



October 9, 2009

RE: **Emergency test change notification**

Dear Valued Client:

The following pages detail important information regarding tests requiring database modifications. Please be advised that this urgent change is effective **October 19, 2009**.

Please use this packet of information to update your computer systems/records. This change is important to ensure standardization of our mutual laboratory databases.

If you have any questions about the information contained in this packet, please call our Client Support Department at (866) 522-2206. Thank you for your continued support of NMS Labs and your assistance in implementing this change.

Sincerely,

NMS Labs

Database Changes - Summary

Test Code	Test Name	Method/ CPT code	Specimen Reqs	Stability	Discontinued	Reference Comment
2490B	Lead and ZPP, Blood					•
2492B	Lead, Blood					•
2494B	Lead, Micro and EP (Pediatric), Blood					•
2661B	Metals/Metalloids Panel 1, Blood					•
2663B	Metals/Metalloids Panel 3, Blood					•
2693B	Metals/Metalloids Acute Poisoning Panel, Blood	•				•
2693H	Metals/Metalloids Acute Poisoning Panel, Hair	•				
2693R	Metals/Metalloids Acute Poisoning Panel, RBCs	•				
2693SP	Metals/Metalloids Acute Poisoning Panel, Serum/Plasma	•	•			
2693TI	Metals/Metalloids Acute Poisoning Panel, Tissue	•				
2697B	Metals Acute Poisoning Panel, Blood (CSA)	•				
3066B	Mineral Profile, Blood	•	•			
3066R	Mineral Profile, RBCs	•				
3066SP	Mineral Profile, Serum/Plasma	•	•			
3784U	Potassium - Total, Urine				•	
4180B	Selenium, Blood	•	•	•		
4180H	Selenium, Hair	•				
4180N	Selenium, Nails	•				
4180R	Selenium, RBCs	•				
4180SP	Selenium, Serum/Plasma	•	•	•		
4180TI	Selenium, Tissue	•				
6303B	Firefighter Core Baseline Profile, Blood					•
6365R	Inorganic Panel 8, RBCs	•				
8103B	Environmental Exposure Screen, Blood (Forensic)	•				•

NMS Labs

3701 Welsh Road, Willow Grove, PA 19090

800-522-6671

Updates effective:
October 19, 2009

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TEST UPDATES

Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
8103B	Environmental Exposure Screen, Blood (Forensic)		
	Scope of Analysis: Selenium	40	mcg/L
			ICP/MS (84255)
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		
6365R	Inorganic Panel 8, RBCs		
	Scope of Analysis: Selenium	40	mcg/L
			ICP/MS (84255)
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		
2693B	Metals/Metalloids Acute Poisoning Panel, Blood		
	Scope of Analysis: Selenium	40	mcg/L
			ICP/MS (84255)
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		
2693H	Metals/Metalloids Acute Poisoning Panel, Hair		
	Scope of Analysis: Selenium	1	mcg/g
			ICP/MS (80103, 84255)
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		
2693R	Metals/Metalloids Acute Poisoning Panel, RBCs		
	Scope of Analysis: Selenium	40	mcg/L
			ICP/MS (84255)
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		
2693SP	Metals/Metalloids Acute Poisoning Panel, Serum/Plasma		
	Scope of Analysis: Selenium	20	mcg/L
	Specimen Requirements: Specimen Requirements: 7 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Plasma: Royal Blue top tube (Trace metal-free; EDTA), Serum: Royal Blue top tube (Trace metal-free; No additive) Light Protection: Not Required Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines. Rejection Criteria: Polymer gel separation tube (SST or PST).		ICP/MS (84255)
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated. Requested volume was increased.		
2693TI	Metals/Metalloids Acute Poisoning Panel, Tissue		
	Scope of Analysis: Selenium	1	mcg/g
			ICP/MS (80103, 84255)
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		

