



Effective Date:
Monday, April 06, 2020

Test Updates

In our continuing effort to provide you with the highest quality toxicology laboratory services available, we have compiled important changes regarding a number of tests we perform. Listed below are the types of changes that may be included in this notification, effective Monday, April 06, 2020

Test Changes - Tests that have had changes to the method/ CPT code, units of measurement, scope of analysis, reference comments, or specimen requirements.

Discontinued Tests - Tests being discontinued with alternate testing suggestions.

Please use this information to update your computer systems/records. These changes are important to ensure standardization of our mutual laboratory databases.

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

The CPT Codes provided in this document are based on AMA guidelines and are for informational purposes only. NMS Labs does not assume responsibility for billing errors due to reliance on the CPT Codes listed in this document.



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Test Updates

Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
0080U	Acetone, Urine							•	
0410B	Antimony, Blood							•	
0410R	Antimony, RBCs							•	
0410SP	Antimony, Serum/Plasma							•	
0785B	Aromatic Solvents Exposure Panel, Blood					•		•	
0890SP	Butyl Acetate, n-, iso-, sec- and tert-, Serum/Plasma								•
0938R	Calcium - Total, RBCs			•	•				
2423B	Comprehensive Volatiles Panel, Blood	•						•	
1330R	Copper, RBCs			•	•				
8082B	DUID/DRE Inhalants Add-On ProofPOSITIVE®, Blood (Forensic)					•			
8103B	Environmental Exposure Screen, Blood (Forensic)							•	
6303B	Firefighter Core Baseline Profile, Blood					•			
2321B	Hydrocarbon and Oxygenated Volatiles Panel, Blood					•			
2321FL	Hydrocarbon and Oxygenated Volatiles Panel, Fluid					•			
2321U	Hydrocarbon and Oxygenated Volatiles Panel, Urine					•			
2417B	Inhalant Intoxicants Profile, Blood								•
54300B	Inhalants 1 Confirmation (DUID/DRE), Blood					•			
2408B	Inhalants Panel, Blood (CSA)								•
2413B	Inhalants Panel, Solvents and Gases, Blood								•
2411B	Inhalants Panel, Solvents, Blood					•			
2411U	Inhalants Panel, Solvents, Urine								•
2445U	Isopropanol and Acetone, Urine							•	
2450B	Isopropyl Ether, Blood								•
2450SP	Isopropyl Ether, Serum/Plasma								•
2481B	Ketone Panel, Blood		•			•			
2481FL	Ketone Panel, Fluid					•			
2481SP	Ketone Panel, Serum/Plasma								•
2481U	Ketone Panel, Urine		•			•		•	
2551R	Magnesium - Total, RBCs			•	•				
2697B	Metals Acute Poisoning Panel, Blood (CSA)							•	



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Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
2693B	Metals/Metalloids Acute Poisoning Panel, Blood							•	
2693R	Metals/Metalloids Acute Poisoning Panel, RBCs							•	
2693SP	Metals/Metalloids Acute Poisoning Panel, Serum/Plasma							•	
8104B	Postmortem, Fire Death Screen, Blood (Forensic)							•	
3784R	Potassium - Total, RBCs			•	•				
2667B	Proficiency Panel 1, Blood							•	
2667SP	Proficiency Panel 1, Serum/Plasma							•	
0871B	Solvent Exposure Profile, Blood								•
2415B	Volatile and Halocarbon Intoxicants, Blood	•				•			
2320B	Volatiles Panel, Blood								•
2320SP	Volatiles Panel, Serum/Plasma								•
2320TI	Volatiles Panel, Tissue								•
2320U	Volatiles Panel, Urine								•
4820B	Xylenes Panel, Blood					•			
4820SP	Xylenes Panel, Serum/Plasma								•
4844R	Zinc, RBCs			•	•				
10021R	Zinc, RBCs (CSA)			•	•				



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Test Changes

0080U Acetone, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (80320): Acetone
Method (CPT Code)

Compound Name	Units	Reference Comment
Acetone	mg/dL	Biological Exposure Index (ACGIH): Following workplace exposure to Acetone: 2.5 mg/dL measured in a urine specimen collected at end of shift. Following workplace exposure to 2-Propanol: 4 mg/dL measured in a urine specimen collected at end of shift at end of work week.

