

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022219\
 Data File : VN053904.D
 Acq On : 22 Feb 2019 9:39
 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
 2/25/2019 10:42:10 AM

Quant Time: Feb 22 22:22:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	825662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1191362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1015448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	460585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	394854	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	7.59	113	390571	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.09	98	1451717	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	467686	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	296011	41.265	ug/l	99
3) Chloromethane	2.06	50	375316	42.085	ug/l	99
4) Vinyl Chloride	2.19	62	405444	42.353	ug/l	99
5) Bromomethane	2.56	94	300224	42.825	ug/l	98
6) Chloroethane	2.70	64	269270	43.521	ug/l	98
7) Trichlorofluoromethane	3.02	101	579335	42.617	ug/l	100
8) Diethyl Ether	3.41	74	212462	44.460	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	371406	45.334	ug/l	100
10) Methyl Iodide	3.95	142	551806	45.420	ug/l	99
11) Tert butyl alcohol	4.78	59	118440	224.846	ug/l	100
12) 1,1-Dichloroethene	3.74	96	347686	45.377	ug/l	99
13) Acrolein	3.60	56	125013	332.039	ug/l	99
14) Allyl chloride	4.32	41	541905	46.731	ug/l	98
15) Acrylonitrile	4.98	53	629879	237.362	ug/l	100
16) Acetone	3.81	43	567715	244.635	ug/l	98
17) Carbon Disulfide	4.05	76	1046315	44.090	ug/l	99
18) Methyl Acetate	4.32	43	253288	46.245	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	928354	47.755	ug/l	99
20) Methylene Chloride	4.55	84	389453	44.826	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	376203	46.780	ug/l	100
22) Diisopropyl ether	5.95	45	1071286	49.558	ug/l	99
23) Vinyl Acetate	5.89	43	3801704	244.636	ug/l	100
24) 1,1-Dichloroethane	5.85	63	667779	45.627	ug/l	100
25) 2-Butanone	6.83	43	733075	244.805	ug/l	96
26) 2,2-Dichloropropane	6.82	77	526473	47.404	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	423847	47.048	ug/l	99
28) Bromochloromethane	7.19	49	312997	49.001	ug/l	98
29) Tetrahydrofuran	7.21	42	451661	233.220	ug/l	100
30) Chloroform	7.37	83	668869	45.483	ug/l	98
31) Cyclohexane	7.65	56	626119	46.685	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	565699	44.959	ug/l	100
36) 1,1-Dichloropropene	7.79	75	519859	47.605	ug/l	100
37) Ethyl Acetate	6.92	43	303325	46.164	ug/l	99
38) Carbon Tetrachloride	7.77	117	511824	46.948	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	651501	51.775	ug/l	99
40) Benzene	8.04	78	1563590	48.434	ug/l	100
41) Methacrylonitrile	7.17	41	152954	42.624	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	449812	46.738	ug/l	100
43) Isopropyl Acetate	8.16	43	516115	44.309	ug/l	99
44) Trichloroethene	8.83	130	444950	49.235	ug/l	98
45) 1,2-Dichloropropane	9.12	63	404706	49.103	ug/l	99
46) Dibromomethane	9.21	93	239606	48.282	ug/l	99
47) Bromodichloromethane	9.40	83	508872	48.607	ug/l	100
48) Methyl methacrylate	9.20	41	251852	50.429	ug/l	93
49) 1,4-Dioxane	9.20	88	76592	948.167	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1406996	235.489	ug/l	99
52) Toluene	10.16	92	951893	49.756	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	516485	50.805	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	609816	50.893	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	340522	48.691	ug/l	98
56) Ethyl methacrylate	10.43	69	410495	45.852	ug/l	99
57) 1,3-Dichloropropane	10.71	76	570140	48.418	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	738308	186.241	ug/l	100
59) 2-Hexanone	10.75	43	936507	256.264	ug/l	100
60) Dibromochloromethane	10.90	129	395802	48.486	ug/l	100
61) 1,2-Dibromoethane	11.00	107	331101	47.654	ug/l	99
64) Tetrachloroethene	10.63	164	430536	47.415	ug/l	98
65) Chlorobenzene	11.43	112	1027150	48.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	380325	49.035	ug/l	100
67) Ethyl Benzene	11.51	91	1730019	50.294	ug/l	100
68) m/p-Xylenes	11.62	106	1353117	101.593	ug/l	99
69) o-Xylene	11.95	106	644854	50.291	ug/l	99
70) Styrene	11.96	104	1044254	51.898	ug/l	100
71) Bromoform	12.13	173	268534	48.785	ug/l #	100
73) Isopropylbenzene	12.25	105	1688565	52.040	ug/l	99
74) N-amyl acetate	12.07	43	392758	52.710	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	385816	50.293	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	308939m	45.691	ug/l	
77) Bromobenzene	12.53	156	444473	51.064	ug/l	99
78) n-propylbenzene	12.59	91	1969539	54.280	ug/l	100
79) 2-Chlorotoluene	12.67	91	1148833	52.511	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1454760	54.013	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	108823	53.133	ug/l	99
82) 4-Chlorotoluene	12.77	91	1160411	53.239	ug/l	100
83) tert-Butylbenzene	12.99	119	1299735	53.743	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1476133	54.645	ug/l	100
85) sec-Butylbenzene	13.17	105	1717639	52.749	ug/l	100
86) p-Isopropyltoluene	13.29	119	1490409	52.738	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	763331	50.255	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	729619	47.741	ug/l	100
89) n-Butylbenzene	13.61	91	1209519	52.046	ug/l	100
90) Hexachloroethane	13.87	117	250057	46.317	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	712753	47.830	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51246	45.779	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	398194	44.454	ug/l	98
94) Hexachlorobutadiene	15.01	225	287369	46.241	ug/l	99
95) Naphthalene	15.13	128	732907	41.017	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	371707	43.737	ug/l	99

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

