

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053767.D
 Acq On : 13 Feb 2019 20:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:39:18 AM

Quant Time: Feb 14 01:28:36 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	634516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	986358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	864098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	439199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	326165	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.59	113	312651	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.09	98	1133993	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.40	95	410501	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314018	43.939	ug/l	100
3) Chloromethane	2.06	50	361620	48.005	ug/l	100
4) Vinyl Chloride	2.19	62	381373	52.153	ug/l	99
5) Bromomethane	2.57	94	251905	52.685	ug/l	100
6) Chloroethane	2.71	64	228477	54.675	ug/l	99
7) Trichlorofluoromethane	3.02	101	522765	52.717	ug/l	100
8) Diethyl Ether	3.41	74	185847	51.317	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	295215	48.137	ug/l	97
10) Methyl Iodide	3.96	142	453061	47.067	ug/l	99
11) Tert butyl alcohol	4.78	59	115379	306.272	ug/l	100
12) 1,1-Dichloroethene	3.74	96	286102	48.692	ug/l	99
13) Acrolein	3.61	56	45130	220.030	ug/l	97
14) Allyl chloride	4.33	41	461102	49.287	ug/l	99
15) Acrylonitrile	4.99	53	584519	287.412	ug/l	99
16) Acetone	3.82	43	398090	243.816	ug/l	98
17) Carbon Disulfide	4.06	76	779670	42.614	ug/l	98
18) Methyl Acetate	4.32	43	295337	61.078	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	829950	55.719	ug/l	99
20) Methylene Chloride	4.55	84	337995	49.342	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	305990	48.270	ug/l	98
22) Diisopropyl ether	5.95	45	940402	54.249	ug/l	100
23) Vinyl Acetate	5.90	43	3211317	267.787	ug/l	98
24) 1,1-Dichloroethane	5.85	63	585495	50.639	ug/l	99
25) 2-Butanone	6.83	43	632786	271.739	ug/l	99
26) 2,2-Dichloropropane	6.82	77	397527	45.039	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	360016	51.074	ug/l	98
28) Bromochloromethane	7.19	49	266775	53.168	ug/l	95
29) Tetrahydrofuran	7.21	42	429431	287.187	ug/l	98
30) Chloroform	7.37	83	586265	51.150	ug/l	99
31) Cyclohexane	7.65	56	495552	46.020	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	490452	51.418	ug/l	99
36) 1,1-Dichloropropene	7.79	75	426047	47.917	ug/l	99
37) Ethyl Acetate	6.93	43	274630	55.303	ug/l	98
38) Carbon Tetrachloride	7.77	117	437538	48.848	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	480690	45.569	ug/l	99
40) Benzene	8.04	78	1335495	48.707	ug/l	99
41) Methacrylonitrile	7.17	41	151861	54.716	ug/l	92
42) 1,2-Dichloroethane	8.12	62	400407	49.183	ug/l	99
43) Isopropyl Acetate	8.16	43	507108	52.878	ug/l	99
44) Trichloroethene	8.83	130	368847	47.252	ug/l	99
45) 1,2-Dichloropropane	9.12	63	359239	51.225	ug/l	98
46) Dibromomethane	9.21	93	212060	50.161	ug/l	98
47) Bromodichloromethane	9.40	83	448061	50.975	ug/l	100
48) Methyl methacrylate	9.20	41	232796	50.853	ug/l	91
49) 1,4-Dioxane	9.20	88	75169	1128.010	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	1342417	284.855	ug/l	100
52) Toluene	10.16	92	808685	49.695	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	451561	51.303	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	521565	50.006	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	306217	52.222	ug/l	99
56) Ethyl methacrylate	10.43	69	381459	54.990	ug/l	98
57) 1,3-Dichloropropane	10.71	76	511141	51.004	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	901758	210.904	ug/l	98
59) 2-Hexanone	10.75	43	861362	269.237	ug/l	100
60) Dibromochloromethane	10.90	129	351591	53.171	ug/l	100
61) 1,2-Dibromoethane	11.00	107	299279	51.566	ug/l	99
64) Tetrachloroethene	10.63	164	358045	48.337	ug/l	99
65) Chlorobenzene	11.43	112	898334	48.944	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	335757	52.380	ug/l	99
67) Ethyl Benzene	11.51	91	1488611	49.373	ug/l	100
68) m/p-Xylenes	11.62	106	1163224	101.085	ug/l	99
69) o-Xylene	11.95	106	568403	51.128	ug/l	98
70) Styrene	11.96	104	930073	51.616	ug/l	100
71) Bromoform	12.13	173	247488	56.317	ug/l #	99
73) Isopropylbenzene	12.25	105	1529652	49.543	ug/l	100
74) N-amyl acetate	12.07	43	392379	52.850	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	398383	53.914	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	327158m	57.994	ug/l	
77) Bromobenzene	12.53	156	429561	51.623	ug/l	98
78) n-propylbenzene	12.59	91	1827377	51.199	ug/l	100
79) 2-Chlorotoluene	12.67	91	1085266	51.251	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1367058	53.394	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105964	52.819	ug/l	99
82) 4-Chlorotoluene	12.77	91	1094546	50.373	ug/l	99
83) tert-Butylbenzene	12.99	119	1204237	53.218	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1385191	53.104	ug/l	100
85) sec-Butylbenzene	13.17	105	1608326	52.230	ug/l	100
86) p-Isopropyltoluene	13.29	119	1397840	51.904	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	732886	48.995	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	724087	48.936	ug/l	99
89) n-Butylbenzene	13.62	91	1144677	49.105	ug/l	100
90) Hexachloroethane	13.87	117	236715	53.288	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	719333	50.232	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58660	55.703	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399145	48.598	ug/l	99
94) Hexachlorobutadiene	15.01	225	251689	49.208	ug/l	98
95) Naphthalene	15.13	128	834760	43.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	375196	49.233	ug/l	100

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

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