0410B Antimony, Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: ICP/MS (83018): Antimony
Method (CPT Code)

Compound Name	Units	Reference Comment
Antimony	mcg/L	Normally: Less than 5 mcg/L. NMS Labs has demonstrated that certain collection tubes can artifactually increase measured antimony concentrations rendering reported concentrations difficult to interpret. Please call NMS Client Services if more specific information is required.

0410R Antimony, RBCs

Summary of Changes: Reference Comment was changed.

Scope of Analysis: ICP/MS (83018): Antimony
Method (CPT Code)



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Compound Name	Units	Reference Comment
Antimony	mcg/L	<p>The RBC sample used for analysis was measured by weight and multiplied by the density of human RBC (1.10 g/mL) Not for clinical diagnostic purposes.</p> <p>NMS Labs has demonstrated that certain collection tubes can artifactually increase measured antimony concentrations rendering reported concentrations difficult to interpret. Please call NMS Client Services if more specific information is required.</p>

0410SP Antimony, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: ICP/MS (83018): Antimony
Method (CPT Code)

Compound Name	Units	Reference Comment
Antimony	mcg/L	<p>Normally: Less than 1 mcg/L.</p> <p>NMS Labs has demonstrated that certain collection tubes can artifactually increase measured antimony concentrations rendering reported concentrations difficult to interpret. Please call NMS Client Services if more specific information is required.</p>

0785B Aromatic Solvents Exposure Panel, Blood

Summary of Changes: Scope of Analysis was changed.
Xylenes (o,m,p) – Total was added.
Reference Comment was changed.

Scope of Analysis: Headspace GC (84600): Benzene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) – Total, Ethylbenzene, Styrene

Compound Name	Units	Reference Comment
m-Xylene	mcg/mL	[Reference comment removed]
Xylenes (o,m,p) – Total	mcg/mL	Following daily exposure to 100 ppm Xylenes: Approximately 1 mcg (Total Xylenes)/mL.

0938R Calcium - Total, RBCs



Test Updates

Test Changes

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.

Specimen Requirements: 2 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Green top tube (Sodium Heparin)
Light Protection: Not Required
Special Handling: Centrifuge and separate RBCs into an acid washed plastic screw capped vial within two hours of collection.
Rejection Criteria: Received Room Temperature. Received Frozen. Lavender top tube (EDTA).
Stability: Room Temperature: Not Stable
Refrigerated: 30 day(s)
Frozen (-20 °C): Not Stable

2423B Comprehensive Volatiles Panel, Blood

Summary of Changes: Test Name was changed.
Reference Comment was changed.

Scope of Analysis: Headspace GC (84600): Volatiles
Method (CPT Code) GC (84600): Methane, Ethane, Propane, Isobutane, n-Butane
GC (82441): Halocarbons
GC/MS (84600): 1,1-Difluoroethane, 1,1,1,2-Tetrafluoroethane

Compound Name	Units	Reference Comment
Volatiles		Scope of analysis: Acetaldehyde, Acetone, Acetonitrile, Acrylonitrile, Benzene, Butane, n-Butanol, sec-Butanol, tert-Butanol, iso-Butanol, n-Butyl Acetate, Carbon Tetrachloride, Chloroform, Cumene, Cyclohexane, 1,1-Dichloroethane, 1,2-Dichloroethane, trans-1,2-Dichloroethylene, Enflurane, Ethanol, Ethyl Benzene, Ethyl Ether, Ethyl t-Butyl Ether, Freon 11, Freon 12, Freon 113, Halothane, n-Heptane, n-Hexane, Isoamyl Alcohol, Isoflurane, Isopropanol, Isovaleraldehyde, Methanol, Methoxyflurane, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Methyl t-Butyl Ether, Methylene Chloride, Methylpentanes, n-Nonane, n-Octane, Paraldehyde, n-Pentane, Propane, Propanol, Styrene, Tetrachloroethane, Perchloroethylene (Tetrachloroethylene), Tetrahydrofuran, Toluene, 1,1,1-Trichloroethane, Trichloroethylene, Xylenes

1330R Copper, RBCs

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.



