

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051719.D
 Acq On : 8 Oct 2018 8:18
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:34 AM

Quant Time: Oct 09 04:11:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	672249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1007429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	996921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	562818	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	438655	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	7.59	113	394186	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	1535996	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	12.40	95	562123	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	417604	49.679	ug/l	100
3) Chloromethane	2.06	50	366968	47.833	ug/l	99
4) Vinyl Chloride	2.18	62	563909	46.662	ug/l	99
5) Bromomethane	2.56	94	388567	41.810	ug/l	99
6) Chloroethane	2.70	64	371428	45.730	ug/l	100
7) Trichlorofluoromethane	3.01	101	682556	54.368	ug/l	98
8) Diethyl Ether	3.41	74	171838	48.795	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	345150	51.385	ug/l	99
10) Methyl Iodide	3.95	142	390715	44.275	ug/l	99
11) Tert butyl alcohol	4.79	59	136915	226.851	ug/l	97
12) 1,1-Dichloroethene	3.73	96	305587	48.812	ug/l	97
13) Acrolein	3.61	56	73850	195.855	ug/l	98
14) Allyl chloride	4.32	41	452211	47.360	ug/l	98
15) Acrylonitrile	4.99	53	488178	234.396	ug/l	99
16) Acetone	3.81	43	416267	282.600	ug/l	100
17) Carbon Disulfide	4.05	76	874751	45.968	ug/l	99
18) Methyl Acetate	4.33	43	244154	49.809	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	974679	47.167	ug/l	99
20) Methylene Chloride	4.55	84	345879	47.338	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	349621	47.127	ug/l	97
22) Diisopropyl ether	5.95	45	962969	47.047	ug/l	98
23) Vinyl Acetate	5.90	43	3508757	233.143	ug/l	99
24) 1,1-Dichloroethane	5.85	63	620328	47.124	ug/l	99
25) 2-Butanone	6.84	43	619984	241.764	ug/l	100
26) 2,2-Dichloropropane	6.82	77	646179	48.984	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	411166	47.743	ug/l	97
28) Bromochloromethane	7.19	49	260247	44.656	ug/l	95
29) Tetrahydrofuran	7.21	42	371462	236.043	ug/l	98
30) Chloroform	7.37	83	706993	47.802	ug/l	96
31) Cyclohexane	7.65	56	561098	46.543	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	692646	48.316	ug/l	98
36) 1,1-Dichloropropene	7.79	75	524836	49.841	ug/l	99
37) Ethyl Acetate	6.93	43	273144	49.735	ug/l	99
38) Carbon Tetrachloride	7.77	117	638764	50.553	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	697704	52.784	ug/l	98
40) Benzene	8.04	78	1577011	50.519	ug/l	99
41) Methacrylonitrile	7.17	41	133874m	47.294	ug/l	
42) 1,2-Dichloroethane	8.12	62	521080	49.532	ug/l	100
43) Isopropyl Acetate	8.16	43	561386	49.028	ug/l #	87
44) Trichloroethene	8.83	130	453254	51.137	ug/l	99
45) 1,2-Dichloropropane	9.12	63	380214	49.264	ug/l	99
46) Dibromomethane	9.21	93	269687	50.272	ug/l	100
47) Bromodichloromethane	9.40	83	596890	50.544	ug/l	98
48) Methyl methacrylate	9.20	41	251810	48.127	ug/l	98
49) 1,4-Dioxane	9.20	88	76178	970.978	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1433019	246.978	ug/l	99
52) Toluene	10.16	92	1106697	53.304	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	624036	51.211	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	651376	50.338	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	382019	51.651	ug/l	99
56) Ethyl methacrylate	10.43	69	486826	52.049	ug/l	96
57) 1,3-Dichloropropane	10.71	76	600743	51.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1014032	261.957	ug/l	98
59) 2-Hexanone	10.75	43	994456	252.370	ug/l	100
60) Dibromochloromethane	10.90	129	514635	53.170	ug/l	99
61) 1,2-Dibromoethane	11.00	107	405560	51.870	ug/l	98
64) Tetrachloroethene	10.63	164	453727	51.587	ug/l	98
65) Chlorobenzene	11.43	112	1244581	50.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	502188	50.797	ug/l	99
67) Ethyl Benzene	11.51	91	2177662	51.028	ug/l	99
68) m/p-Xylenes	11.62	106	1773733	103.877	ug/l	99
69) o-Xylene	11.95	106	863863	51.587	ug/l	99
70) Styrene	11.96	104	1370543	51.363	ug/l	99
71) Bromoform	12.13	173	369173	50.205	ug/l	98
73) Isopropylbenzene	12.25	105	2332908	48.626	ug/l	100
74) N-amyl acetate	12.07	43	473168	47.558	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	469270	50.485	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	381025m	54.886	ug/l	
77) Bromobenzene	12.53	156	570829	48.660	ug/l	96
78) n-propylbenzene	12.59	91	2560591	48.933	ug/l	100
79) 2-Chlorotoluene	12.67	91	1493040	48.412	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1979493	48.959	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	142445	46.523	ug/l	100
82) 4-Chlorotoluene	12.77	91	1504791	48.571	ug/l	98
83) tert-Butylbenzene	12.99	119	1778875	49.101	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2006882	49.555	ug/l	99
85) sec-Butylbenzene	13.17	105	2409835	50.286	ug/l	100
86) p-Isopropyltoluene	13.29	119	2159459	50.830	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1054413	51.583	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1018039	50.598	ug/l	100
89) n-Butylbenzene	13.62	91	1728320	51.452	ug/l	100
90) Hexachloroethane	13.87	117	423715	49.988	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1020951	50.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79331	47.071	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	470179	51.998	ug/l	100
94) Hexachlorobutadiene	15.01	225	310199	50.562	ug/l	99
95) Naphthalene	15.13	128	926341	47.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	444649	49.930	ug/l	99

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

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