TEST UPDATES

Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
2697B	Metals/Metalloids Acute Poisoning Panel, Blood (CSA)		
	Scope of Analysis: Selenium	40	mcg/L
			ICP/MS (84255)
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		
3066B	Mineral Profile, Blood		
	Scope of Analysis: Selenium	40	mcg/L
			ICP/MS (84255)
	Specimen Requirements: Specimen Requirements: 8 mL Blood Transport Temperature: Refrigerated Specimen Container: Green top tube (Sodium Heparin) AND Royal Blue top tube (Trace metal-free; EDTA) Light Protection: Not Required Special Handling: Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable. Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA). Light Blue top tube (Sodium Citrate). Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; EDTA). Royal Blue top tube (Trace metal-free; Sodium Heparin). Tan top tube - glass (Sodium Heparin). Tan top tube - plastic (K2EDTA). Yellow top tube (ACD - Acid Citrate Dextrose).		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated. Requested volume was decreased.		
3066R	Mineral Profile, RBCs		
	Scope of Analysis: Selenium	40	mcg/L
			ICP/MS (84255)
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		
3066SP	Mineral Profile, Serum/Plasma		
	Scope of Analysis: Selenium	20	mcg/L
			ICP/MS (84255)
	Specimen Requirements: Specimen Requirements: 8 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Green top tube (Sodium Heparin) AND Royal Blue top tube (Trace metal-free; EDTA) Light Protection: Not Required Special Handling: Hemolyzed Specimens are unsuitable for analysis. Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines. Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Lavender top tube (EDTA). Light Blue top tube (Sodium Citrate). Polymer gel separation tube (SST or PST). Royal Blue top tube (Trace metal-free; EDTA). Tan top tube - plastic (K2EDTA). Yellow top tube (ACD - Acid Citrate Dextrose).		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated. Requested volume was decreased.		

TEST UPDATES

Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
4180B	Selenium, Blood		
	Scope of Analysis: Selenium	40	mcg/L
	Specimen Requirements: Specimen Requirements: 1 mL Blood Transport Temperature: Refrigerated Specimen Container: Royal Blue top tube (Trace metal-free; EDTA) Light Protection: Not Required Special Handling: Clotted Blood specimens are not acceptable. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable. Rejection Criteria: Green top tube (Sodium Heparin). Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Tan top tube - glass (Sodium Heparin).		ICP/MS (84255)
	Stability: Room Temperature: 1 month(s) Refrigerated: 1 month(s) Frozen (-20 °C): 1 month(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated. Requested volume was decreased. Stability was updated.		
4180H	Selenium, Hair		
	Scope of Analysis: Selenium	1	mcg/g
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		ICP/MS (80103, 84255)
4180N	Selenium, Nail		
	Scope of Analysis: Selenium	1	mcg/g
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		ICP/MS (80103, 84255)
4180R	Selenium, RBCs		
	Scope of Analysis: Selenium	40	mcg/L
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		ICP/MS (84255)

Updates effective:
October 19, 2009

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TEST UPDATES

Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
4180SP	Selenium, Serum/Plasma		
	Scope of Analysis: Selenium	20	mcg/L
	Specimen Requirements: Specimen Requirements: 1 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Plasma: Royal Blue top tube (Trace metal-free; EDTA), Serum: Royal Blue top tube (Trace metal-free; No additive) Light Protection: Not Required Special Handling: Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines. Rejection Criteria: Polymer gel separation tube (SST or PST).		ICP/MS (84255)
	Stability: Room Temperature: 28 day(s) Refrigerated: 28 day(s) Frozen (-20 °C): 28 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated. Requested volume was decreased. Stability was updated.		
4180TI	Selenium, Tissue		
	Scope of Analysis: Selenium	1	mcg/g
	Summary of Updates: For Quality Improvement purposes the following updates were made. Method was updated.		ICP/MS (80103, 84255)

DISCONTINUED TESTS

Test Code	Test Name	Alternative Test
3784U	Potassium - Total, Urine	No alternate test available