Test Updates

Test Changes

Specimen Requirements: 2 mL RBCs
 Transport Temperature: Refrigerated
 Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
 Light Protection: Not Required
 Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper. Tubes containing Heparin based anticoagulants are not acceptable.
 Rejection Criteria: Received Room Temperature. Received Frozen. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Green top tube (Sodium Heparin).
 Stability: Room Temperature: Not Stable
 Refrigerated: 14 day(s)
 Frozen (-20 °C): Not Stable

8082B DUID/DRE Inhalants Add-On ProofPOSITIVE®, Blood (Forensic)

Summary of Changes: Scope of Analysis was changed.
 Xylenes (o,m,p) – Total was added.
 Amyl Alcohol and Ethyl Acetate were removed.

Scope of Analysis: Headspace GC (84600): n-Butanol, Isobutanol, Iso-Amyl Alcohol, Benzene, Ethyl Ether, Heptane, Hexane, Methyl Ethyl Ketone, Pentane, Styrene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) – Total
 Method (CPT Code) GC (84600): Methane, Ethane, Propane, Isobutane, n-Butane
 GC/MS (84600): 1,1-Difluoroethane, 1,1,1,2-Tetrafluoroethane

Compound Name	Units	Reference Comment
Xylenes (o,m,p) – Total	mcg/mL	Following daily exposure to 100 ppm Xylenes: Approximately 1 mcg (Total Xylenes)/mL.

8103B Environmental Exposure Screen, Blood (Forensic)

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80307): Cyanide
 Method (CPT Code) Colorimetry (80307): Bromides
 Headspace GC (80307): Ethanol, Blood Alcohol Concentration (BAC), Methanol, Isopropanol, Acetone
 ICP/MS (82175): Arsenic, Antimony, Thallium, Lead, Bismuth
 ICP/MS (84255): Selenium
 ICP/MS (83825): Mercury
 GC (83921): Trichloroacetic Acid
 Headspace GC (84600): Volatiles
 GC (84600): Methane, Ethane, Propane, Isobutane, n-Butane
 GC (84600): Halocarbons
 EZA (82480): Cholinesterase
 SP (80307): Carboxyhemoglobin
 SP (83050, 83060): Methemoglobin, Sulphemoglobin



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Compound Name	Units	Reference Comment
Volatiles		Scope of analysis: Acetaldehyde, Acetone, Acetonitrile, Acrylonitrile, Benzene, Butane, n-Butanol, sec-Butanol, tert-Butanol, iso-Butanol, n-Butyl Acetate, Carbon Tetrachloride, Chloroform, Cumene, Cyclohexane, 1,1-Dichloroethane, 1,2-Dichloroethane, trans-1,2-Dichloroethylene, Enflurane, Ethanol, Ethyl Benzene, Ethyl Ether, Ethyl t-Butyl Ether, Freon 11, Freon 12, Freon 113, Halothane, n-Heptane, n-Hexane, Isoamyl Alcohol, Isoflurane, Isopropanol, Isovaleraldehyde, Methanol, Methoxyflurane, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Methyl t-Butyl Ether, Methylene Chloride, Methylpentanes, n-Nonane, n-Octane, Paraldehyde, n-Pentane, Propane, Propanol, Styrene, Tetrachloroethane, Perchloroethylene (Tetrachloroethylene), Tetrahydrofuran, Toluene, 1,1,1-Trichloroethane, Trichloroethylene, Xylenes
Antimony	mcg/L	Normally: Less than 5 mcg/L. NMS Labs has demonstrated that certain collection tubes can artifactually increase measured antimony concentrations rendering reported concentrations difficult to interpret. Please call NMS Client Services if more specific information is required.

6303B Firefighter Core Baseline Profile, Blood

Summary of Changes: Scope of Analysis was changed.
o-Xylene, p-Xylene, m-Xylene and Xylenes (o,m,p) – Total were added.
Xylenes (o,m,p) was removed.

