

APPENDIX J

ANALYSIS OF EQUATING ITEMS

**Table J-1. 2014 MCAS: Delta Analysis Results –
ELA Grade 3**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
231813	0.85000	0.86000	8.85427	8.67872	False	-0.07202
231816	0.87000	0.88000	8.49444	8.30005	False	0.00173
231821	0.67000	0.69000	11.24035	11.01660	False	0.50929
231823	0.79000	0.76000	9.77432	10.17479	False	1.16795
231828	0.53000	0.53000	12.69892	12.69892	False	-0.70086
257014	0.83000	0.83000	9.18334	9.18334	False	-1.11824
257015	0.80000	0.80000	9.63352	9.63352	False	-1.06480
257016	0.83000	0.83000	9.18334	9.18334	False	-1.11824
257021	0.72000	0.71000	10.66863	10.78646	False	-0.68568
257022	0.76000	0.79000	10.17479	9.77432	False	1.47538
257028	0.78000	0.77000	9.91123	10.04461	False	-0.49957
257033	0.75000	0.74000	10.30204	10.42662	False	-0.60043
257034	0.79000	0.75000	9.77432	10.30204	False	1.95468
257036	0.87000	0.87000	8.49444	8.49444	False	-1.15602
257044	0.42750	0.44750	13.73097	13.52792	False	0.67701
257106	0.58000	0.62000	12.19243	11.77808	False	1.80070
257109	0.71000	0.68000	10.78646	11.12920	False	0.69087
257111	0.69000	0.69000	11.01660	11.01660	False	-0.90059
257114	0.61000	0.61000	11.88272	11.88272	False	-0.79776
257118	0.79000	0.78000	9.77432	9.91123	False	-0.46151
257119	0.79000	0.80000	9.77432	9.63352	False	-0.17759
257120	0.61000	0.61000	11.88272	11.88272	False	-0.79776
257123	0.61000	0.62000	11.88272	11.77808	False	-0.15079
257124	0.71000	0.67000	10.78646	11.24035	False	1.37800
257127	0.71000	0.74000	10.78646	10.42662	False	1.29680
257128	0.35750	0.35500	14.46060	14.48742	False	-0.65757
284133	0.77000	0.77000	10.04461	10.04461	False	-1.01599
284135	0.85000	0.85000	8.85427	8.85427	False	-1.15731
284136	0.58000	0.54000	12.19243	12.59827	False	0.91403
284143	0.66000	0.65000	11.35015	11.45872	False	-0.82382
284144	0.65000	0.62000	11.45872	11.77808	False	0.46648
286604A	0.54500	0.49000	12.54785	13.10028	False	1.77812
286605B	0.61500	0.62500	11.83050	11.72544	False	-0.15445

**Table J-2. 2014 MCAS: Delta Analysis Results –
ELA Grade 4**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
255565	0.75000	0.72000	10.30204	10.66863	False	1.37078
255567	0.66000	0.67000	11.35015	11.24035	False	-0.44423
255583	0.71000	0.68000	10.78646	11.12920	False	1.27100
255585	0.66000	0.66000	11.35015	11.35015	False	-0.78857
255586	0.87000	0.86000	8.49444	8.67872	False	0.06921
255592	0.56000	0.57000	12.39612	12.29450	False	-0.59699

continued

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
255596	0.80000	0.79000	9.63352	9.77432	False	-0.08771
255608	0.90000	0.90000	7.87379	7.87379	False	-0.78174
255619	0.83000	0.84000	9.18334	9.02217	False	0.08461
255620	0.41500	0.45000	13.85881	13.50265	False	0.83047
256081	0.79000	0.79000	9.77432	9.77432	False	-0.94266
256084	0.87000	0.87000	8.49444	8.49444	False	-0.84243
256149	0.71000	0.73000	10.78646	10.54875	False	0.40010
256150	0.80000	0.80000	9.63352	9.63352	False	-0.95382
256164	0.69000	0.69000	11.01660	11.01660	False	-0.82118
256173	0.76000	0.74000	10.17479	10.42662	False	0.65025
256184	0.70000	0.64000	10.90240	11.56616	True	3.26301
256192	0.81000	0.80000	9.48841	9.63352	False	-0.07537
256199	0.80000	0.79000	9.63352	9.77432	False	-0.08771
256212	0.46500	0.48750	13.35138	13.12535	False	0.07718
256807	0.79000	0.79000	9.77432	9.77432	False	-0.94266
268943	0.68000	0.69000	11.12920	11.01660	False	-0.40531
268948	0.85000	0.88000	8.85427	8.30005	False	2.54181
268949	0.83000	0.83000	9.18334	9.18334	False	-0.90980
268951	0.72000	0.73000	10.66863	10.54875	False	-0.31536
268952	0.77000	0.79000	10.04461	9.77432	False	0.67368
286461	0.68000	0.67000	11.12920	11.24035	False	-0.12444
286463	0.80000	0.80000	9.63352	9.63352	False	-0.95382
286464	0.80000	0.81000	9.63352	9.48841	False	-0.05857
286465	0.71000	0.71000	10.78646	10.78646	False	-0.84369
286469	0.80000	0.81000	9.63352	9.48841	False	-0.05857
286474	0.50250	0.52000	12.97493	12.79939	False	-0.19746

**Table J-3. 2014 MCAS: Delta Analysis Results –
ELA Grade 5**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
205133	0.73000	0.72000	10.54875	10.66863	False	-0.76743
205134	0.58000	0.58000	12.19243	12.19243	False	-1.10385
205136	0.80000	0.80000	9.63352	9.63352	False	-0.58642
205139	0.87000	0.85000	8.49444	8.85427	False	0.20343
205143	0.75000	0.70000	10.30204	10.90240	False	2.10794
205145	0.90000	0.89000	7.87379	8.09389	False	-0.79958
205146	0.62000	0.57000	11.77808	12.29450	False	1.95077
205147	0.77000	0.77000	10.04461	10.04461	False	-0.68543
205148	0.65000	0.67000	11.45872	11.24035	False	0.30784
205153	0.56750	0.58500	12.31995	12.14119	False	-0.14156
250901	0.85000	0.85000	8.85427	8.85427	False	-0.39875
266012	0.82000	0.83000	9.33854	9.18334	False	0.43261
266014	0.71000	0.71000	10.78646	10.78646	False	-0.86410
266018	0.66000	0.66000	11.35015	11.35015	False	-0.99986
266022	0.85000	0.84000	8.85427	9.02217	False	-0.88224
266023	0.92000	0.91000	7.37971	7.63698	False	-0.69152

continued

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
286797	0.70000	0.70000	10.90240	10.90240	False	-0.89202
286799	0.85000	0.84000	8.85427	9.02217	False	-0.88224
286801	0.87000	0.83000	8.49444	9.18334	False	2.21345
286804	0.57000	0.60000	12.29450	11.98661	False	0.65336
286806	0.88000	0.87000	8.30005	8.49444	False	-0.85397
286810	0.52000	0.48750	12.79939	13.12535	False	1.03338
291513	0.72000	0.76000	10.66863	10.17479	False	2.18076
291514	0.79000	0.78000	9.77432	9.91123	False	-0.84995
291573	0.46000	0.50000	13.40173	13.00000	False	0.95990
291574	0.77000	0.77000	10.04461	10.04461	False	-0.68543
291576	0.70000	0.71000	10.90240	10.78646	False	-0.18386
291577	0.81000	0.82000	9.48841	9.33854	False	0.36399
291579	0.86000	0.87000	8.67872	8.49444	False	0.76919
291580	0.73000	0.73000	10.54875	10.54875	False	-0.80685
291582	0.65000	0.63000	11.45872	11.67259	False	0.02578
291593	0.72000	0.70000	10.66863	10.90240	False	-0.04297
291595	0.54000	0.52500	12.59827	12.74917	False	-0.08434