REFERENCE COMMENT UPDATES

Test Code	Test Name / Compound	New Reference Comment
8103B	<p>Environmental Exposure Screen, Blood (Forensic)</p> <ul style="list-style-type: none"> Lead 	<p>Reported geometric mean blood lead concentration for US population (both adults and children) is less than 3 mcg/dL (taking into account the 95% CI).</p> <p>The following are the reported age-based 50th and 95th percentiles (with 95% CI)*:</p> <p>Age 1 - 5 years: 50th Percentile: 1.50 mcg/dL (1.40 - 1.70) 95th Percentile: 5.80 mcg/dL (4.70 - 6.90)</p> <p>Age 6 - 11 years: 50th Percentile: 1.10 mcg/dL (1.00 - 1.30) 95th Percentile: 3.70 mcg/dL (3.00-4.70)</p> <p>Age 12 - 19 years: 50th Percentile: 0.80 mcg/dL (0.800 - 0.900) 95th Percentile: 2.70 mcg/dL (2.30 - 2.90)</p> <p>Age 20 years and above: 50th Percentile: 1.60 mcg/dL (1.50 - 1.60) 95th Percentile: 4.60 mcg/dL (4.20 - 4.90)</p> <p>*National Health and Nutrition Examination Survey, 2001-2002 data; Third National Report on Human Exposure to Environmental Chemicals, Department of Health and Human Services, Centers for Disease Control and Prevention.</p> <p>It is reported that blood lead levels in the range of 5 - 9 mcg/dL have been associated with adverse health effects in children aged 6 years and younger. Additionally, the following guidelines are offered by US Centers for Disease Control and Prevention, especially in respect to children: 10 - 14 mcg/dL is moderately high and may require re-screening. 20 - 44 mcg/dL is high and may require immediate medical attention. 45 - 69 mcg/dL requires urgent attention. Greater than 70 mcg/dL is a medical emergency.</p> <p>Refer to OSHA's website for workplace information. Various states require that blood lead concentrations above certain mandated cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.</p>

REFERENCE COMMENT UPDATES

Test Code	Test Name / Compound	New Reference Comment
6303B	Firefighter Core Baseline Profile, Blood <ul style="list-style-type: none"> • Lead 	<p>Reported geometric mean blood lead concentration for US population (both adults and children) is less than 3 mcg/dL (taking into account the 95% CI).</p> <p>The following are the reported age-based 50th and 95th percentiles (with 95% CI)*:</p> <p>Age 1 - 5 years: 50th Percentile: 1.50 mcg/dL (1.40 - 1.70) 95th Percentile: 5.80 mcg/dL (4.70 - 6.90)</p> <p>Age 6 - 11 years: 50th Percentile: 1.10 mcg/dL (1.00 - 1.30) 95th Percentile: 3.70 mcg/dL (3.00-4.70)</p> <p>Age 12 - 19 years: 50th Percentile: 0.80 mcg/dL (0.800 - 0.900) 95th Percentile: 2.70 mcg/dL (2.30 - 2.90)</p> <p>Age 20 years and above: 50th Percentile: 1.60 mcg/dL (1.50 - 1.60) 95th Percentile: 4.60 mcg/dL (4.20 - 4.90)</p> <p>*National Health and Nutrition Examination Survey, 2001-2002 data; Third National Report on Human Exposure to Environmental Chemicals, Department of Health and Human Services, Centers for Disease Control and Prevention.</p> <p>It is reported that blood lead levels in the range of 5 - 9 mcg/dL have been associated with adverse health effects in children aged 6 years and younger. Additionally, the following guidelines are offered by US Centers for Disease Control and Prevention, especially in respect to children: 10 - 14 mcg/dL is moderately high and may require re-screening. 20 - 44 mcg/dL is high and may require immediate medical attention. 45 - 69 mcg/dL requires urgent attention. Greater than 70 mcg/dL is a medical emergency.</p> <p>Refer to OSHA's website for workplace information. Various states require that blood lead concentrations above certain mandated cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.</p>

