

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052059.D
 Acq On : 30 Oct 2018 11:12
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:48:01 AM

Quant Time: Oct 31 02:41:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:21:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	277483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	535293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	422927	96.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.66%	
35) Dibromofluoromethane	7.59	113	328019	102.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.48%	
50) Toluene-d8	10.09	98	1327134	101.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.40%	
62) 4-Bromofluorobenzene	12.40	95	498536	102.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	361983	113.087	ug/l	98
3) Chloromethane	2.06	50	428905	106.772	ug/l	99
4) Vinyl Chloride	2.19	62	436954	98.345	ug/l	97
5) Bromomethane	2.56	94	304815	85.041	ug/l	94
6) Chloroethane	2.71	64	275714	95.711	ug/l	94
7) Trichlorofluoromethane	3.02	101	516100	102.991	ug/l	98
8) Diethyl Ether	3.41	74	191411	102.646	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	302036	105.741	ug/l	99
10) Methyl Iodide	3.96	142	419644	102.417	ug/l	99
11) Tert butyl alcohol	4.78	59	104978	529.814	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	290535	106.952	ug/l	96
13) Acrolein	3.61	56	119767	563.534	ug/l	94
14) Allyl chloride	4.33	41	594440	107.289	ug/l	99
15) Acrylonitrile	4.99	53	634780	537.220	ug/l	99
16) Acetone	3.82	43	446540	458.576	ug/l	99
17) Carbon Disulfide	4.06	76	944160	106.779	ug/l	100
18) Methyl Acetate	4.32	43	275062	90.919	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	969173	106.694	ug/l	97
20) Methylene Chloride	4.55	84	361830	108.031	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	335435	108.818	ug/l	94
22) Diisopropyl ether	5.95	45	1235342	99.894	ug/l	96
23) Vinyl Acetate	5.90	43	4488709	548.752	ug/l	99
24) 1,1-Dichloroethane	5.85	63	699550	102.737	ug/l	99
25) 2-Butanone	6.83	43	739332	537.652	ug/l	96
26) 2,2-Dichloropropane	6.83	77	564230	101.511	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	400270	104.766	ug/l	99
28) Bromochloromethane	7.20	49	319482	85.688	ug/l	94
29) Tetrahydrofuran	7.21	42	494713	504.247	ug/l	97
30) Chloroform	7.37	83	702592	101.100	ug/l	97
31) Cyclohexane	7.66	56	649097	60.074	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	597692	113.163	ug/l	99
36) 1,1-Dichloropropene	7.80	75	540125	101.614	ug/l	98
37) Ethyl Acetate	6.93	43	340865	107.566	ug/l	98
38) Carbon Tetrachloride	7.77	117	504786	114.368	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	650471	102.527	ug/l	99
40) Benzene	8.04	78	1568325	104.320	ug/l	98
41) Methacrylonitrile	7.18	41	193825m	159.366	ug/l	
42) 1,2-Dichloroethane	8.13	62	544681	91.272	ug/l	100
43) Isopropyl Acetate	8.16	43	640102	104.343	ug/l	98
44) Trichloroethene	8.83	130	364340	110.079	ug/l	96
45) 1,2-Dichloropropane	9.12	63	425928	93.620	ug/l	98
46) Dibromomethane	9.21	93	258022	111.143	ug/l	97
47) Bromodichloromethane	9.40	83	546318	112.723	ug/l	98
48) Methyl methacrylate	9.20	41	325918	105.112	ug/l	99
49) 1,4-Dioxane	9.20	88	52208	3391.873	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1748396	525.740	ug/l	100
52) Toluene	10.16	92	987850	109.434	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	591036	113.896	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	658426	117.025	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	339719	105.198	ug/l	98
56) Ethyl methacrylate	10.43	69	503622	106.588	ug/l	97
57) 1,3-Dichloropropane	10.71	76	617568	103.948	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1308021	540.363	ug/l	99
59) 2-Hexanone	10.75	43	1215323	508.845	ug/l	98
60) Dibromochloromethane	10.90	129	370363	120.627	ug/l	98
61) 1,2-Dibromoethane	11.00	107	352559	109.996	ug/l	100
64) Tetrachloroethene	10.63	164	296412	103.535	ug/l	98
65) Chlorobenzene	11.43	112	1063878	104.166	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	353990	113.623	ug/l	99
67) Ethyl Benzene	11.51	91	1914733	107.025	ug/l	99
68) m/p-Xylenes	11.62	106	1421131	228.866	ug/l	99
69) o-Xylene	11.95	106	692179	114.277	ug/l	99
70) Styrene	11.96	104	1142312	114.382	ug/l	99
71) Bromoform	12.13	173	216711	130.696	ug/l #	99
73) Isopropylbenzene	12.25	105	1875789	107.204	ug/l	100
74) N-amyl acetate	12.07	43	626592	94.232	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	433005	98.178	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	369592m	98.297	ug/l	
77) Bromobenzene	12.53	156	389816	102.760	ug/l	96
78) n-propylbenzene	12.59	91	2263999	102.943	ug/l	100
79) 2-Chlorotoluene	12.67	91	1307296	105.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1531247	105.313	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	140400	121.849	ug/l	92
82) 4-Chlorotoluene	12.77	91	1364669	109.194	ug/l	100
83) tert-Butylbenzene	12.99	119	1269250	102.581	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1516389	106.680	ug/l	99
85) sec-Butylbenzene	13.17	105	1833901	104.783	ug/l	100
86) p-Isopropyltoluene	13.29	119	1505098	106.026	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	706676	101.909	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	707507	100.243	ug/l	99
89) n-Butylbenzene	13.61	91	1433300	104.506	ug/l	98
90) Hexachloroethane	13.87	117	267140	107.954	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	664934	104.609	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64883	160.909	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	267615	116.614	ug/l	99
94) Hexachlorobutadiene	15.01	225	134908	100.375	ug/l	96
95) Naphthalene	15.13	128	678011	111.453	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	224613	107.785	ug/l	96

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

