

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053508.D
 Acq On : 22 Jan 2019 10:09
 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
 1/23/2019 11:00:34 AM

Quant Time: Jan 23 03:00:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	803529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1168199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1039113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	527174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	370496	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	7.59	113	343282	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.09	98	1400829	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.40	95	481152	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	318114	49.241	ug/l	100
3) Chloromethane	2.06	50	404575	43.800	ug/l	100
4) Vinyl Chloride	2.19	62	415564	46.673	ug/l	99
5) Bromomethane	2.57	94	294885	48.268	ug/l	98
6) Chloroethane	2.71	64	253100	47.017	ug/l	98
7) Trichlorofluoromethane	3.02	101	591233	50.766	ug/l	100
8) Diethyl Ether	3.41	74	213577	48.827	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	389105	52.755	ug/l	98
10) Methyl Iodide	3.96	142	558549	49.555	ug/l	100
11) Tert butyl alcohol	4.78	59	91478	235.390	ug/l	100
12) 1,1-Dichloroethene	3.74	96	358183	50.068	ug/l	99
13) Acrolein	3.61	56	176215	233.976	ug/l	100
14) Allyl chloride	4.33	41	594563	51.166	ug/l	99
15) Acrylonitrile	4.98	53	575545	225.036	ug/l	100
16) Acetone	3.82	43	453051	243.136	ug/l	98
17) Carbon Disulfide	4.06	76	1024885	47.374	ug/l	100
18) Methyl Acetate	4.32	43	276743	44.082	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	919807	48.390	ug/l	100
20) Methylene Chloride	4.55	84	403523	47.433	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	385052	50.345	ug/l	100
22) Diisopropyl ether	5.95	45	1235707	50.939	ug/l	99
23) Vinyl Acetate	5.89	43	3648638	244.678	ug/l	100
24) 1,1-Dichloroethane	5.85	63	730829	50.962	ug/l	99
25) 2-Butanone	6.83	43	647709	225.568	ug/l	99
26) 2,2-Dichloropropane	6.82	77	568598	52.514	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	446580	51.061	ug/l	99
28) Bromochloromethane	7.19	49	274514	43.452	ug/l	100
29) Tetrahydrofuran	7.21	42	401853	214.972	ug/l	99
30) Chloroform	7.37	83	716386	51.272	ug/l	100
31) Cyclohexane	7.65	56	689968	49.436	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	606403	51.162	ug/l	100
36) 1,1-Dichloropropene	7.79	75	562074	52.832	ug/l	99
37) Ethyl Acetate	6.92	43	273401	44.667	ug/l	99
38) Carbon Tetrachloride	7.77	117	546081	54.216	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	725624	55.182	ug/l	99
40) Benzene	8.04	78	1675934	51.839	ug/l	100
41) Methacrylonitrile	7.17	41	167822	46.194	ug/l	97
42) 1,2-Dichloroethane	8.12	62	475993	50.538	ug/l	100
43) Isopropyl Acetate	8.16	43	514130	46.713	ug/l	98
44) Trichloroethene	8.83	130	484360	54.025	ug/l	100
45) 1,2-Dichloropropane	9.12	63	446988	52.199	ug/l	100
46) Dibromomethane	9.21	93	243431	49.479	ug/l	99
47) Bromodichloromethane	9.40	83	544313	52.609	ug/l	99
48) Methyl methacrylate	9.20	41	265160	46.661	ug/l	99
49) 1,4-Dioxane	9.20	88	57022	1027.449	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1361757	226.651	ug/l	100
52) Toluene	10.15	92	1045658	52.098	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	552241	52.659	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	665871	54.164	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	348207	50.321	ug/l	98
56) Ethyl methacrylate	10.43	69	429446	43.988	ug/l	99
57) 1,3-Dichloropropane	10.71	76	598675	50.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1079956	223.086	ug/l	99
59) 2-Hexanone	10.75	43	962981	228.321	ug/l	100
60) Dibromochloromethane	10.90	129	411009	52.368	ug/l	99
61) 1,2-Dibromoethane	11.00	107	342209	48.899	ug/l	100
64) Tetrachloroethene	10.63	164	539239	55.067	ug/l	98
65) Chlorobenzene	11.43	112	1175114	53.428	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	417809	54.604	ug/l	100
67) Ethyl Benzene	11.51	91	2016513	53.797	ug/l	100
68) m/p-Xylenes	11.62	106	1565138	110.592	ug/l	98
69) o-Xylene	11.95	106	751038	54.614	ug/l	98
70) Styrene	11.96	104	1232483	55.222	ug/l	100
71) Bromoform	12.13	173	268273	50.928	ug/l #	100
73) Isopropylbenzene	12.25	105	2023569	52.417	ug/l	100
74) N-amyl acetate	12.07	43	467916	45.467	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	339375	41.916	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	302013m	43.473	ug/l	
77) Bromobenzene	12.53	156	510157	50.150	ug/l	98
78) n-propylbenzene	12.59	91	2344272	52.901	ug/l	99
79) 2-Chlorotoluene	12.67	91	1342007	51.091	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1675623	53.347	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	116206	42.721	ug/l	99
82) 4-Chlorotoluene	12.77	91	1405505	52.470	ug/l	100
83) tert-Butylbenzene	12.99	119	1478367	53.289	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1696928	53.580	ug/l	99
85) sec-Butylbenzene	13.17	105	2061344	54.179	ug/l	99
86) p-Isopropyltoluene	13.29	119	1827902	55.331	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	939082	52.480	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	927527	51.675	ug/l	99
89) n-Butylbenzene	13.61	91	1584913	56.283	ug/l	100
90) Hexachloroethane	13.87	117	289054	55.790	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	869795	52.835	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49179	47.904	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399353	54.704	ug/l	99
94) Hexachlorobutadiene	15.01	225	328135	63.897	ug/l	100
95) Naphthalene	15.13	128	578044	45.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	272900	51.240	ug/l	99

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

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