Scope of Analysis: ICP/MS (83655): Lead
Method (CPT Code) H (84202): ZPP, ZPP (OSHA Converted Units)
Headspace GC (84600): Benzene, Ethylbenzene, Styrene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) – Total, n-Heptane, n-Hexane, Methylpentanes (2- and 3- Isomers), Pentane, n-Butanol, Ethanol, Isopropanol, n-Propanol, Methanol, Acetaldehyde, Acetone, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Diethyl Ether, Methyl Tertiary Butyl Ether

Compound Name	Units	Reference Comment
o-Xylene	mcg/mL	
p-Xylene	mcg/mL	
m-Xylene	mcg/mL	
Xylenes (o,m,p) – Total	mcg/mL	Following daily exposure to 100 ppm Xylenes: Approximately 1 mcg (Total Xylenes)/mL.

2321B Hydrocarbon and Oxygenated Volatiles Panel, Blood



Test Updates

Test Changes

Summary of Changes: Scope of Analysis was changed.
o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) – Total, Sec-Butanol, Tert-Butanol, Iso-Amyl Alcohol, Isobutanol and Tetrahydrofuran were added.
Xylenes (o,m,p) was removed.

Scope of Analysis: Headspace GC (84600): Benzene, Ethylbenzene, Styrene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) – Total, n-Heptane, n-Hexane, Methylpentanes (2- and 3- Isomers), Pentane, n-Butanol, Ethanol, Isopropanol, n-Propanol, Methanol, Acetaldehyde, Acetone, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Diethyl Ether, Methyl Tertiary Butyl Ether, Sec-Butanol, Tert-Butanol, Iso-Amyl Alcohol, Isobutanol, Tetrahydrofuran

Compound Name	Units	Reference Comment
o-Xylene	mcg/mL	
p-Xylene	mcg/mL	
m-Xylene	mcg/mL	
Xylenes (o,m,p) – Total	mcg/mL	Following daily exposure to 100 ppm Xylenes: Approximately 1 mcg (Total Xylenes)/mL.
Sec-Butanol	mcg/mL	
Tert-Butanol	mcg/mL	
Iso-Amyl Alcohol	mcg/mL	
Isobutanol	mcg/mL	
Tetrahydrofuran	mcg/mL	

2321FL Hydrocarbon and Oxygenated Volatiles Panel, Fluid

Summary of Changes: Scope of Analysis was changed.
o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) – Total, Sec-Butanol, Tert-Butanol, Iso-Amyl Alcohol and Tetrahydrofuran were added.
Xylenes (o,m,p) was removed.

Scope of Analysis: Headspace GC (84600): Isobutanol, Benzene, Ethylbenzene, Styrene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) – Total, n-Heptane, n-Hexane, Methylpentanes (2- and 3- Isomers), Pentane, n-Butanol, Ethanol, Isopropanol, n-Propanol, Methanol, Acetaldehyde, Acetone, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Diethyl Ether, Methyl Tertiary Butyl Ether, Sec-Butanol, Tert-Butanol, Iso-Amyl Alcohol, Tetrahydrofuran

Compound Name	Units	Reference Comment
o-Xylene	mcg/mL	
p-Xylene	mcg/mL	
m-Xylene	mcg/mL	
Xylenes (o,m,p) – Total	mcg/mL	
Sec-Butanol	mcg/mL	
Tert-Butanol	mcg/mL	
Iso-Amyl Alcohol	mcg/mL	
Tetrahydrofuran	mcg/mL	

2321U Hydrocarbon and Oxygenated Volatiles Panel, Urine



Test Updates

Test Changes

Summary of Changes: Scope of Analysis was changed.
Tetrahydrofuran, Iso-Amyl Alcohol, Isobutanol, Tert-Butanol and Sec-Butanol were added.
Acetaldehyde, Benzene, Diethyl Ether, Ethylbenzene, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Methyl Tertiary Butyl Ether, Methylpentanes (2- and 3- Isomers), n-Heptane, n-Hexane, Pentane, Styrene, Toluene and Xylenes (o,m,p) were removed.