**Table J-4. 2014 MCAS: Delta Analysis Results –
ELA Grade 6**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
257352	0.73000	0.75000	10.54875	10.30204	False	0.91804
257357	0.72000	0.72000	10.66863	10.66863	False	-1.31127
257359	0.74000	0.76000	10.42662	10.17479	False	1.03284
257363	0.75000	0.76000	10.30204	10.17479	False	-0.05468
257375	0.90000	0.89000	7.87379	8.09389	False	-0.80821
257665	0.83000	0.83000	9.18334	9.18334	False	-0.61940
257668	0.73000	0.74000	10.54875	10.42662	False	-0.23810
257669	0.77000	0.76000	10.04461	10.17479	False	-0.44690
257676	0.59000	0.61000	12.08982	11.88272	False	-0.29846
257686	0.77000	0.77000	10.04461	10.04461	False	-1.09383
257689	0.55750	0.55250	12.42146	12.47208	False	0.12400
271371	0.78000	0.76000	9.91123	10.17479	False	0.71751
271375	0.72000	0.74000	10.66863	10.42662	False	0.80846
271383	0.79000	0.79000	9.77432	9.77432	False	-0.94494
271384	0.71000	0.71000	10.78646	10.78646	False	-1.24636
271387	0.66000	0.64000	11.35015	11.56616	False	1.06889
271390	0.74000	0.74000	10.42662	10.42662	False	-1.30425
271396	0.76000	0.76000	10.17479	10.17479	False	-1.16554
271401	0.88000	0.88000	8.30005	8.30005	False	-0.13285
271402	0.86000	0.85000	8.67872	8.85427	False	-0.77826
271410	0.77000	0.77000	10.04461	10.04461	False	-1.09383
271412	0.55000	0.59250	12.49735	12.06408	False	1.57613
276509	0.72000	0.71000	10.66863	10.78646	False	-0.21777
276512	0.73000	0.76000	10.54875	10.17479	False	2.09899
276513	0.86000	0.84000	8.67872	9.02217	False	0.77995

continued

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
276514	0.87000	0.85000	8.49444	8.85427	False	0.83050
276516	0.76000	0.75000	10.17479	10.30204	False	-0.40234
276517	0.87000	0.86000	8.49444	8.67872	False	-0.79863
276518	0.67000	0.64000	11.24035	11.56616	False	2.02741
276521	0.77000	0.77000	10.04461	10.04461	False	-1.09383
276524	0.69000	0.67000	11.01660	11.24035	False	0.95691
276526	0.73000	0.75000	10.54875	10.30204	False	0.91804
276531	0.54500	0.54000	12.54785	12.59827	False	0.19180

**Table J-5. 2014 MCAS: Delta Analysis Results –
ELA Grade 7**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
222437	0.89000	0.89000	8.09389	8.09389	False	-0.13677
222445	0.68000	0.69000	11.12920	11.01660	False	-0.83270
222464	0.79000	0.80000	9.77432	9.63352	False	-0.07065
222465	0.59000	0.59000	12.08982	12.08982	False	-0.07766
222466	0.72000	0.74000	10.66863	10.42662	False	0.11575
224998	0.78000	0.77000	9.91123	10.04461	False	-0.27475
224999	0.59000	0.61000	12.08982	11.88272	False	-0.71434
225000	0.83000	0.83000	9.18334	9.18334	False	-0.61909
225002	0.58000	0.60000	12.19243	11.98661	False	-0.76714
225004	0.76000	0.77000	10.17479	10.04461	False	-0.30907
225008	0.66000	0.65000	11.35015	11.45872	False	0.21952
225044	0.90000	0.91000	7.87379	7.63698	False	1.32314
225050	0.70000	0.71000	10.90240	10.78646	False	-0.71312
225051	0.75000	0.75000	10.30204	10.30204	False	-0.86914
225055	0.57500	0.59000	12.24353	12.08982	False	-0.89394
234046	0.89000	0.89000	8.09389	8.09389	False	-0.13677
234066	0.88000	0.87000	8.30005	8.49444	False	-0.63711
234075	0.72000	0.72000	10.66863	10.66863	False	-0.70685
234082	0.91000	0.90000	7.63698	7.87379	False	-0.68654
234102	0.69000	0.67000	11.01660	11.24035	False	0.73451
234103	0.76000	0.74000	10.17479	10.42662	False	0.52338
234107	0.74000	0.74000	10.42662	10.42662	False	-0.81399
234109	0.64000	0.67000	11.56616	11.24035	False	0.20054
234114	0.78000	0.77000	9.91123	10.04461	False	-0.27475
234119	0.64000	0.65000	11.56616	11.45872	False	-0.92767
234121	0.62500	0.63500	11.72544	11.61950	False	-0.84852
273055	0.80000	0.82000	9.63352	9.33854	False	0.87871
292874	0.79000	0.76000	9.77432	10.17479	False	1.20130
292877	0.79000	0.77000	9.77432	10.04461	False	0.45234
292879	0.82000	0.80000	9.33854	9.63352	False	0.40139
292881	0.69000	0.65000	11.01660	11.45872	False	1.99087
292889	0.44000	0.55000	13.60388	12.49735	True	3.79008
293862	0.73000	0.74000	10.54875	10.42662	False	-0.52093

