3.61	56	44653	99.348	ug/l 100
14) Allyl chloride	4.33	41	169995	18.867	ug/l 99
15) Acrylonitrile	5.00	53	191710	96.332	ug/l 99
16) Acetone	3.82	43	130936	86.051	ug/l 99
17) Carbon Disulfide	4.05	76	361727	18.779	ug/l 99
18) Methyl Acetate	4.33	43	88208	16.870	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	300776	19.441	ug/l 99
20) Methylene Chloride	4.55	84	145881	19.160	ug/l 97
21) trans-1,2-Dichloroethene	5.05	96	131026	19.407	ug/l 95
22) Diisopropyl ether	5.95	45	365938	20.560	ug/l 95
23) Vinyl Acetate	5.90	43	1151119	99.989	ug/l 99
24) 1,1-Dichloroethane	5.85	63	232599	19.172	ug/l 99
25) 2-Butanone	6.84	43	201990	95.442	ug/l 96
26) 2,2-Dichloropropane	6.83	77	191264	19.078	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	145869	19.497	ug/l 99
28) Bromochloromethane	7.20	49	101209	20.127	ug/l 99
29) Tetrahydrofuran	7.21	42	133198	99.342	ug/l 99
30) Chloroform	7.37	83	246304	19.317	ug/l 98
31) Cyclohexane	7.65	56	205284	17.197	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	214475	19.523	ug/l 100
36) 1,1-Dichloropropene	7.80	75	180372	19.224	ug/l 99
37) Ethyl Acetate	6.93	43	93377	20.102	ug/l 98
38) Carbon Tetrachloride	7.78	117	195304	19.241	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	207358	18.936	ug/l	97
40) Benzene	8.04	78	559183	19.779	ug/l	98
41) Methacrylonitrile	7.17	41	48863	20.192	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	167340	19.594	ug/l	100
43) Isopropyl Acetate	8.17	43	167326	20.569	ug/l	97
44) Trichloroethene	8.84	130	155580	19.170	ug/l	100
45) 1,2-Dichloropropane	9.12	63	142697	19.725	ug/l	99
46) Dibromomethane	9.21	93	88729	19.896	ug/l	99
47) Bromodichloromethane	9.40	83	186983	19.656	ug/l	99
48) Methyl methacrylate	9.20	41	76717	18.498	ug/l	96
49) 1,4-Dioxane	9.20	88	25120	409.578	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	451322	103.139	ug/l	99
52) Toluene	10.16	92	353804	20.324	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	175669	19.234	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	210633	19.917	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	127416	19.513	ug/l	98
56) Ethyl methacrylate	10.43	69	138109	20.025	ug/l	99
57) 1,3-Dichloropropane	10.71	76	203373	19.773	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	353089	104.124	ug/l	98
59) 2-Hexanone	10.75	43	290023	98.308	ug/l	98
60) Dibromochloromethane	10.90	129	147121	19.321	ug/l	99
61) 1,2-Dibromoethane	11.00	107	121249	19.314	ug/l	96
64) Tetrachloroethene	10.63	164	147210	19.938	ug/l	99
65) Chlorobenzene	11.43	112	393901	19.472	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148436	19.275	ug/l	99
67) Ethyl Benzene	11.51	91	621729	19.647	ug/l	100
68) m/p-Xylenes	11.62	106	503877	40.529	ug/l	98
69) o-Xylene	11.95	106	240485	20.065	ug/l	98
70) Styrene	11.96	104	380670	20.463	ug/l	100
71) Bromoform	12.13	173	102594	19.630	ug/l #	100
73) Isopropylbenzene	12.25	105	636679	19.915	ug/l	100
74) N-amyl acetate	12.07	43	131013	19.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	150045	19.018	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	128691m	20.430	ug/l	
77) Bromobenzene	12.53	156	171112	19.372	ug/l	99
78) n-propylbenzene	12.59	91	696437	19.982	ug/l	99
79) 2-Chlorotoluene	12.67	91	426775	19.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	539637	20.822	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37003	20.336	ug/l	99
82) 4-Chlorotoluene	12.77	91	422133	20.220	ug/l	100
83) tert-Butylbenzene	12.99	119	467289	20.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	543695	21.137	ug/l	99
85) sec-Butylbenzene	13.17	105	631051	20.456	ug/l	99
86) p-Isopropyltoluene	13.29	119	550924	20.521	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	285502	19.230	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	275911	19.171	ug/l	99
89) n-Butylbenzene	13.61	91	399904	19.161	ug/l	98
90) Hexachloroethane	13.87	117	105792	18.400	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	282036	19.665	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19786	18.935	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	121848	18.533	ug/l	98
94) Hexachlorobutadiene	15.01	225	105496	18.953	ug/l	99
95) Naphthalene	15.13	128	200323	17.284	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	125437	19.176	ug/l	100

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

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