Scope of Analysis: Headspace GC (84600): n-Butanol, Ethanol, Isopropanol, n-Propanol, Methanol,
Method (CPT Code) Acetone, Isobutanol, Tert-Butanol, Tetrahydrofuran, Iso-Amyl Alcohol, Sec-Butanol

Compound Name	Units	Reference Comment
Isobutanol	mcg/mL	No reference data available.
Tert-Butanol	mcg/mL	
Tetrahydrofuran	mcg/mL	Biological Exposure Index (ACGIH): Following workplace exposure to Tetrahydrofuran: 2 mcg/mL measured in a urine specimen collected at end of shift.
Iso-Amyl Alcohol	mcg/mL	
Sec-Butanol	mcg/mL	

54300B Inhalants 1 Confirmation (DUID/DRE), Blood

Summary of Changes: Scope of Analysis was changed.
Xylenes (o,m,p) – Total was added.
Amyl Alcohol and Ethyl Acetate were removed.

Scope of Analysis: Headspace GC (84600): n-Butanol, Isobutanol, Iso-Amyl Alcohol, Benzene, Ethyl
Method (CPT Code) Ether, Heptane, Hexane, Methyl Ethyl Ketone, Pentane, Styrene, Toluene, o-Xylene,
p-Xylene, m-Xylene, Xylenes (o,m,p) – Total

Compound Name	Units	Reference Comment
Xylenes (o,m,p) – Total	mcg/mL	Following daily exposure to 100 ppm Xylenes: Approximately 1 mcg (Total Xylenes)/mL.

2411B Inhalants Panel, Solvents, Blood

Summary of Changes: Scope of Analysis was changed.
Benzene, Styrene, Toluene, m-Xylene, o-Xylene and p-Xylene were removed.

Scope of Analysis: Headspace GC (84600): Acetone, n-Butanol, Amyl Alcohol, Isobutanol, Iso-Amyl
Method (CPT Code) Alcohol, Ethanol, Ethyl Ether, Heptane, Hexane, Isopropanol, Methanol, Methyl Ethyl
Ketone, Pentane

2445U Isopropanol and Acetone, Urine

Summary of Changes: Reference Comment was changed.



Test Updates

Test Changes

Scope of Analysis: Headspace GC (80320): Isopropanol, Acetone
Method (CPT Code)

Compound Name	Units	Reference Comment
Isopropanol	mg/dL	Workers exposed to air isopropanol concentrations of 1 - 66 ppm for 8 hours had urine isopropanol levels of 0 - 0.25 mg/dL and acetone levels of 0 - 2.0 mg/dL.
Acetone	mg/dL	Biological Exposure Index (ACGIH): Following workplace exposure to Acetone: 2.5 mg/dL measured in a urine specimen collected at end of shift. Following workplace exposure to 2-Propanol: 4 mg/dL measured in a urine specimen collected at end of shift at end of work week.

2481B Ketone Panel, Blood

Summary of Changes: Scope of Analysis was changed.
Methods/CPT Codes were changed [Headspace GC (84600)]
Methyl n-Propyl Ketone, Methyl n-Amyl Ketone, Methyl Isoamyl Ketone, Diisobutyl Ketone and Mesityl Oxide were removed.

Scope of Analysis: Headspace GC (84600): Acetone, Methyl Ethyl Ketone, Methyl n-Butyl Ketone,
Method (CPT Code) Methyl Isobutyl Ketone, Cyclohexanone

2481FL Ketone Panel, Fluid

Summary of Changes: Scope of Analysis was changed.
Methyl n-Propyl Ketone, Methyl n-Amyl Ketone, Methyl Isoamyl Ketone, Diisobutyl Ketone and Mesityl Oxide were removed.

Scope of Analysis: Headspace GC (82542): Acetone, Methyl Ethyl Ketone, Methyl n-Butyl Ketone,
Method (CPT Code) Methyl Isobutyl Ketone, Cyclohexanone

2481U Ketone Panel, Urine

Summary of Changes: Scope of Analysis was changed.
Reference Comment was changed.
Methods/CPT Codes were changed [Headspace GC (82542)]
Methyl n-Propyl Ketone, Methyl n-Butyl Ketone, Methyl n-Amyl Ketone, Methyl Isoamyl Ketone, Diisobutyl Ketone and Mesityl Oxide were removed.