**Table J-6. 2014 MCAS: Delta Analysis Results –
ELA Grade 8**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
207096	0.71000	0.75000	10.78646	10.30204	False	0.36599
207099	0.84000	0.84000	9.02217	9.02217	False	-0.44027
207101	0.89000	0.87000	8.09389	8.49444	False	1.48707
207104	0.73000	0.72000	10.54875	10.66863	False	-0.39278
207118	0.74000	0.73000	10.42662	10.54875	False	-0.34768
207159	0.88000	0.89000	8.30005	8.09389	False	-1.08026
207176	0.82000	0.84000	9.33854	9.02217	False	-0.75315
207180	0.63000	0.62000	11.67259	11.77808	False	-0.78197
207185	0.58000	0.57000	12.19243	12.29450	False	-0.94858
207190	0.65000	0.67000	11.45872	11.24035	False	-0.53606
207193	0.68500	0.69250	11.07309	10.98820	False	-1.20072
266431	0.85000	0.90000	8.85427	7.87379	False	1.84875
266436	0.75000	0.79000	10.30204	9.77432	False	0.40281
266441	0.60000	0.56000	11.98661	12.39612	False	0.38208
266456	0.49000	0.59000	13.10028	12.08982	True	3.21831
266466	0.76000	0.74000	10.17479	10.42662	False	0.26210
283673	0.75000	0.74000	10.30204	10.42662	False	-0.30102
283675	0.83000	0.87000	9.18334	8.49444	False	0.74057
283677	0.83000	0.84000	9.18334	9.02217	False	-1.15348
283678	0.84000	0.87000	9.02217	8.49444	False	0.02735
283679	0.81000	0.80000	9.48841	9.63352	False	0.02248
283684	0.62000	0.65000	11.77808	11.45872	False	-0.02510
283685	0.59000	0.55000	12.08982	12.49735	False	0.34363
283692	0.67000	0.62000	11.24035	11.77808	False	1.13079
283693	0.72000	0.68000	10.66863	11.12920	False	0.97971
283698	0.62750	0.65750	11.69904	11.37740	False	-0.03885
283711	0.77000	0.74000	10.04461	10.42662	False	0.83816
283809	0.72000	0.73000	10.66863	10.54875	False	-1.17478
283816	0.63000	0.64000	11.67259	11.56616	False	-0.93587
283842	0.53000	0.54000	12.69892	12.59827	False	-0.65860
283852	0.79000	0.82000	9.77432	9.33854	False	-0.13194
287562	0.71000	0.72000	10.78646	10.66863	False	-1.14872

**Table J-7. 2014 MCAS: Delta Analysis Results –
ELA Grade 10**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
290898	0.81000	0.80000	9.48841	9.63352	False	0.03975
290900	0.94000	0.94000	6.78091	6.78091	False	-0.39038
290902	0.75000	0.74000	10.30204	10.42662	False	-0.11633
290905	0.72000	0.72000	10.66863	10.66863	False	-0.69983
290909	0.51750	0.50500	12.82448	12.94987	False	-0.31352
292391	0.91000	0.93000	7.63698	7.09684	False	0.54383
292399	0.80000	0.82000	9.63352	9.33854	False	-0.38814

continued

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
292403	0.72000	0.73000	10.66863	10.54875	False	-1.08483
292405	0.76000	0.80000	10.17479	9.63352	False	0.75087
292406	0.79000	0.83000	9.77432	9.18334	False	0.94014
292408	0.80000	0.80000	9.63352	9.63352	False	-0.61744
292409	0.83000	0.84000	9.18334	9.02217	False	-1.01935
292412	0.76000	0.77000	10.17479	10.04461	False	-1.07834
292414	0.52500	0.63750	12.74917	11.59286	True	3.69244
299075	0.92000	0.93000	7.37971	7.09684	False	-0.62137
299076	0.80000	0.82000	9.63352	9.33854	False	-0.38814
299077	0.82000	0.86000	9.33854	8.67872	False	1.21177
299078	0.81000	0.85000	9.48841	8.85427	False	1.10948
299079	0.63000	0.63000	11.67259	11.67259	False	-0.77974
299080	0.68000	0.70000	11.12920	10.90240	False	-0.57241
299081	0.54000	0.52000	12.59827	12.79939	False	0.04148
299082	0.81000	0.81000	9.48841	9.48841	False	-0.60589
299083	0.65000	0.71750	11.45872	10.69828	False	1.82827
302639	0.75000	0.71000	10.30204	10.78646	False	1.48482
302642	0.80000	0.80000	9.63352	9.63352	False	-0.61744
302645	0.86000	0.87000	8.67872	8.49444	False	-0.95666
302646	0.80000	0.78000	9.63352	9.91123	False	0.61826
302652	0.58250	0.60750	12.16683	11.90876	False	-0.35074
302860	0.60000	0.55000	11.98661	12.49735	False	1.46785
302863	0.82000	0.81000	9.33854	9.48841	False	0.07292
302868	0.79000	0.81000	9.77432	9.48841	False	-0.41732
302869	0.68000	0.74000	11.12920	10.42662	False	1.54461
302873	0.73000	0.76000	10.54875	10.17479	False	0.03615
302877	0.64000	0.65000	11.56616	11.45872	False	-1.06873
302878	0.83000	0.80000	9.18334	9.63352	False	1.42149
302883	0.82000	0.81000	9.33854	9.48841	False	0.07292
302886	0.60250	0.62250	11.96071	11.75179	False	-0.58582
303654	0.66000	0.66000	11.35015	11.35015	False	-0.75408
303660	0.69000	0.70000	11.01660	10.90240	False	-1.08243
303662	0.95000	0.96000	6.42059	5.99726	False	-0.07276
303663	0.63000	0.64000	11.67259	11.56616	False	-1.06482
303666	0.51750	0.51250	12.82448	12.87465	False	-0.64820
303872	0.72000	0.74000	10.66863	10.42662	False	-0.54140
303873	0.85000	0.87000	8.85427	8.49444	False	-0.16159
303913	0.62000	0.62000	11.77808	11.77808	False	-0.78814
303920	0.74000	0.74000	10.42662	10.42662	False	-0.68057
303925	0.83000	0.83000	9.18334	9.18334	False	-0.58161
304010	0.84000	0.84000	9.02217	9.02217	False	-0.56878
304011	0.94000	0.95000	6.78091	6.42059	False	-0.32445
304013	0.90000	0.90000	7.87379	7.87379	False	-0.47737
304017	0.82000	0.78000	9.33854	9.91123	False	1.95426
304021	0.79000	0.79000	9.77432	9.77432	False	-0.62865
304029	0.55250	0.57500	12.47208	12.24353	False	-0.45775
304291	0.87000	0.85000	8.49444	8.85427	False	1.07433
304308	0.85000	0.82000	8.85427	9.33854	False	1.59940

**Table J-8. 2014 MCAS: Delta Analysis Results –
Mathematics Grade 3**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
202961	0.88000	0.88000	8.30005	8.30005	False	-1.33271
203539	0.76000	0.79000	10.17479	9.77432	False	-0.14185
206993	0.78000	0.77000	9.91123	10.04461	False	0.08671
207001	0.85000	0.82000	8.85427	9.33854	False	1.46316
207005	0.85000	0.87000	8.85427	8.49444	False	0.38002
218333	0.79000	0.78000	9.77432	9.91123	False	0.02873
227291	0.80000	0.78000	9.63352	9.91123	False	0.74217
227295	0.72000	0.72000	10.66863	10.66863	False	-0.23430
263115	0.47000	0.58000	13.30108	12.19243	False	2.07144
264568	0.80000	0.81000	9.63352	9.48841	False	-1.27326
287131	0.69000	0.71000	11.01660	10.78646	False	-1.33341
287674	0.80000	0.83000	9.63352	9.18334	False	0.44605
293463	0.82000	0.85000	9.33854	8.85427	False	0.80595
297399	0.51500	0.53000	12.84957	12.69892	False	0.15690
297507	0.72000	0.73000	10.66863	10.54875	False	-0.90994
300725	0.91000	0.91000	7.63698	7.63698	False	-0.95565

