

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053303.D
 Acq On : 7 Jan 2019 16:37
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:25:21 AM

Quant Time: Jan 08 03:04:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	927624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1383497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1270078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	627931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	449223	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
35) Dibromofluoromethane	7.59	113	398687	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.09	98	1679873	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	604194	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	423728	51.814	ug/l	99
3) Chloromethane	2.06	50	551602	48.300	ug/l	98
4) Vinyl Chloride	2.19	62	539177	49.464	ug/l	99
5) Bromomethane	2.57	94	360541	50.618	ug/l	99
6) Chloroethane	2.71	64	319322	48.534	ug/l	99
7) Trichlorofluoromethane	3.02	101	698950	49.505	ug/l	99
8) Diethyl Ether	3.41	74	263767	47.664	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	451757	50.486	ug/l	100
10) Methyl Iodide	3.96	142	675062	53.820	ug/l	99
11) Tert butyl alcohol	4.77	59	144222	248.457	ug/l	99
12) 1,1-Dichloroethene	3.74	96	425231	49.129	ug/l	98
13) Acrolein	3.61	56	159864	219.039	ug/l	97
14) Allyl chloride	4.33	41	671629	48.145	ug/l	100
15) Acrylonitrile	4.98	53	780723	225.306	ug/l	100
16) Acetone	3.81	43	585266	251.999	ug/l	99
17) Carbon Disulfide	4.06	76	1319530	49.449	ug/l	100
18) Methyl Acetate	4.32	43	363553	41.623	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1152420	47.440	ug/l	100
20) Methylene Chloride	4.55	84	487456	47.028	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	463246	49.846	ug/l	99
22) Diisopropyl ether	5.95	45	1468953	48.879	ug/l	96
23) Vinyl Acetate	5.89	43	4662488	246.567	ug/l	100
24) 1,1-Dichloroethane	5.85	63	851316	49.115	ug/l	100
25) 2-Butanone	6.83	43	879275	222.077	ug/l	99
26) 2,2-Dichloropropane	6.82	77	634825	50.104	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	525009	49.470	ug/l	100
28) Bromochloromethane	7.19	49	364798	49.389	ug/l	100
29) Tetrahydrofuran	7.21	42	577331	220.963	ug/l	98
30) Chloroform	7.37	83	828979	48.591	ug/l	99
31) Cyclohexane	7.65	56	815056	49.482	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	701780	49.364	ug/l	99
36) 1,1-Dichloropropene	7.79	75	665868	51.554	ug/l	99
37) Ethyl Acetate	6.92	43	378370	44.975	ug/l	98
38) Carbon Tetrachloride	7.77	117	615363	51.618	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	803264	53.683	ug/l	99
40) Benzene	8.04	78	1971401	49.968	ug/l	99
41) Methacrylonitrile	7.17	41	210835	40.366	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	570755	48.771	ug/l	100
43) Isopropyl Acetate	8.16	43	691945	41.809	ug/l	98
44) Trichloroethene	8.83	130	546353	50.433	ug/l	100
45) 1,2-Dichloropropane	9.12	63	518704	50.128	ug/l	100
46) Dibromomethane	9.21	93	295392	48.960	ug/l	99
47) Bromodichloromethane	9.40	83	632810	50.330	ug/l	99
48) Methyl methacrylate	9.20	41	353177	46.971	ug/l	100
49) 1,4-Dioxane	9.20	88	93228	1163.762	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1892096	227.339	ug/l	100
52) Toluene	10.15	92	1231223	50.868	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	663465	51.583	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	776899	52.271	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	422103	47.428	ug/l	99
56) Ethyl methacrylate	10.43	69	565513	48.897	ug/l	99
57) 1,3-Dichloropropane	10.71	76	735720	49.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1512769	241.945	ug/l	100
59) 2-Hexanone	10.75	43	1315695	230.724	ug/l	99
60) Dibromochloromethane	10.90	129	485397	50.566	ug/l	99
61) 1,2-Dibromoethane	11.00	107	429345	48.886	ug/l	98
64) Tetrachloroethene	10.63	164	593260	49.629	ug/l	99
65) Chlorobenzene	11.43	112	1367289	49.556	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	472949	48.974	ug/l	99
67) Ethyl Benzene	11.51	91	2402603	51.247	ug/l	100
68) m/p-Xylenes	11.62	106	1841346	104.448	ug/l	100
69) o-Xylene	11.95	106	890243	51.581	ug/l	99
70) Styrene	11.96	104	1482542	52.779	ug/l	99
71) Bromoform	12.13	173	338206	49.581	ug/l	100
73) Isopropylbenzene	12.25	105	2362532	50.534	ug/l	100
74) N-amyl acetate	12.07	43	656548	47.030	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	476675	44.324	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	452410m	49.397	ug/l	
77) Bromobenzene	12.53	156	613643	49.179	ug/l	99
78) n-propylbenzene	12.59	91	2760105	52.193	ug/l	100
79) 2-Chlorotoluene	12.67	91	1602493	50.080	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1952026	51.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	157187	50.495	ug/l	99
82) 4-Chlorotoluene	12.77	91	1662167	50.658	ug/l	100
83) tert-Butylbenzene	12.99	119	1699869	51.449	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1981291	51.644	ug/l	100
85) sec-Butylbenzene	13.17	105	2281688	52.364	ug/l	100
86) p-Isopropyltoluene	13.29	119	1997049	52.935	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1098658	50.000	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1093785	50.180	ug/l	100
89) n-Butylbenzene	13.61	91	1689388	53.411	ug/l	100
90) Hexachloroethane	13.87	117	321880	53.231	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1018997	49.509	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61217	46.930	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	339742	52.497	ug/l	99
94) Hexachlorobutadiene	15.01	225	267768	50.585	ug/l	100
95) Naphthalene	15.13	128	544515	49.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	207768	49.036	ug/l	99

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