Scope of Analysis: Headspace GC (82542): Acetone, Methyl Ethyl Ketone, Methyl Isobutyl Ketone,
Method (CPT Code) Cyclohexanone



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Compound Name	Units	Reference Comment
Acetone	mg/dL	Biological Exposure Index (ACGIH): Following workplace exposure to Acetone: 2.5 mg/dL measured in a urine specimen collected at end of shift. Following workplace exposure to 2-Propanol: 4 mg/dL measured in a urine specimen collected at end of shift at end of work week.
Methyl Ethyl Ketone	mcg/mL	Biological Exposure Index (ACGIH) - end of shift: 2 mcg/mL
Methyl Isobutyl Ketone	mcg/mL	Biological Exposure Index (ACGIH): Following workplace exposure to MIBK: 1 mcg/mL measured in an end of shift urine specimen.
Cyclohexanone	mcg/mL	Following exposure to cyclohexane air levels of 5 - 330 ppm, urinary cyclohexanone concentrations in workers ranged from 0.01 - 0.22 mcg/mL.

2551R Magnesium - Total, RBCs

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.

Specimen Requirements: 2 mL RBCs
 Transport Temperature: Refrigerated
 Specimen Container: Green top tube (Sodium Heparin)
 Light Protection: Not Required
 Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.
 Rejection Criteria: Received Room Temperature. Received Frozen. Light Blue top tube (Sodium Citrate). Gray top tube (Sodium Fluoride / Potassium Oxalate). Yellow top tube (ACD - Acid Citrate Dextrose).
 Stability: Room Temperature: Not Stable
 Refrigerated: 30 day(s)
 Frozen (-20 °C): Not Stable

2697B Metals Acute Poisoning Panel, Blood (CSA)

Summary of Changes: Reference Comment was changed.



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Scope of Analysis: ICP/MS (None, 82300): Cadmium, Chromium, Cobalt, Molybdenum, Nickel,
Method (CPT Code) Selenium
ICP/MS (82175): Arsenic, Antimony, Bismuth
ICP/MS (83018): Tellurium
ICP/OES (84630): Zinc
ICP/OES (82525): Copper
ICP/MS (83825): Mercury

Compound Name	Units	Reference Comment
Antimony	mcg/L	Normally: Less than 5 mcg/L.

NMS Labs has demonstrated that certain collection tubes can artifactually increase measured antimony concentrations rendering reported concentrations difficult to interpret.
Please call NMS Client Services if more specific information is required.

2693B Metals/Metalloids Acute Poisoning Panel, Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: ICP/MS (82175): Arsenic, Bismuth, Lead, Antimony, Thallium
Method (CPT Code) ICP/MS (83825): Mercury
ICP/MS (84255): Selenium

Compound Name	Units	Reference Comment
Antimony	mcg/L	Normally: Less than 5 mcg/L.

NMS Labs has demonstrated that certain collection tubes can artifactually increase measured antimony concentrations rendering reported concentrations difficult to interpret.
Please call NMS Client Services if more specific information is required.

2693R Metals/Metalloids Acute Poisoning Panel, RBCs

Summary of Changes: Reference Comment was changed.

Scope of Analysis: ICP/MS (82175): Arsenic, Antimony, Thallium, Lead, Bismuth
Method (CPT Code) ICP/MS (83825): Mercury
ICP/MS (84255): Selenium



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Compound Name	Units	Reference Comment
Antimony	mcg/L	<p>The RBC sample used for analysis was measured by weight and multiplied by the density of human RBC (1.10 g/mL) Not for clinical diagnostic purposes.</p> <p>NMS Labs has demonstrated that certain collection tubes can artifactually increase measured antimony concentrations rendering reported concentrations difficult to interpret. Please call NMS Client Services if more specific information is required.</p>

2693SP Metals/Metalloids Acute Poisoning Panel, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: ICP/MS (82175): Arsenic, Antimony, Thallium, Lead, Bismuth
Method (CPT Code) ICP/MS (83825): Mercury
ICP/MS (84255): Selenium