**Table J-9. 2014 MCAS: Delta Analysis Results –
Mathematics Grade 4**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
218891	0.89000	0.87000	8.09389	8.49444	False	0.09982
227315	0.63250	0.63250	11.64607	11.64607	False	-0.77528
227589	0.52000	0.57000	12.79939	12.29450	False	0.23736
228829	0.84000	0.86000	9.02217	8.67872	False	0.70601
247455	0.91000	0.90000	7.63698	7.87379	False	-0.92636
247575	0.84000	0.83000	9.02217	9.18334	False	-0.84147
247577	0.59000	0.58000	12.08982	12.19243	False	-0.07709
247592	0.73000	0.71000	10.54875	10.78646	False	0.09801
250533	0.68000	0.65000	11.12920	11.45872	False	0.78691
272121	0.77000	0.78000	10.04461	9.91123	False	-0.76328
279767	0.51000	0.49000	12.89972	13.10028	False	0.72466
280093	0.81000	0.82000	9.48841	9.33854	False	-0.48128
286769	0.83000	0.83000	9.18334	9.18334	False	-1.16731
287484	0.67500	0.65750	11.18495	11.37740	False	0.08134
297614	0.68000	0.70000	11.12920	10.90240	False	-0.64885
297981	0.44000	0.41000	13.60388	13.91018	False	1.53068
298090	0.37000	0.41000	14.32741	13.91018	False	-0.76138
301803	0.91000	0.91000	7.63698	7.63698	False	-0.62583
301827	0.65000	0.71000	11.45872	10.78646	False	1.59226
302488	0.32000	0.42000	14.87080	13.80757	False	2.46572
303324	0.55000	0.57000	12.49735	12.29450	False	-1.25467

**Table J-10. 2014 MCAS: Delta Analysis Results –
Mathematics Grade 5**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
204866	0.68000	0.68000	11.12920	11.12920	False	-0.94911
217299	0.77000	0.80000	10.04461	9.63352	False	0.60132
248869	0.65000	0.62000	11.45872	11.77808	False	0.37013
248875	0.88000	0.90000	8.30005	7.87379	False	0.62900
249105	0.90000	0.90000	7.87379	7.87379	False	-0.88331
261198	0.84000	0.86000	9.02217	8.67872	False	0.29978
262135	0.68000	0.69000	11.12920	11.01660	False	-0.61602
272786	0.61000	0.61000	11.88272	11.88272	False	-0.96434
272911	0.81000	0.84000	9.48841	9.02217	False	0.81904
280474	0.91000	0.90000	7.63698	7.87379	False	0.10466
280511	0.50500	0.51750	12.94987	12.82448	False	-0.52616
280747	0.74000	0.66000	10.42662	11.35015	False	2.89934
287612	0.87000	0.87000	8.49444	8.49444	False	-0.89586
293830	0.42000	0.42000	13.80757	13.80757	False	-1.00324
294905	0.54750	0.56750	12.52261	12.31995	False	-0.21397
298034	0.51000	0.51000	12.89972	12.89972	False	-0.98489
301165	0.59000	0.57000	12.08982	12.29450	False	-0.11873
301593	0.58000	0.62000	12.19243	11.77808	False	0.65823
301605	0.88000	0.85000	8.30005	8.85427	False	1.40902
301830	0.60000	0.61000	11.98661	11.88272	False	-0.63489

**Table J-11. 2014 MCAS: Delta Analysis Results –
Mathematics Grade 6**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
223113	0.90000	0.92000	7.87379	7.37971	False	0.77861
227709	0.85000	0.86000	8.85427	8.67872	False	-0.51592
229034	0.82000	0.82000	9.33854	9.33854	False	-1.05639
229862	0.89000	0.88000	8.09389	8.30005	False	-0.49159
264305	0.73000	0.75000	10.54875	10.30204	False	-0.50475
272358	0.76000	0.70000	10.17479	10.90240	False	1.69671
272359	0.75000	0.74000	10.30204	10.42662	False	-0.46583
280684	0.90000	0.86000	7.87379	8.67872	False	1.64202
281665	0.82000	0.82000	9.33854	9.33854	False	-1.05639
282272	0.70000	0.74000	10.90240	10.42662	False	0.27236
282280	0.72000	0.71750	10.66863	10.69828	False	-0.75592
282332	0.51000	0.53000	12.89972	12.69892	False	-1.01238
288799	0.71000	0.72000	10.78646	10.66863	False	-1.00542
290253	0.49000	0.48500	13.10028	13.15043	False	-0.32840
293846	0.63000	0.55000	11.67259	12.49735	False	2.26575
298153	0.70000	0.76000	10.90240	10.17479	False	1.18317
298159	0.71000	0.74000	10.78646	10.42662	False	-0.13011
298169	0.51000	0.57000	12.89972	12.29450	False	0.45031
298274	0.62000	0.65000	11.77808	11.45872	False	-0.42061
299673	0.73000	0.73000	10.54875	10.54875	False	-0.88055
301231	0.61000	0.66000	11.88272	11.35015	False	0.33534

**Table J-12. 2014 MCAS: Delta Analysis Results –
Mathematics Grade 7**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
208377	0.89000	0.88000	8.09389	8.30005	False	-0.17836
208665	0.58750	0.56250	12.11553	12.37076	False	0.39874
228065	0.76000	0.77000	10.17479	10.04461	False	-0.38996
235440	0.75000	0.74000	10.30204	10.42662	False	-0.67913
239649	0.52000	0.52000	12.79939	12.79939	False	-1.48887
249164	0.56000	0.58000	12.39612	12.19243	False	0.04935
250531	0.63000	0.65000	11.67259	11.45872	False	0.16331
250848	0.69000	0.68000	11.01660	11.12920	False	-0.73247
261072	0.45000	0.42000	13.50265	13.80757	False	0.84469
261076	0.58000	0.57000	12.19243	12.29450	False	-0.75114
261644	0.65000	0.61000	11.45872	11.88272	False	1.63638
272149	0.51000	0.56000	12.89972	12.39612	False	2.28281
272153	0.72000	0.70000	10.66863	10.90240	False	0.16237
272159	0.62000	0.63750	11.77808	11.59286	False	-0.05801
272872	0.67000	0.67000	11.24035	11.24035	False	-1.42565
281477	0.71000	0.72000	10.78646	10.66863	False	-0.51455
282222	0.69000	0.72000	11.01660	10.66863	False	1.20740
290543	0.84000	0.84000	9.02217	9.02217	False	-1.31124
301844	0.49000	0.52000	13.10028	12.79939	False	0.74527
301848	0.64000	0.63000	11.56616	11.67259	False	-0.75071
303730	0.50000	0.47000	13.00000	13.30108	False	0.78977