REFERENCE COMMENT UPDATES

Test Code	Test Name / Compound	New Reference Comment
2492B	<p>Lead, Blood</p> <ul style="list-style-type: none"> Lead 	<p>Reported geometric mean blood lead concentration for US population (both adults and children) is less than 3 mcg/dL (taking into account the 95% CI).</p> <p>The following are the reported age-based 50th and 95th percentiles (with 95% CI)*:</p> <p>Age 1 - 5 years: 50th Percentile: 1.50 mcg/dL (1.40 - 1.70) 95th Percentile: 5.80 mcg/dL (4.70 - 6.90)</p> <p>Age 6 - 11 years: 50th Percentile: 1.10 mcg/dL (1.00 - 1.30) 95th Percentile: 3.70 mcg/dL (3.00-4.70)</p> <p>Age 12 - 19 years: 50th Percentile: 0.80 mcg/dL (0.800 - 0.900) 95th Percentile: 2.70 mcg/dL (2.30 - 2.90)</p> <p>Age 20 years and above: 50th Percentile: 1.60 mcg/dL (1.50 - 1.60) 95th Percentile: 4.60 mcg/dL (4.20 - 4.90)</p> <p>*National Health and Nutrition Examination Survey, 2001-2002 data; Third National Report on Human Exposure to Environmental Chemicals, Department of Health and Human Services, Centers for Disease Control and Prevention.</p> <p>It is reported that blood lead levels in the range of 5 - 9 mcg/dL have been associated with adverse health effects in children aged 6 years and younger. Additionally, the following guidelines are offered by US Centers for Disease Control and Prevention, especially in respect to children: 10 - 14 mcg/dL is moderately high and may require re-screening. 20 - 44 mcg/dL is high and may require immediate medical attention. 45 - 69 mcg/dL requires urgent attention. Greater than 70 mcg/dL is a medical emergency.</p> <p>Refer to OSHA's website for workplace information. Various states require that blood lead concentrations above certain mandated cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.</p>

REFERENCE COMMENT UPDATES

Test Code	Test Name / Compound	New Reference Comment
2490B	<p>Lead and ZPP, Blood</p> <ul style="list-style-type: none"> Lead 	<p>Reported geometric mean blood lead concentration for US population (both adults and children) is less than 3 mcg/dL (taking into account the 95% CI).</p> <p>The following are the reported age-based 50th and 95th percentiles (with 95% CI)*:</p> <p>Age 1 - 5 years: 50th Percentile: 1.50 mcg/dL (1.40 - 1.70) 95th Percentile: 5.80 mcg/dL (4.70 - 6.90)</p> <p>Age 6 - 11 years: 50th Percentile: 1.10 mcg/dL (1.00 - 1.30) 95th Percentile: 3.70 mcg/dL (3.00-4.70)</p> <p>Age 12 - 19 years: 50th Percentile: 0.80 mcg/dL (0.800 - 0.900) 95th Percentile: 2.70 mcg/dL (2.30 - 2.90)</p> <p>Age 20 years and above: 50th Percentile: 1.60 mcg/dL (1.50 - 1.60) 95th Percentile: 4.60 mcg/dL (4.20 - 4.90)</p> <p>*National Health and Nutrition Examination Survey, 2001-2002 data; Third National Report on Human Exposure to Environmental Chemicals, Department of Health and Human Services, Centers for Disease Control and Prevention.</p> <p>It is reported that blood lead levels in the range of 5 - 9 mcg/dL have been associated with adverse health effects in children aged 6 years and younger. Additionally, the following guidelines are offered by US Centers for Disease Control and Prevention, especially in respect to children: 10 - 14 mcg/dL is moderately high and may require re-screening. 20 - 44 mcg/dL is high and may require immediate medical attention. 45 - 69 mcg/dL requires urgent attention. Greater than 70 mcg/dL is a medical emergency.</p> <p>Refer to OSHA's website for workplace information. Various states require that blood lead concentrations above certain mandated cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.</p>