Compound Name	Units	Reference Comment
Antimony	mcg/L	<p>Normally: Less than 1 mcg/L.</p> <p>NMS Labs has demonstrated that certain collection tubes can artifactually increase measured antimony concentrations rendering reported concentrations difficult to interpret. Please call NMS Client Services if more specific information is required.</p>

8104B Postmortem, Fire Death Screen, Blood (Forensic)

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80307): Cyanide
Method (CPT Code) ELISA (80307): Opiates, Cocaine / Metabolites, Benzodiazepines, Cannabinoids, Amphetamines, Barbiturates, Methadone / Metabolite, Phencyclidine, Buprenorphine / Metabolite, Methamphetamine / MDMA, Oxycodone / Oxymorphone, Fentanyl / Acetyl Fentanyl
Headspace GC (84600): Volatiles
SP (80307): Carboxyhemoglobin
SP (83050, 83060): Methemoglobin, Sulfhemoglobin



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Compound Name	Units	Reference Comment
Volatiles		Scope of analysis: Acetaldehyde, Acetone, Acetonitrile, Acrylonitrile, Benzene, Butane, n-Butanol, sec-Butanol, tert-Butanol, iso-Butanol, n-Butyl Acetate, Carbon Tetrachloride, Chloroform, Cumene, Cyclohexane, 1,1-Dichloroethane, 1,2-Dichloroethane, trans-1,2-Dichloroethylene, Enflurane, Ethanol, Ethyl Benzene, Ethyl Ether, Ethyl t-Butyl Ether, Freon 11, Freon 12, Freon 113, Halothane, n-Heptane, n-Hexane, Isoamyl Alcohol, Isoflurane, Isopropanol, Isovaleraldehyde, Methanol, Methoxyflurane, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Methyl t-Butyl Ether, Methylene Chloride, Methylpentanes, n-Nonane, n-Octane, Paraldehyde, n-Pentane, Propane, Propanol, Styrene, Tetrachloroethane, Perchloroethylene (Tetrachloroethylene), Tetrahydrofuran, Toluene, 1,1,1-Trichloroethane, Trichloroethylene, Xylenes

3784R Potassium - Total, RBCs

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.

Specimen Requirements: 2 mL RBCs

Transport Temperature: Refrigerated

Specimen Container: Green top tube (Lithium Heparin)

Light Protection: Not Required

Special Handling: Submit in container with a non-Potassium based preservative/anticoagulant. Tubes containing Potassium based preservatives/anticoagulants are not acceptable. Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.

Rejection Criteria: Received Room Temperature. Received Frozen. Tan top tube - plastic (K2EDTA). Light Green top tube (Lithium Heparin). Pink top tube (EDTA). Light Blue top tube (Sodium Citrate). Gray top tube (Sodium Fluoride / Potassium Oxalate). Yellow top tube (ACD - Acid Citrate Dextrose). White top tube (K2EDTA). Lavender top tube (EDTA).

Stability: Room Temperature: Not Stable
Refrigerated: 30 day(s)
Frozen (-20 °C): Not Stable

2667B Proficiency Panel 1, Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: ICP/MS (None): Arsenic, Strontium, Tin, Antimony, Barium, Thallium, Bismuth
Method (CPT Code)



Effective Date:
Monday, April 06, 2020

Test Updates

Test Changes

Compound Name	Units	Reference Comment
Antimony	mcg/L	Normally: Less than 5 mcg/L.
		NMS Labs has demonstrated that certain collection tubes can artifactually increase measured antimony concentrations rendering reported concentrations difficult to interpret. Please call NMS Client Services if more specific information is required.

2667SP Proficiency Panel 1, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: ICP/MS (None): Arsenic, Tin, Antimony, Barium, Thallium, Lead, Bismuth
Method (CPT Code)

Compound Name	Units	Reference Comment
Antimony	mcg/L	Normally: Less than 1 mcg/L.
		NMS Labs has demonstrated that certain collection tubes can artifactually increase measured antimony concentrations rendering reported concentrations difficult to interpret. Please call NMS Client Services if more specific information is required.