**Table J-13. 2014 MCAS: Delta Analysis Results –
Mathematics Grade 8**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
219579	0.90000	0.91000	7.87379	7.63698	False	-0.51663
219677	0.65000	0.72000	11.45872	10.66863	False	1.58373
227756	0.81000	0.84000	9.48841	9.02217	False	-0.39149
228171	0.44000	0.38000	13.60388	14.22192	False	-0.77152
253770	0.85000	0.86000	8.85427	8.67872	False	-0.81997
253798	0.61500	0.64000	11.83050	11.56616	False	0.16337
253802	0.72000	0.68000	10.66863	11.12920	False	0.21587
253886	0.83000	0.88000	9.18334	8.30005	False	0.73010
260361	0.81000	0.83000	9.48841	9.18334	False	-0.88393
264730	0.68000	0.62000	11.12920	11.77808	False	0.56077
264777	0.83000	0.86000	9.18334	8.67872	False	-0.42688
285104	0.55000	0.56000	12.49735	12.39612	False	-0.00135
287544	0.64750	0.65250	11.48568	11.43168	False	-0.65182
287597	0.79000	0.78000	9.77432	9.91123	False	-0.32560
298044	0.78000	0.67000	9.91123	11.24035	True	3.24856
298048	0.43000	0.41000	13.70550	13.91018	False	-0.33159
299550	0.70000	0.72000	10.90240	10.66863	False	-0.39438
299575	0.74000	0.73000	10.42662	10.54875	False	-0.69712
303244	0.48000	0.41000	13.20061	13.91018	False	-0.29013

**Table J-14. 2014 MCAS: Delta Analysis Results –
Mathematics Grade 10**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
278496	0.58000	0.59000	12.19243	12.08982	False	-1.13662
287630	0.48000	0.50000	13.20061	13.00000	False	-0.71546
287679	0.65000	0.65000	11.45872	11.45872	False	-0.62984
287699	0.71000	0.73000	10.78646	10.54875	False	0.01204
294009	0.75000	0.73000	10.30204	10.54875	False	0.71206
294151	0.69000	0.72000	11.01660	10.66863	False	0.66998
294292	0.72000	0.74000	10.66863	10.42662	False	0.06348
294697	0.65250	0.66750	11.43168	11.26792	False	-0.59166
301388	0.88000	0.90000	8.30005	7.87379	False	1.72221
301440	0.45000	0.46000	13.50265	13.40173	False	-0.85964
301466	0.45000	0.46000	13.50265	13.40173	False	-0.85964
301486	0.53500	0.54500	12.64862	12.54785	False	-1.03225
301997	0.76000	0.74000	10.17479	10.42662	False	0.71894
302025	0.63000	0.62000	11.67259	11.77808	False	0.08785
302040	0.66000	0.66000	11.35015	11.35015	False	-0.65189
302047	0.68000	0.72000	11.12920	10.66863	False	1.36684
302057	0.42000	0.45000	13.80757	13.50265	False	-0.17202
302066	0.59500	0.60250	12.03830	11.96071	False	-1.00803
303248	0.78000	0.78000	9.91123	9.91123	False	-0.94418
303270	0.78000	0.77000	9.91123	10.04461	False	-0.09163
303274	0.76000	0.75000	10.17479	10.30204	False	-0.07730
303296	0.60000	0.61000	11.98661	11.88272	False	-1.08710
303300	0.64000	0.59000	11.56616	12.08982	False	2.73898
303355	0.65000	0.62000	11.45872	11.77808	False	1.41137
303393	0.48750	0.50750	13.12535	12.92480	False	-0.70055
303431	0.44000	0.49000	13.60388	13.10028	False	1.13919
303444	0.48000	0.52000	13.20061	12.79939	False	0.56678
304337	0.66000	0.66000	11.35015	11.35015	False	-0.65189

**Table J-15. 2014 MCAS: Delta Analysis Results –
STE Grade 5**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
245106	0.49000	0.47000	13.10028	13.30108	False	-1.39427
273700	0.74000	0.76000	10.42662	10.17479	False	-0.18698
273716	0.77000	0.76000	10.04461	10.17479	False	-0.53333
273776	0.75000	0.74000	10.30204	10.42662	False	-0.69684
281843	0.88000	0.90000	8.30005	7.87379	False	-0.28241
281864	0.68000	0.62000	11.12920	11.77808	False	1.86249
288141	0.80000	0.76000	9.63352	10.17479	False	2.01542
288208	0.66000	0.62000	11.35015	11.77808	False	0.49268
288212	0.72000	0.73000	10.66863	10.54875	False	-0.81375
289407	0.70000	0.68000	10.90240	11.12920	False	-0.42238
289473	0.86000	0.89000	8.67872	8.09389	False	0.81331
289506	0.50000	0.45000	13.00000	13.50265	False	0.07386

continued

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
291051	0.81000	0.84000	9.48841	9.02217	False	0.55285
291183	0.64000	0.66000	11.56616	11.35015	False	0.19214
291290	0.88000	0.88000	8.30005	8.30005	False	-0.38155
291387	0.70000	0.69000	10.90240	11.01660	False	-1.06293
291485	0.86000	0.86000	8.67872	8.67872	False	-0.57523
291591	0.42250	0.45250	13.78201	13.47739	False	1.82945
291624	0.58250	0.57500	12.16683	12.24353	False	-1.16573
299533	0.71000	0.74000	10.78646	10.42662	False	0.61149
299576	0.62000	0.62000	11.77808	11.77808	False	-0.92827

**Table J-16. 2014 MCAS: Delta Analysis Results –
STE Grade 8**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
273932	0.63000	0.66000	11.67259	11.35015	False	0.45382
273956	0.52000	0.52000	12.79939	12.79939	False	0.20067
273989	0.92000	0.91000	7.37971	7.63698	False	-0.53047
282005	0.57000	0.59000	12.29450	12.08982	False	-0.75153
282021	0.70000	0.66000	10.90240	11.35015	False	2.66847
282039	0.76000	0.79000	10.17479	9.77432	False	1.79146
282047	0.72000	0.71000	10.66863	10.78646	False	0.04025
282065	0.55000	0.59000	12.49735	12.08982	False	0.69240
288302	0.47000	0.48000	13.30108	13.20061	False	-0.31531
288314	0.77000	0.78000	10.04461	9.91123	False	-0.17768
288320	0.72000	0.72000	10.66863	10.66863	False	-0.85695
288327	0.36250	0.38000	14.40714	14.22192	False	-0.41163
289584	0.40000	0.43000	14.01339	13.70550	False	-0.81883
291691	0.57000	0.60000	12.29450	11.98661	False	0.03435
291720	0.61000	0.61000	11.88272	11.88272	False	-0.25432
291789	0.79000	0.79000	9.77432	9.77432	False	-1.05918
291994	0.48000	0.50000	13.20061	13.00000	False	-1.12776
292021	0.60500	0.62500	11.93476	11.72544	False	-0.53770
294058	0.46000	0.51000	13.40173	12.89972	False	0.96289
294092	0.77000	0.77000	10.04461	10.04461	False	-1.16668
294239	0.65000	0.63000	11.45872	11.67259	False	1.16372

