

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056781.D
 Acq On : 16 Jul 2019 20:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 4:57:37 PM

Quant Time: Jul 17 03:41:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	316120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	493372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202054	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	176415	50.45	ug/l	0.00
Spiked Amount						
			Recovery	=	100.90%	
35) Dibromofluoromethane	7.59	113	155634	50.69	ug/l	0.00
Spiked Amount						
			Recovery	=	101.38%	
50) Toluene-d8	10.09	98	594298	50.12	ug/l	0.00
Spiked Amount						
			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	203026	50.77	ug/l	0.00
Spiked Amount						
			Recovery	=	101.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	137350	46.272	ug/l	98
3) Chloromethane	2.06	50	186420	46.712	ug/l	99
4) Vinyl Chloride	2.18	62	181498	47.227	ug/l	99
5) Bromomethane	2.55	94	108287	47.915	ug/l	98
6) Chloroethane	2.69	64	104746	46.773	ug/l	96
7) Trichlorofluoromethane	3.01	101	235989	47.856	ug/l	98
8) Diethyl Ether	3.41	74	96733	50.315	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	144773	48.866	ug/l	100
10) Methyl Iodide	3.95	142	205681	51.904	ug/l	99
11) Tert butyl alcohol	4.79	59	152550	262.100	ug/l	98
12) 1,1-Dichloroethene	3.73	96	144850	48.743	ug/l	98
13) Acrolein	3.61	56	48940	246.349	ug/l	99
14) Allyl chloride	4.32	41	249935	48.633	ug/l	99
15) Acrylonitrile	4.99	53	429974	255.813	ug/l	100
16) Acetone	3.82	43	336989	209.131	ug/l	99
17) Carbon Disulfide	4.05	76	356913	45.450	ug/l	99
18) Methyl Acetate	4.32	43	187075	51.725	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	471753	49.823	ug/l	100
20) Methylene Chloride	4.55	84	171757	48.776	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	155995	49.660	ug/l	96
22) Diisopropyl ether	5.95	45	515235	50.792	ug/l	97
23) Vinyl Acetate	5.90	43	2169354	263.906	ug/l	100
24) 1,1-Dichloroethane	5.85	63	292524	49.738	ug/l	99
25) 2-Butanone	6.84	43	574993	244.071	ug/l	99
26) 2,2-Dichloropropane	6.82	77	194601	45.890	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	185465	51.311	ug/l	98
28) Bromochloromethane	7.19	49	141886	51.311	ug/l	100
29) Tetrahydrofuran	7.21	42	387251	252.026	ug/l	98
30) Chloroform	7.37	83	288834	49.077	ug/l	99
31) Cyclohexane	7.65	56	270962	48.473	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	237863	51.105	ug/l	99
36) 1,1-Dichloropropene	7.79	75	216839	47.495	ug/l	100
37) Ethyl Acetate	6.93	43	229121	50.919	ug/l	99
38) Carbon Tetrachloride	7.77	117	202886	47.387	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	270741	48.027	ug/l	99
40) Benzene	8.04	78	673878	48.173	ug/l	99
41) Methacrylonitrile	7.18	41	115343m	58.356	ug/l	
42) 1,2-Dichloroethane	8.13	62	216845	49.048	ug/l	100
43) Isopropyl Acetate	8.17	43	371769	52.555	ug/l	98
44) Trichloroethene	8.84	130	184891	48.672	ug/l	94
45) 1,2-Dichloropropane	9.12	63	180698	48.613	ug/l	97
46) Dibromomethane	9.21	93	116886	50.743	ug/l	98
47) Bromodichloromethane	9.40	83	220921	50.470	ug/l	98
48) Methyl methacrylate	9.20	41	174915	51.129	ug/l	100
49) 1,4-Dioxane	9.20	88	74075	1055.257	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1155490	252.198	ug/l	100
52) Toluene	10.16	92	415089	49.964	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	234355	51.317	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	267793	50.532	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	170094	48.814	ug/l	99
56) Ethyl methacrylate	10.43	69	263277	52.511	ug/l	99
57) 1,3-Dichloropropane	10.71	76	282936	49.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	610133	253.066	ug/l	99
59) 2-Hexanone	10.75	43	836923	254.576	ug/l	99
60) Dibromochloromethane	10.90	129	175577	51.234	ug/l	99
61) 1,2-Dibromoethane	11.00	107	178062	51.419	ug/l	99
64) Tetrachloroethene	10.63	164	179475	47.423	ug/l	99
65) Chlorobenzene	11.43	112	446265	49.752	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	166035	50.275	ug/l	99
67) Ethyl Benzene	11.51	91	783902	49.729	ug/l	99
68) m/p-Xylenes	11.62	106	594652	100.939	ug/l	99
69) o-Xylene	11.95	106	285386	49.274	ug/l	98
70) Styrene	11.96	104	488723	52.194	ug/l	100
71) Bromoform	12.12	173	128426	51.108	ug/l #	97
73) Isopropylbenzene	12.25	105	770637	47.302	ug/l	99
74) N-amyl acetate	12.07	43	294769	48.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	245694	52.164	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	216114m	48.903	ug/l	
77) Bromobenzene	12.53	156	200739	47.108	ug/l	98
78) n-propylbenzene	12.59	91	849014	46.941	ug/l	100
79) 2-Chlorotoluene	12.67	91	510986	51.164	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	649954	47.071	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	70895	49.544	ug/l	100
82) 4-Chlorotoluene	12.77	91	505758	47.649	ug/l	99
83) tert-Butylbenzene	12.99	119	553562	51.471	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	642717	47.646	ug/l	100
85) sec-Butylbenzene	13.17	105	727353	47.406	ug/l	100
86) p-Isopropyltoluene	13.29	119	662457	47.661	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334073	47.837	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	323632	47.642	ug/l	99
89) n-Butylbenzene	13.61	91	545703	48.741	ug/l	100
90) Hexachloroethane	13.87	117	105871	47.102	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	336991	47.182	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42239	48.350	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	175965	44.994	ug/l	99
94) Hexachlorobutadiene	15.01	225	113539	50.613	ug/l	100
95) Naphthalene	15.13	128	460902	43.247	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	176010	45.264	ug/l	99

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

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