REFERENCE COMMENT UPDATES

Test Code	Test Name / Compound	New Reference Comment
2494B	<p>Lead, Micro and EP (Pediatric), Blood</p> <ul style="list-style-type: none"> Lead 	<p>Reported geometric mean blood lead concentration for US population (both adults and children) is less than 3 mcg/dL (taking into account the 95% CI).</p> <p>The following are the reported age-based 50th and 95th percentiles (with 95% CI)*:</p> <p>Age 1 - 5 years: 50th Percentile: 1.50 mcg/dL (1.40 - 1.70) 95th Percentile: 5.80 mcg/dL (4.70 - 6.90)</p> <p>Age 6 - 11 years: 50th Percentile: 1.10 mcg/dL (1.00 - 1.30) 95th Percentile: 3.70 mcg/dL (3.00-4.70)</p> <p>Age 12 - 19 years: 50th Percentile: 0.80 mcg/dL (0.800 - 0.900) 95th Percentile: 2.70 mcg/dL (2.30 - 2.90)</p> <p>Age 20 years and above: 50th Percentile: 1.60 mcg/dL (1.50 - 1.60) 95th Percentile: 4.60 mcg/dL (4.20 - 4.90)</p> <p>*National Health and Nutrition Examination Survey, 2001-2002 data; Third National Report on Human Exposure to Environmental Chemicals, Department of Health and Human Services, Centers for Disease Control and Prevention.</p> <p>It is reported that blood lead levels in the range of 5 - 9 mcg/dL have been associated with adverse health effects in children aged 6 years and younger. Additionally, the following guidelines are offered by US Centers for Disease Control and Prevention, especially in respect to children: 10 - 14 mcg/dL is moderately high and may require re-screening. 20 - 44 mcg/dL is high and may require immediate medical attention. 45 - 69 mcg/dL requires urgent attention. Greater than 70 mcg/dL is a medical emergency.</p> <p>Refer to OSHA's website for workplace information. Various states require that blood lead concentrations above certain mandated cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.</p>

REFERENCE COMMENT UPDATES

Test Code	Test Name / Compound	New Reference Comment
2693B	<p>Metals/Metalloids Acute Poisoning Panel, Blood</p> <ul style="list-style-type: none"> Lead 	<p>Reported geometric mean blood lead concentration for US population (both adults and children) is less than 3 mcg/dL (taking into account the 95% CI).</p> <p>The following are the reported age-based 50th and 95th percentiles (with 95% CI)*:</p> <p>Age 1 - 5 years: 50th Percentile: 1.50 mcg/dL (1.40 - 1.70) 95th Percentile: 5.80 mcg/dL (4.70 - 6.90)</p> <p>Age 6 - 11 years: 50th Percentile: 1.10 mcg/dL (1.00 - 1.30) 95th Percentile: 3.70 mcg/dL (3.00-4.70)</p> <p>Age 12 - 19 years: 50th Percentile: 0.80 mcg/dL (0.800 - 0.900) 95th Percentile: 2.70 mcg/dL (2.30 - 2.90)</p> <p>Age 20 years and above: 50th Percentile: 1.60 mcg/dL (1.50 - 1.60) 95th Percentile: 4.60 mcg/dL (4.20 - 4.90)</p> <p>*National Health and Nutrition Examination Survey, 2001-2002 data; Third National Report on Human Exposure to Environmental Chemicals, Department of Health and Human Services, Centers for Disease Control and Prevention.</p> <p>It is reported that blood lead levels in the range of 5 - 9 mcg/dL have been associated with adverse health effects in children aged 6 years and younger. Additionally, the following guidelines are offered by US Centers for Disease Control and Prevention, especially in respect to children: 10 - 14 mcg/dL is moderately high and may require re-screening. 20 - 44 mcg/dL is high and may require immediate medical attention. 45 - 69 mcg/dL requires urgent attention. Greater than 70 mcg/dL is a medical emergency.</p> <p>Refer to OSHA's website for workplace information. Various states require that blood lead concentrations above certain mandated cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.</p>

