

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027330.D
 Acq On : 21 Sep 2015 12:44
 Operator : MD\FY
 Sample : VSTDIC200
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:03 PM

Quant Time: Sep 21 13:03:31 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 12:16:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	568224	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1076372	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	940513	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	373539	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	2134586	183.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	366.68%	
36) Dibromofluoromethane	7.68	113	1317180	176.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	353.08%	
51) Toluene-d8	10.19	98	5124142	175.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	350.80%	
63) 4-Bromofluorobenzene	12.52	95	1924413	185.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	371.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	1150091	169.15	ug/l	100
3) Chlorodifluoromethane	1.81	51	1483979	188.62	ug/l	93
4) Chloromethane	2.01	50	1323527	161.66	ug/l	99
5) Vinyl Chloride	2.14	62	1461660	182.03	ug/l	98
6) Bromomethane	2.52	94	668483	163.49	ug/l	100
7) Chloroethane	2.67	64	901929	165.24	ug/l	99
8) Trichlorofluoromethane	3.02	101	2110534	174.00	ug/l	99
9) Diethyl Ether	3.42	74	969683	173.73	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	3.79	101	1325076	173.93	ug/l	95
11) Methyl Iodide	3.99	142	1112144	150.19	ug/l #	90
12) Tert butyl alcohol	4.80	59	840049	737.87	ug/l	97
13) 1,1-Dichloroethene	3.76	96	1274402	174.68	ug/l	92
14) Acrolein	3.61	56	1262636	944.09	ug/l	96
15) Allyl chloride	4.36	41	2424023	164.49	ug/l #	82
16) Acrylonitrile	5.02	53	3416482	917.68	ug/l	99
17) Acetone	3.82	43	2859398	910.93	ug/l	96
18) Carbon Disulfide	4.10	76	3843958	161.79	ug/l	100
19) Methyl Acetate	4.36	43	4099270	180.30	ug/l	96
20) Methyl tert-butyl Ether	5.11	73	5101546	174.17	ug/l	96
21) Methylene Chloride	4.60	84	1544050	176.57	ug/l	99
22) trans-1,2-Dichloroethene	5.12	96	1381114	175.02	ug/l	95
23) Diisopropyl ether	6.03	45	5497440	177.81	ug/l	92
24) Vinyl Acetate	5.97	43	9502272	928.56	ug/l	98
25) 1,1-Dichloroethane	5.93	63	3131517	174.34	ug/l	100
26) 2-Butanone	6.91	43	4099463	867.26	ug/l	96
27) 2,2-Dichloropropane	6.92	77	2755955	176.85	ug/l	93
28) cis-1,2-Dichloroethene	6.92	96	1644729	181.72	ug/l	95
29) Bromochloromethane	7.29	49	1105049	158.51	ug/l	98
30) Tetrahydrofuran	7.31	42	2557248	784.98	ug/l	91
31) Chloroform	7.45	83	2965888	182.75	ug/l	98
32) Cyclohexane	7.77	56	2780604	139.42	ug/l	94
33) 1,1,1-Trichloroethane	7.67	97	2618751	180.98	ug/l	97
37) 1,1-Dichloropropene	7.89	75	2254746	178.94	ug/l	98
38) Ethyl Acetate	7.01	43	1812864	156.57	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	2084776	175.99	ug/l	99
40) Methylcyclohexane	9.19	83	2665082	173.69	ug/l	98
41) Benzene	8.14	78	6361826	173.05	ug/l	99
42) Methacrylonitrile	7.24	41	1083078	177.82	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	2660470	179.64	ug/l	94
44) Isopropyl Acetate	8.25	43	3420194	169.86	ug/l	98
45) Trichloroethene	8.93	130	1292670	175.06	ug/l	87
46) 1,2-Dichloropropane	9.21	63	1788190	169.07	ug/l	99
47) Dibromomethane	9.30	93	1079269	173.79	ug/l	93
48) Bromodichloromethane	9.49	83	2357188	180.11	ug/l	99
49) Methyl methacrylate	9.29	41	1705668	170.03	ug/l #	88
50) 1,4-Dioxane	9.30	88	360305	3062.41	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	8506486	799.05	ug/l	99
53) Toluene	10.26	92	3831676	177.94	ug/l	97
54) t-1,3-Dichloropropene	10.47	75	2639356	179.58	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	2808862	175.68	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	1414741	174.81	ug/l	98
57) Ethyl methacrylate	10.52	69	2341098	171.65	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	2607118	173.53	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	5201840	830.70	ug/l	98
60) 2-Hexanone	10.84	43	5702202	786.72	ug/l	100
61) Dibromochloromethane	11.00	129	1446990	175.08	ug/l	100
62) 1,2-Dibromoethane	11.11	107	1401517	176.23	ug/l	100
65) Tetrachloroethene	10.74	164	1006415	167.33	ug/l	94
66) Chlorobenzene	11.54	112	3852786	173.52	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	1277081	168.62	ug/l	98
68) Ethyl Benzene	11.62	91	7347161	174.50	ug/l	99
69) m/p-Xylenes	11.73	106	5103792	351.33	ug/l	89
70) o-Xylene	12.06	106	2555214	175.47	ug/l	90
71) Styrene	12.07	104	4294008	182.65	ug/l	94
72) Bromoform	12.24	173	897558	170.41	ug/l #	99
74) Isopropylbenzene	12.36	105	6904336	167.73	ug/l	98
75) N-amyl acetate	12.17	43	2927853	159.38	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	1805100	147.66	ug/l	100
77) 1,2,3-Trichloropropane	12.66	75	1575679m	139.57	ug/l	
78) Bromobenzene	12.64	156	1326209	164.30	ug/l	91
79) n-propylbenzene	12.71	91	8499644	175.51	ug/l	97
80) 2-Chlorotoluene	12.79	91	4984600	171.41	ug/l	94
81) 1,3,5-Trimethylbenzene	12.85	105	5667221	171.37	ug/l	94
82) trans-1,4-Dichloro-2-buten	12.40	75	708659	154.19	ug/l	91
83) 4-Chlorotoluene	12.89	91	5062570	177.19	ug/l	94
84) tert-Butylbenzene	13.11	119	4537440	166.31	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	5677146	170.93	ug/l	94
86) sec-Butylbenzene	13.29	105	6872218	171.93	ug/l	98
87) p-Isopropyltoluene	13.41	119	5283288	171.61	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	2412712	174.67	ug/l	95
89) 1,4-Dichlorobenzene	13.49	146	2399281	171.51	ug/l	95
90) n-Butylbenzene	13.74	91	5698419	190.74	ug/l	98
91) Hexachloroethane	14.01	117	1078803	160.13	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	2333583	170.96	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	407103	152.20	ug/l	85
94) 1,2,4-Trichlorobenzene	15.05	180	1515945	205.58	ug/l	98
95) Hexachlorobutadiene	15.16	225	674749	173.75	ug/l	99
96) Naphthalene	15.29	128	4298310	198.84	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	1448983	197.68	ug/l	97

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