2415B Volatile and Halocarbon Intoxicants, Blood

Summary of Changes: Test Name was changed.
Scope of Analysis was changed.
Xylenes (o,m,p) – Total, o-Xylene, p-Xylene and m-Xylene were added.
n-Amyl Alcohol and Cyclopropane were removed.

Scope of Analysis: Headspace GC (84600): Benzene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) – Total, Acetone, Methyl Ethyl Ketone, Iso-Amyl Alcohol, Isobutanol, n-Butanol, Ethyl Ether, Chloromethane, Dichloromethane, Chloroform, Carbon Tetrachloride, Chloroethane, Dichloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, Trichlorofluoromethane, Dichlorodifluoromethane, Trichlorotrifluoroethane, Methanol, Ethanol, Isopropanol

Compound Name	Units	Reference Comment
o-Xylene	mcg/mL	
p-Xylene	mcg/mL	
m-Xylene	mcg/mL	
Xylenes (o,m,p) – Total	mcg/mL	Following daily exposure to 100 ppm Xylenes: Approximately 1 mcg (Total Xylenes)/mL.



Test Updates

Test Changes

4820B Xylenes Panel, Blood

Summary of Changes: Scope of Analysis was changed.
p-Xylene and Xylenes (o,m,p) – Total were added.

Scope of Analysis: Headspace GC (84600): o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) – Total
Method (CPT Code)

Compound Name	Units	Reference Comment
p-Xylene	mcg/mL	
Xylenes (o,m,p) – Total	mcg/mL	Following daily exposure to 100 ppm Xylenes: Approximately 1 mcg (Total Xylenes)/mL.

10021R Zinc, RBCs (CSA)

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.

Specimen Requirements: 2 mL RBCs

Transport Temperature: Refrigerated

Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)

Light Protection: Not Required

Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper. Tubes containing Heparin based anticoagulants are not acceptable.

Rejection Criteria: Received Room Temperature. Received Frozen. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Lavender top tube (EDTA). Green top tube (Sodium Heparin).

Stability: Room Temperature: Not Stable

Refrigerated: 30 day(s)

Frozen (-20 °C): Not Stable

4844R Zinc, RBCs

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.



Effective Date:
Monday, April 06, 2020

Test Updates

Test Changes

- Specimen Requirements: 2 mL RBCs
- Transport Temperature: Refrigerated
- Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
- Light Protection: Not Required
- Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper. Tubes containing Heparin based anticoagulants are not acceptable.
- Rejection Criteria: Received Room Temperature. Received Frozen. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Lavender top tube (EDTA). Green top tube (Sodium Heparin).
- Stability: Room Temperature: Not Stable
Refrigerated: 30 day(s)
Frozen (-20 °C): Not Stable



Effective Date:
Monday, April 06, 2020

Test Updates

Discontinued Tests

Test Code	Test Name	Alternative Test
0890SP	Butyl Acetate, n-, iso-, sec- and tert-, Serum/Plasma	No Alternate Tests Available
2417B	Inhalant Intoxicants Profile, Blood	No Alternate Tests Available
2408B	Inhalants Panel, Blood (CSA)	No Alternate Tests Available
2413B	Inhalants Panel, Solvents and Gases, Blood	No Alternate Tests Available
2411U	Inhalants Panel, Solvents, Urine	No Alternate Tests Available
2450B	Isopropyl Ether, Blood	No Alternate Tests Available
2450SP	Isopropyl Ether, Serum/Plasma	No Alternate Tests Available
2481SP	Ketone Panel, Serum/Plasma	No Alternate Tests Available
0871B	Solvent Exposure Profile, Blood	No Alternate Tests Available
2320B	Volatiles Panel, Blood	No Alternate Tests Available
2320SP	Volatiles Panel, Serum/Plasma	No Alternate Tests Available
2320TI	Volatiles Panel, Tissue	No Alternate Tests Available
2320U	Volatiles Panel, Urine	No Alternate Tests Available
4820SP	Xylenes Panel, Serum/Plasma	4820B - Xylenes Panel, Blood