

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027172.D
 Acq On : 15 Sep 2015 17:19
 Operator : MD\FY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:46:53 AM

Quant Time: Sep 15 17:52:01 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	572831	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1072215	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	927486	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	368333	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	1155306	153.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.82%	
36) Dibromofluoromethane	7.68	113	716790	109.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.08%	
51) Toluene-d8	10.19	98	2836324	108.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.10%	
63) 4-Bromofluorobenzene	12.52	95	1042461	121.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	242.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	662706	144.92	ug/l	100
3) Chlorodifluoromethane	1.81	51	767736	121.86	ug/l	95
4) Chloromethane	2.01	50	740871	105.92	ug/l	100
5) Vinyl Chloride	2.14	62	776162	112.85	ug/l	100
6) Bromomethane	2.53	94	391487	102.73	ug/l	97
7) Chloroethane	2.68	64	513078	135.44	ug/l	98
8) Trichlorofluoromethane	3.02	101	1151995	139.65	ug/l	98
9) Diethyl Ether	3.42	74	537469	145.22	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	3.79	101	726086	128.35	ug/l	97
11) Methyl Iodide	3.99	142	785227	120.20	ug/l	92
12) Tert butyl alcohol	4.80	59	552387	1031.06	ug/l	98
13) 1,1-Dichloroethene	3.76	96	693332	127.67	ug/l	94
14) Acrolein	3.61	56	679351	729.53	ug/l	97
15) Allyl chloride	4.37	41	1443101	156.18	ug/l	# 84
16) Acrylonitrile	5.02	53	1953096	759.72	ug/l	99
17) Acetone	3.82	43	1643954	740.03	ug/l	95
18) Carbon Disulfide	4.11	76	2236519	131.41	ug/l	99
19) Methyl Acetate	4.36	43	2367025	161.66	ug/l	96
20) Methyl tert-butyl Ether	5.11	73	2825624	153.51	ug/l	97
21) Methylene Chloride	4.60	84	831192	125.62	ug/l	97
22) trans-1,2-Dichloroethene	5.12	96	758070	124.39	ug/l	94
23) Diisopropyl ether	6.03	45	2998071	150.12	ug/l	91
24) Vinyl Acetate	5.97	43	5385978	898.23	ug/l	99
25) 1,1-Dichloroethane	5.93	63	1709475	150.93	ug/l	100
26) 2-Butanone	6.91	43	2433480	798.51	ug/l	98
27) 2,2-Dichloropropane	6.92	77	1510408	168.93	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	891482	125.35	ug/l	95
29) Bromochloromethane	7.29	49	641636	117.73	ug/l	97
30) Tetrahydrofuran	7.31	42	1553929	775.17	ug/l	92
31) Chloroform	7.46	83	1589426	139.10	ug/l	99
32) Cyclohexane	7.77	56	1573950	118.56	ug/l	96
33) 1,1,1-Trichloroethane	7.67	97	1411704	145.93	ug/l	97
37) 1,1-Dichloropropene	7.89	75	1227686	121.98	ug/l	97
38) Ethyl Acetate	7.01	43	1071452	150.00	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	1133369	119.17	ug/l	99
40) Methylcyclohexane	9.19	83	1474358	121.06	ug/l	99
41) Benzene	8.14	78	3503466	112.79	ug/l	100
42) Methacrylonitrile	7.24	41	634065	137.19	ug/l	93
43) 1,2-Dichloroethane	8.22	62	1426892	133.62	ug/l	95
44) Isopropyl Acetate	8.25	43	1995631	154.29	ug/l	99
45) Trichloroethene	8.93	130	712547	94.14	ug/l	89
46) 1,2-Dichloropropane	9.22	63	984519	121.90	ug/l	100
47) Dibromomethane	9.31	93	591148	122.79	ug/l	93
48) Bromodichloromethane	9.49	83	1272863	127.18	ug/l	99
49) Methyl methacrylate	9.29	41	1005764	152.99	ug/l #	91
50) 1,4-Dioxane	9.30	88	225172	2380.39	ug/l	98
52) 4-Methyl-2-Pentanone	10.07	43	5091682	694.14	ug/l	99
53) Toluene	10.26	92	2072092	109.95	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	1459338	146.01	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	1543280	132.86	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	773549	107.54	ug/l	99
57) Ethyl methacrylate	10.52	69	1341468	137.96	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	1441432	120.99	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	3189399	842.91	ug/l	98
60) 2-Hexanone	10.84	43	3523308	721.23	ug/l	100
61) Dibromochloromethane	11.00	129	802988	108.35	ug/l	100
62) 1,2-Dibromoethane	11.11	107	771032	112.06	ug/l	100
65) Tetrachloroethene	10.74	164	554010	83.67	ug/l	94
66) Chlorobenzene	11.54	112	2088029	103.34	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	700389	100.37	ug/l	98
68) Ethyl Benzene	11.62	91	3968951	116.80	ug/l	99
69) m/p-Xylenes	11.73	106	2766708	218.96	ug/l	90
70) o-Xylene	12.06	106	1379552	110.94	ug/l	91
71) Styrene	12.07	104	2307365	115.43	ug/l	94
72) Bromoform	12.24	173	506474	104.81	ug/l #	100
74) Isopropylbenzene	12.36	105	3716504	116.94	ug/l	98
75) N-amyl acetate	12.17	43	1709215	175.72	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	1043815	121.01	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	979500m	134.38	ug/l	
78) Bromobenzene	12.64	156	718848	93.86	ug/l	90
79) n-propylbenzene	12.71	91	4527059	129.43	ug/l	98
80) 2-Chlorotoluene	12.79	91	2660479	122.85	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	3048589	126.27	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	417550	162.99	ug/l	91
83) 4-Chlorotoluene	12.89	91	2717311	129.71	ug/l	95
84) tert-Butylbenzene	13.11	119	2403142	111.17	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	3047230	125.17	ug/l	95
86) sec-Butylbenzene	13.29	105	3714912	124.48	ug/l	99
87) p-Isopropyltoluene	13.41	119	2862152	117.75	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	1296291	97.89	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	1287471	96.63	ug/l	95
90) n-Butylbenzene	13.74	91	2983613	141.58	ug/l	99
91) Hexachloroethane	14.01	117	598009	123.52	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	1268539	97.05	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	227854	177.39	ug/l	87
94) 1,2,4-Trichlorobenzene	15.05	180	753730	114.20	ug/l	99
95) Hexachlorobutadiene	15.16	225	364859	99.76	ug/l	99
96) Naphthalene	15.29	128	2300342	145.68	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	737294	112.52	ug/l	98

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