REFERENCE COMMENT UPDATES

Test Code	Test Name / Compound	New Reference Comment
2663B	<p>Metals/Metalloids Panel 3, Blood</p> <ul style="list-style-type: none"> Lead 	<p>Reported geometric mean blood lead concentration for US population (both adults and children) is less than 3 mcg/dL (taking into account the 95% CI).</p> <p>The following are the reported age-based 50th and 95th percentiles (with 95% CI)*:</p> <p>Age 1 - 5 years: 50th Percentile: 1.50 mcg/dL (1.40 - 1.70) 95th Percentile: 5.80 mcg/dL (4.70 - 6.90)</p> <p>Age 6 - 11 years: 50th Percentile: 1.10 mcg/dL (1.00 - 1.30) 95th Percentile: 3.70 mcg/dL (3.00-4.70)</p> <p>Age 12 - 19 years: 50th Percentile: 0.80 mcg/dL (0.800 - 0.900) 95th Percentile: 2.70 mcg/dL (2.30 - 2.90)</p> <p>Age 20 years and above: 50th Percentile: 1.60 mcg/dL (1.50 - 1.60) 95th Percentile: 4.60 mcg/dL (4.20 - 4.90)</p> <p>*National Health and Nutrition Examination Survey, 2001-2002 data; Third National Report on Human Exposure to Environmental Chemicals, Department of Health and Human Services, Centers for Disease Control and Prevention.</p> <p>It is reported that blood lead levels in the range of 5 - 9 mcg/dL have been associated with adverse health effects in children aged 6 years and younger. Additionally, the following guidelines are offered by US Centers for Disease Control and Prevention, especially in respect to children: 10 - 14 mcg/dL is moderately high and may require re-screening. 20 - 44 mcg/dL is high and may require immediate medical attention. 45 - 69 mcg/dL requires urgent attention. Greater than 70 mcg/dL is a medical emergency.</p> <p>Refer to OSHA's website for workplace information. Various states require that blood lead concentrations above certain mandated cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.</p>

REFERENCE COMMENT UPDATES

Test Code	Test Name / Compound	New Reference Comment
2661B	<p>Metals/Metalloids Panel 1, Blood</p> <ul style="list-style-type: none"> Lead 	<p>Reported geometric mean blood lead concentration for US population (both adults and children) is less than 3 mcg/dL (taking into account the 95% CI).</p> <p>The following are the reported age-based 50th and 95th percentiles (with 95% CI)*:</p> <p>Age 1 - 5 years: 50th Percentile: 1.50 mcg/dL (1.40 - 1.70) 95th Percentile: 5.80 mcg/dL (4.70 - 6.90)</p> <p>Age 6 - 11 years: 50th Percentile: 1.10 mcg/dL (1.00 - 1.30) 95th Percentile: 3.70 mcg/dL (3.00-4.70)</p> <p>Age 12 - 19 years: 50th Percentile: 0.80 mcg/dL (0.800 - 0.900) 95th Percentile: 2.70 mcg/dL (2.30 - 2.90)</p> <p>Age 20 years and above: 50th Percentile: 1.60 mcg/dL (1.50 - 1.60) 95th Percentile: 4.60 mcg/dL (4.20 - 4.90)</p> <p>*National Health and Nutrition Examination Survey, 2001-2002 data; Third National Report on Human Exposure to Environmental Chemicals, Department of Health and Human Services, Centers for Disease Control and Prevention.</p> <p>It is reported that blood lead levels in the range of 5 - 9 mcg/dL have been associated with adverse health effects in children aged 6 years and younger. Additionally, the following guidelines are offered by US Centers for Disease Control and Prevention, especially in respect to children: 10 - 14 mcg/dL is moderately high and may require re-screening. 20 - 44 mcg/dL is high and may require immediate medical attention. 45 - 69 mcg/dL requires urgent attention. Greater than 70 mcg/dL is a medical emergency.</p> <p>Refer to OSHA's website for workplace information. Various states require that blood lead concentrations above certain mandated cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.</p>