**Table J-17. 2014 MCAS: Delta Analysis Results –
High School Biology**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
212488	0.60000	0.66000	11.98661	11.35015	False	1.47489
234775	0.83000	0.84000	9.18334	9.02217	False	-0.78183
235197	0.65000	0.65000	11.45872	11.45872	False	-0.37507
264524	0.66000	0.65000	11.35015	11.45872	False	0.18978
273485	0.46000	0.50000	13.40173	13.00000	False	0.10057
274698	0.70000	0.72000	10.90240	10.66863	False	-0.55695

continued

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
274706	0.62000	0.63000	11.77808	11.67259	False	-0.90404
275595	0.57000	0.60000	12.29450	11.98661	False	-0.29361
279504	0.49750	0.58500	13.02507	12.14119	False	2.68864
279505	0.74000	0.73000	10.42662	10.54875	False	0.17587
279506	0.51000	0.53000	12.89972	12.69892	False	-0.91686
281147	0.81000	0.81000	9.48841	9.48841	False	-0.55792
281157	0.56250	0.57750	12.37076	12.21799	False	-1.09938
281196	0.36500	0.37500	14.38050	14.27456	False	-0.66493
283132	0.74000	0.73000	10.42662	10.54875	False	0.17587
283211	0.60000	0.62000	11.98661	11.77808	False	-0.79118
285875	0.87000	0.90000	8.49444	7.87379	False	1.71520
285877	0.88000	0.89000	8.30005	8.09389	False	-0.46159
289222	0.65000	0.69000	11.45872	11.01660	False	0.49474
289296	0.81000	0.82000	9.48841	9.33854	False	-0.86995
290019	0.54000	0.58000	12.59827	12.19243	False	0.19687
290954	0.74000	0.76000	10.42662	10.17479	False	-0.41714
290957	0.61000	0.67000	11.88272	11.24035	False	1.51584
290981	0.64000	0.61000	11.56616	11.88272	False	1.31122
294814	0.74000	0.75000	10.42662	10.30204	False	-1.09099
295269	0.79000	0.80000	9.77432	9.63352	False	-0.94454
295298	0.78000	0.76000	9.91123	10.17479	False	0.87699
296667	0.85000	0.85000	8.85427	8.85427	False	-0.61678
296742	0.78000	0.76000	9.91123	10.17479	False	0.87699
296786	0.85000	0.85000	8.85427	8.85427	False	-0.61678
296812	0.38500	0.38500	14.16950	14.16950	False	-0.12349
299734	0.87000	0.87000	8.49444	8.49444	False	-0.65017
299735	0.85000	0.86000	8.85427	8.67872	False	-0.67517
299737	0.57000	0.58000	12.29450	12.19243	False	-0.83804
299746	0.73000	0.73000	10.54875	10.54875	False	-0.45952
299772	0.89000	0.90000	8.09389	7.87379	False	-0.36870
299793	0.68750	0.70250	11.04489	10.87358	False	-0.90089
299823	0.89000	0.90000	8.09389	7.87379	False	-0.36870
301321	0.78000	0.78000	9.91123	9.91123	False	-0.51868
301324	0.75000	0.70000	10.30204	10.90240	False	2.69672
301341	0.80000	0.78000	9.63352	9.91123	False	0.92614
301363	0.80000	0.81000	9.63352	9.48841	False	-0.90870
301378	0.81000	0.84000	9.48841	9.02217	False	0.80536
304251	0.56000	0.59000	12.39612	12.08982	False	-0.31146
304255	0.64000	0.60000	11.56616	11.98661	False	1.86134

**Table J-18. 2014 MCAS: Delta Analysis Results –
High School Chemistry**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
208285	0.68000	0.85000	11.12920	8.85427	False	1.11954
226974	0.60000	0.80000	11.98661	9.63352	False	1.30082
229644	0.74000	0.73000	10.42662	10.54875	False	0.39552

continued

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
229662	0.92000	0.93000	7.37971	7.09684	False	-0.06225
230419	0.63000	0.85000	11.67259	8.85427	False	2.03149
230665	0.75000	0.86000	10.30204	8.67872	False	0.01464
244827	0.73000	0.83000	10.54875	9.18334	False	-0.38576
244944	0.36750	0.54000	14.35393	12.59827	False	0.48878
246683	0.77000	0.83000	10.04461	9.18334	False	-1.16713
258902	0.53000	0.73000	12.69892	10.54875	False	1.01910
258914	0.64000	0.77000	11.56616	10.04461	False	-0.06833
258916	0.80000	0.86000	9.63352	8.67872	False	-1.10735
260796	0.50000	0.54250	13.00000	12.57306	False	-0.65615
260908	0.66000	0.80000	11.35015	9.63352	False	0.23264
261057	0.84000	0.88000	9.02217	8.30005	False	-0.87679
261451	0.78000	0.84000	9.91123	9.02217	False	-1.19558
261459	0.67000	0.69000	11.24035	11.01660	False	-0.21505
271908	0.48000	0.81000	13.20061	9.48841	False	3.57247
272999	0.81000	0.77000	9.48841	10.04461	False	1.15643
273017	0.71000	0.71000	10.78646	10.78646	False	0.17526
273026	0.51000	0.59000	12.89972	12.08982	False	-1.13117
273191	0.85000	0.88000	8.85427	8.30005	False	-0.59500
274078	0.56000	0.68000	12.39612	11.12920	False	-0.42594
275829	0.56000	0.66000	12.39612	11.35015	False	-0.78254
275850	0.78000	0.84000	9.91123	9.02217	False	-1.19558
275898	0.75000	0.80000	10.30204	9.63352	False	-0.87259
275906	0.88000	0.84000	8.30005	9.02217	False	1.50063
281172	0.53000	0.51000	12.69892	12.89972	False	0.37638
281268	0.61000	0.61000	11.88272	11.88272	False	0.10477
281281	0.65000	0.85000	11.45872	8.85427	False	1.67256
281924	0.59000	0.63000	12.08982	11.67259	False	-0.58196
287590	0.53000	0.61000	12.69892	11.88272	False	-1.13393
288245	0.59000	0.55000	12.08982	12.49735	False	0.74921
288261	0.74000	0.75000	10.42662	10.30204	False	-0.00267
288262	0.63000	0.72000	11.67259	10.66863	False	-0.89689
294673	0.80000	0.80000	9.63352	9.63352	False	0.24940
294709	0.55750	0.58000	12.42146	12.19243	False	-0.29954
294728	0.62000	0.67000	11.77808	11.24035	False	-0.75639
294746	0.91000	0.96000	7.63698	5.99726	False	-0.13025
294770	0.58000	0.62000	12.19243	11.77808	False	-0.58390
298326	0.47500	0.42000	13.25083	13.80757	False	0.91539
298512	0.76000	0.78000	10.17479	9.91123	False	-0.21080
299695	0.75000	0.78000	10.30204	9.91123	False	-0.42436
299725	0.58500	0.64000	12.14119	11.56616	False	-0.83994
300101	0.80000	0.83000	9.63352	9.18334	False	-0.47719

