

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053720.D
 Acq On : 12 Feb 2019 10:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:16:05 PM

Quant Time: Feb 13 04:33:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	754190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1106907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	973596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	472795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	380470	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	7.59	113	366491	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.09	98	1366100	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.40	95	456524	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	396712	46.681	ug/l	99
3) Chloromethane	2.06	50	422814	47.222	ug/l	98
4) Vinyl Chloride	2.19	62	420666	48.398	ug/l	100
5) Bromomethane	2.57	94	279096	49.110	ug/l	97
6) Chloroethane	2.71	64	266313	53.617	ug/l	99
7) Trichlorofluoromethane	3.02	101	626692	53.169	ug/l	99
8) Diethyl Ether	3.41	74	228052	52.979	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	394030	54.054	ug/l	98
10) Methyl Iodide	3.96	142	531834	46.483	ug/l	99
11) Tert butyl alcohol	4.78	59	135787	303.249	ug/l	99
12) 1,1-Dichloroethene	3.74	96	363717	52.079	ug/l	97
13) Acrolein	3.61	56	63144	259.006	ug/l	99
14) Allyl chloride	4.33	41	582961	52.425	ug/l	99
15) Acrylonitrile	4.99	53	658774	272.524	ug/l	99
16) Acetone	3.81	43	625862	322.494	ug/l	99
17) Carbon Disulfide	4.06	76	1007413	46.325	ug/l	100
18) Methyl Acetate	4.32	43	348342	60.609	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	949309	53.619	ug/l	98
20) Methylene Chloride	4.55	84	414471	50.905	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	364628	48.393	ug/l	98
22) Diisopropyl ether	5.95	45	1089983	52.900	ug/l	97
23) Vinyl Acetate	5.90	43	3771521	264.597	ug/l	99
24) 1,1-Dichloroethane	5.85	63	675897	49.181	ug/l	99
25) 2-Butanone	6.83	43	776232	280.445	ug/l	100
26) 2,2-Dichloropropane	6.82	77	524646	50.010	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	427277	50.998	ug/l	97
28) Bromochloromethane	7.19	49	301312	50.523	ug/l	96
29) Tetrahydrofuran	7.21	42	485136	272.959	ug/l	98
30) Chloroform	7.37	83	677068	49.699	ug/l	100
31) Cyclohexane	7.65	56	600945	46.956	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	571816	50.436	ug/l	99
36) 1,1-Dichloropropene	7.79	75	515295	51.643	ug/l	99
37) Ethyl Acetate	6.93	43	323105	57.979	ug/l	99
38) Carbon Tetrachloride	7.77	117	511864	50.922	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	607947	51.356	ug/l	99
40) Benzene	8.04	78	1561264	50.740	ug/l	100
41) Methacrylonitrile	7.17	41	188512	60.525	ug/l	94
42) 1,2-Dichloroethane	8.12	62	467659	51.187	ug/l	99
43) Isopropyl Acetate	8.16	43	558168	51.863	ug/l	100
44) Trichloroethene	8.83	130	439505	50.172	ug/l	99
45) 1,2-Dichloropropane	9.12	63	413290	52.514	ug/l	99
46) Dibromomethane	9.21	93	246497	51.957	ug/l	97
47) Bromodichloromethane	9.40	83	519228	52.638	ug/l	98
48) Methyl methacrylate	9.20	41	269071	52.376	ug/l	93
49) 1,4-Dioxane	9.20	88	85966	1148.794	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	1481065	280.049	ug/l	99
52) Toluene	10.16	92	951021	52.077	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	530238	53.682	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	615392	52.576	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	355875	54.081	ug/l	99
56) Ethyl methacrylate	10.43	69	429511	55.174	ug/l	99
57) 1,3-Dichloropropane	10.71	76	588645	52.341	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1038872	216.298	ug/l	98
59) 2-Hexanone	10.75	43	984918	274.329	ug/l	99
60) Dibromochloromethane	10.90	129	401915	54.162	ug/l	99
61) 1,2-Dibromoethane	11.00	107	339622	52.144	ug/l	100
64) Tetrachloroethene	10.63	164	428461	51.338	ug/l	98
65) Chlorobenzene	11.43	112	1057481	51.135	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	385233	53.339	ug/l	99
67) Ethyl Benzene	11.51	91	1769195	52.079	ug/l	99
68) m/p-Xylenes	11.62	106	1379421	106.391	ug/l	99
69) o-Xylene	11.95	106	666082	53.176	ug/l	99
70) Styrene	11.96	104	1095877	53.978	ug/l	99
71) Bromoform	12.13	173	281282	56.808	ug/l #	100
73) Isopropylbenzene	12.25	105	1754831	52.798	ug/l	100
74) N-amyl acetate	12.07	43	446643	55.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	417022	52.426	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	343283m	56.528	ug/l	
77) Bromobenzene	12.53	156	460032	51.357	ug/l	99
78) n-propylbenzene	12.59	91	2052537	53.421	ug/l	100
79) 2-Chlorotoluene	12.67	91	1198347	52.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1517774	55.069	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	118095	54.683	ug/l	100
82) 4-Chlorotoluene	12.77	91	1214122	51.906	ug/l	99
83) tert-Butylbenzene	12.99	119	1321731	54.260	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1547004	55.093	ug/l	99
85) sec-Butylbenzene	13.17	105	1804517	54.437	ug/l	99
86) p-Isopropyltoluene	13.29	119	1599651	55.177	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	827633	51.397	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	820023	51.481	ug/l	99
89) n-Butylbenzene	13.62	91	1372847	54.709	ug/l	100
90) Hexachloroethane	13.88	117	263689	55.142	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	814051	52.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62003	54.694	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	483403	54.675	ug/l	100
94) Hexachlorobutadiene	15.01	225	297389	54.011	ug/l	99
95) Naphthalene	15.13	128	989815	47.739	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	453665	55.300	ug/l	100

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