**Table J-19. 2014 MCAS: Delta Analysis Results –
High School Introductory Physics**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
208526	0.66000	0.72000	11.35015	10.66863	False	0.42696
216428	0.47250	0.49000	13.27595	13.10028	False	-0.60724
258356	0.57000	0.61000	12.29450	11.88272	False	-0.63145
261520	0.56000	0.60000	12.39612	11.98661	False	-0.64000
272688	0.62000	0.61000	11.77808	11.88272	False	0.50184
272732	0.50000	0.51000	13.00000	12.89972	False	-0.30940
272820	0.61000	0.64000	11.88272	11.56616	False	-1.00783
273102	0.56000	0.65000	12.39612	11.45872	False	1.43820
273103	0.51000	0.58000	12.89972	12.19243	False	0.53417
280448	0.52000	0.62000	12.79939	11.77808	False	1.77000
280810	0.56000	0.58000	12.39612	12.19243	False	-0.71432
285645	0.59000	0.69000	12.08982	11.01660	False	1.97175
287032	0.78000	0.78000	9.91123	9.91123	False	0.09674
287038	0.70000	0.72000	10.90240	10.66863	False	-0.82719
287039	0.59000	0.61000	12.08982	11.88272	False	-0.72658
287203	0.49000	0.57000	13.10028	12.29450	False	0.92258
287312	0.64000	0.68000	11.56616	11.12920	False	-0.53500
287332	0.42500	0.45500	13.75647	13.45215	False	-1.04911
287353	0.65000	0.70000	11.45872	10.90240	False	-0.06550
287364	0.54000	0.45000	12.59827	13.50265	False	3.64719
287381	0.73000	0.73000	10.54875	10.54875	False	0.09439
287382	0.74000	0.78000	10.42662	9.91123	False	-0.23043
293879	0.38500	0.41750	14.16950	13.83317	False	-0.92158
293884	0.73000	0.76000	10.54875	10.17479	False	-0.78677
293886	0.83000	0.86000	9.18334	8.67872	False	-0.27743
293940	0.75000	0.77000	10.30204	10.04461	False	-0.91814
293963	0.66000	0.75000	11.35015	10.30204	False	1.87015
293968	0.70000	0.74000	10.90240	10.42662	False	-0.38462
294258	0.49250	0.50250	13.07520	12.97493	False	-0.30965
295844	0.71000	0.71000	10.78646	10.78646	False	0.09352
295856	0.60000	0.59000	11.98661	12.08982	False	0.49541
295864	0.82000	0.81000	9.33854	9.48841	False	0.68888
295867	0.65000	0.68000	11.45872	11.12920	False	-0.95839
295907	0.88000	0.87000	8.30005	8.49444	False	0.86792
295908	0.58000	0.56000	12.19243	12.39612	False	0.89025
297594	0.62000	0.63000	11.77808	11.67259	False	-0.32543
299250	0.79000	0.81000	9.77432	9.48841	False	-1.02828
299315	0.73000	0.77000	10.54875	10.04461	False	-0.27429
299320	0.57000	0.55000	12.29450	12.49735	False	0.88654
299335	0.80000	0.82000	9.63352	9.33854	False	-1.06349
299368	0.73000	0.76000	10.54875	10.17479	False	-0.78677
301718	0.76000	0.78000	10.17479	9.91123	False	-0.94182
301762	0.86000	0.87000	8.67872	8.49444	False	-0.62422
302737	0.54000	0.60000	12.59827	11.98661	False	0.15653
304275	0.50750	0.52000	12.92480	12.79939	False	-0.40808

**Table J-20. 2014 MCAS: Delta Analysis Results –
High School Technology/Engineering**

<i>Item Number</i>	<i>P</i>		<i>Delta</i>		<i>Discard</i>	<i>Std</i>
	<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
206779	0.58000	0.55000	12.19243	12.49735	False	-0.06092
208967	0.72000	0.70000	10.66863	10.90240	False	-0.32431
230825	0.66000	0.68000	11.35015	11.12920	False	-0.63453
246665	0.77000	0.77000	10.04461	10.04461	False	-1.29654
265038	0.68000	0.65000	11.12920	11.45872	False	0.06891
265086	0.62000	0.66000	11.77808	11.35015	False	0.25029
265112	0.76000	0.70000	10.17479	10.90240	False	1.77388
265131	0.62000	0.68000	11.77808	11.12920	False	1.18361
267200	0.73000	0.71000	10.54875	10.78646	False	-0.30469
268661	0.49000	0.55000	13.10028	12.49735	False	1.02181
271561	0.65000	0.59000	11.45872	12.08982	False	1.33484
271579	0.67000	0.69000	11.24035	11.01660	False	-0.62536
273078	0.59000	0.62000	12.08982	11.77808	False	-0.23289
274332	0.56000	0.59000	12.39612	12.08982	False	-0.24839
274560	0.88000	0.91000	8.30005	7.63698	False	1.15861
274578	0.55000	0.52000	12.49735	12.79939	False	-0.08061
281373	0.84000	0.83000	9.02217	9.18334	False	-0.59073
283350	0.80000	0.77000	9.63352	10.04461	False	0.45009
283429	0.60000	0.62000	11.98661	11.77808	False	-0.67139
287789	0.92000	0.91000	7.37971	7.63698	False	-0.14466
287796	0.72000	0.70000	10.66863	10.90240	False	-0.32431
287825	0.39000	0.32000	14.11728	14.87080	False	1.78700
287847	0.53000	0.49000	12.69892	13.10028	False	0.33403
287857	0.52000	0.56000	12.79939	12.39612	False	0.17105
288406	0.39250	0.37250	14.09124	14.30096	False	-0.50950
289877	0.67000	0.62000	11.24035	11.77808	False	0.94575
289953	0.69000	0.66000	11.01660	11.35015	False	0.08871
290850	0.24000	0.28000	15.82521	15.33137	False	0.62762
293184	0.61000	0.62000	11.88272	11.77808	False	-1.11278
294379	0.30500	0.32250	15.04029	14.84288	False	-0.64374
294397	0.70000	0.79000	10.90240	9.77432	False	3.18652
294425	0.53000	0.54500	12.69892	12.54785	False	-0.89671
296422	0.66000	0.71000	11.35015	10.78646	False	0.81331
296423	0.69000	0.70000	11.01660	10.90240	False	-1.09359
296462	0.75000	0.77000	10.30204	10.04461	False	-0.50602
296473	0.60500	0.60500	11.93476	11.93476	False	-1.34272
299282	0.75000	0.76000	10.30204	10.17479	False	-1.05592
299290	0.74000	0.70000	10.42662	10.90240	False	0.70394
299313	0.49000	0.49000	13.10028	13.10028	False	-1.37120
299356	0.49000	0.55000	13.10028	12.49735	False	1.02181
300268	0.57000	0.57000	12.29450	12.29450	False	-1.35151
300274	0.75000	0.78000	10.30204	9.91123	False	0.05744
300302	0.60000	0.55000	11.98661	12.49735	False	0.81352
300308	0.76000	0.77000	10.17479	10.04461	False	-1.04667
300309	0.68000	0.68000	11.12920	11.12920	False	-1.32304

**Table J-21. 2014 MCAS: Rescore Analysis Results –
ELA Grade 3**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
257044	4	1.57635	1.55665	0.87191	0.98528	-0.02260	False
286604A	2	1.07389	0.98030	0.57974	0.67458	-0.16145	False
286605B	2	1.22927	1.22927	0.67237	0.65013	0.00000	False
257128	4	1.29756	1.42927	0.88242	0.96565	0.14926	False

**Table J-22. 2014 MCAS: Rescore Analysis Results –
ELA Grade 4**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
286474	4	1.94118	2.00000	0.95022	1.05045	0.06190	False
256212	4	1.80788	1.87685	0.98380	0.90083	0.07010	False
255620	4	1.60294	1.72549	0.94904	0.91141	0.12913	False

**Table J-23. 2014 MCAS: Rescore Analysis Results –
ELA Grade 5**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
286810	4	1.94118	1.86275	0.94503	0.92090	-0.08299	False
205153	4	2.18137	2.21078	0.95280	0.92565	0.03087	False
291595	4	2.12683	1.94146	0.88756	0.82634	-0.20885	False

**Table J-24. 2014 MCAS: Rescore Analysis Results –
ELA Grade 6**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
271412	4	1.92500	2.00000	1.00720	1.14304	0.07446	False
276531	4	2.03941	2.00493	1.03332	0.99253	-0.03337	False
257689	4	1.97073	1.92195	0.95441	1.01641	-0.05111	False

**Table J-25. 2014 MCAS: Rescore Analysis Results –
ELA Grade 7**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
292889	4	1.64216	1.78431	1.09831	1.15009	0.12943	False
234121	4	2.18049	2.36098	1.05329	0.99333	0.17136	False
225055	4	2.08696	2.11594	1.06679	1.06857	0.02717	False

**Table J-26. 2014 MCAS: Rescore Analysis Results –
ELA Grade 8**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
207193	4	2.50000	2.67647	1.05279	1.04727	0.16762	False
283698	4	2.40686	2.33333	1.08103	1.09485	-0.06802	False
283842	4	2.06829	1.87317	0.98778	0.98693	-0.19754	False

**Table J-27. 2014 MCAS: Rescore Analysis Results –
ELA Grade 10**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
299083	4	2.39801	2.34328	0.98529	0.98314	-0.05554	False
302886	4	2.27941	2.29412	0.98028	0.96835	0.01500	False
292414	4	1.90099	2.16832	1.05099	1.04209	0.25436	False
302652	4	2.19307	2.30693	0.92900	1.09037	0.12256	False
290909	4	1.97044	1.88177	1.03843	1.02243	-0.08539	False
303666	4	1.88670	1.68966	1.07720	1.15495	-0.18292	False

**Table J-28. 2014 MCAS: Rescore Analysis Results –
Mathematics Grade 3**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
297399	2	1.04433	1.05911	0.67707	0.69400	0.02183	False
297507	2	1.45366	1.44878	0.65980	0.68853	-0.00739	False

**Table J-29. 2014 MCAS: Rescore Analysis Results –
Mathematics Grade 4**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
287484	4	2.73892	2.75862	1.06975	1.11064	0.01842	False
227315	4	2.39512	2.40488	1.22273	1.17864	0.00798	False

**Table J-30. 2014 MCAS: Rescore Analysis Results –
Mathematics Grade 5**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
280511	4	2.13725	2.00980	1.32084	1.33903	-0.09649	False
294905	4	2.37255	2.25490	1.33111	1.35869	-0.08838	False

**Table J-31. 2014 MCAS: Rescore Analysis Results –
Mathematics Grade 6**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
290253	4	2.06931	2.11386	1.38763	1.36841	0.03211	False
282280	4	2.96585	2.94634	1.24609	1.24146	-0.01566	False

**Table J-32. 2014 MCAS: Rescore Analysis Results –
Mathematics Grade 7**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
208665	4	2.27941	2.26471	1.32627	1.34952	-0.01109	False
272159	4	2.60591	2.65025	1.42202	1.41800	0.03118	False

**Table J-33. 2014 MCAS: Rescore Analysis Results –
Mathematics Grade 8**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
253798	4	2.50495	2.47030	1.50372	1.46658	-0.02305	False
287544	4	2.54187	2.63054	1.23960	1.24934	0.07153	False

**Table J-34. 2014 MCAS: Rescore Analysis Results –
Mathematics Grade 10**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
294697	4	2.66124	2.64169	1.13058	1.10255	-0.01729	False
303393	4	2.03941	1.98030	1.44928	1.44968	-0.04079	False
302066	4	2.37438	2.35961	1.29818	1.26585	-0.01138	False
301486	4	2.08780	2.06341	1.31222	1.33393	-0.01859	False

**Table J-35. 2014 MCAS: Rescore Analysis Results –
STE Grade 5**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
291591	4	1.56716	1.70647	1.14605	1.10695	0.12155	False
291624	4	2.33831	2.23383	1.32687	1.33626	-0.07874	False

**Table J-36. 2014 MCAS: Rescore Analysis Results –
STE Grade 8**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
288327	4	1.51759	1.52764	1.09886	1.11233	0.00915	False
292021	4	2.39698	2.53769	1.31191	1.28048	0.10725	False

**Table J-37. 2014 MCAS: Rescore Analysis Results –
High School Biology**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
279504	4	1.92118	2.05911	1.26009	1.35210	0.10946	False
281196	4	1.22280	1.17617	1.28982	1.26658	-0.03615	False
281157	4	2.31553	2.34951	0.96901	1.01893	0.03507	False
299793	4	2.87437	2.95477	1.27497	1.27246	0.06306	False
296812	4	1.70352	1.65327	1.34748	1.35787	-0.03729	False

**Table J-38. 2014 MCAS: Rescore Analysis Results –
High School Chemistry**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
294709	4	1.94924	1.90863	1.51245	1.53061	-0.02685	False
298326	4	1.57711	1.58209	1.28497	1.36009	0.00387	False
260796	4	1.72683	1.79512	1.23261	1.29206	0.05540	False
244944	4	1.17500	1.25000	1.35609	1.35724	0.05531	False
299725	4	2.05025	2.05528	1.29618	1.32100	0.00388	False

**Table J-39. 2014 MCAS: Rescore Analysis Results –
High School Introductory Physics**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
294258	4	1.98529	1.88235	1.11423	1.19544	-0.09239	False
216428	4	1.99029	1.96117	1.16235	1.23475	-0.02506	False
304275	4	1.96500	1.98000	1.30610	1.26949	0.01148	False
287332	4	1.72277	1.74752	0.87503	0.92366	0.02829	False
293879	4	1.50000	1.50980	0.88338	0.88333	0.01110	False

**Table J-40. 2014 MCAS: Rescore Analysis Results –
High School Technology/Engineering**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
296473	4	2.33000	2.22500	0.99604	0.94619	-0.10542	False
288406	4	1.48529	1.47549	1.49082	1.52003	-0.00658	False
294379	4	1.13930	1.10448	0.86459	0.83739	-0.04028	False
290850	4	0.95455	1.03535	0.84905	0.83754	0.09517	False
294425	4	2.05392	2.10294	1.06328	1.05965	0.04610	False