



## NMS Labs

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Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

### Supplemental Report

Report Issued 07/28/2026 18:21

Last Report Issued 07/22/2026 16:12

To: 151242

MS Medical Examiner Office - Gulf Coast Lab  
215 Allen Stuart Drive  
Pearl, MS 39208

Patient Name Wells, Nolan X  
Patient ID 260706-821  
Chain 260706-821  
DOB 08/19/2007  
Sex Male  
Workorder 26320389

### Positive Findings:

| Analyte                    | Result      | Units  | Matrix Source             |
|----------------------------|-------------|--------|---------------------------|
| Special Request Finding(s) | Positive    |        | 001 - Decomposition Fluid |
| Cannabinoids               | Presump Pos | ng/mL  | 001 - Decomposition Fluid |
| Ethanol                    | 270         | mg/dL  | 001 - Decomposition Fluid |
| Nicotine                   | Presump Pos | ng/mL  | 001 - Decomposition Fluid |
| Caffeine                   | Presump Pos | mcg/mL | 001 - Decomposition Fluid |
| Cotinine                   | Presump Pos | ng/mL  | 001 - Decomposition Fluid |
| Additional Comment(s)*     | See Note    |        | 001 - Decomposition Fluid |

\*See Detailed Findings section for additional information

Agency Case Number: J30-842-2026

### Testing Requested:

| Test   | Test Name                                            |
|--------|------------------------------------------------------|
| 0960FL | Cannabinoids Panel, Fluid                            |
| 8052FL | Postmortem, Expanded, Fluid (Forensic)               |
| 7903SA | Special Request - LC3: Synthetic Cannabinoids (QUAL) |
| 7910SA | Special Request - TOF: NPS Screen, Fluid             |

### Specimens Received:

| ID  | Tube/Container          | Volume/<br>Mass | Collection<br>Date/Time | Matrix Source       | Labeled As |
|-----|-------------------------|-----------------|-------------------------|---------------------|------------|
| 001 | Gray Stopper Glass Tube | 9.75 mL         | Not Given               | Decomposition Fluid | 260706-821 |
| 002 | Gray Stopper Glass Tube | 8 mL            | Not Given               | Decomposition Fluid | 260706-821 |



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001 07/09/2026

002 07/09/2026

All sample volumes/weights are approximations.  
Specimens received on 07/14/2026.

**Detailed Findings:**

| Analysis and Comments                                                                    | Result        | Units | Rpt. Limit | Specimen Source           | Analysis By            |
|------------------------------------------------------------------------------------------|---------------|-------|------------|---------------------------|------------------------|
| Special Request Finding(s)                                                               | None Detected |       |            | 001 - Decomposition Fluid | [Depending on request] |
| ADMB-FUBINACA = None Detected<br>Reporting Limit = 1.0 ng/mL                             |               |       |            |                           |                        |
| 5-fluoro-PICA 3,3-dimethylbutanoic acid = None Detected<br>Reporting limit = 5.0 ng/mL   |               |       |            |                           |                        |
| 5-fluoro-PINACA 3-methylbutanoic acid = None Detected<br>Reporting limit = 5.0 ng/mL     |               |       |            |                           |                        |
| 4-fluoro-BINACA 3,3-dimethylbutanoic acid = None Detected<br>Reporting limit = 5.0 ng/mL |               |       |            |                           |                        |
| FUBINACA 3-methylbutanoic acid = None Detected<br>Reporting limit = 5.0 ng/mL            |               |       |            |                           |                        |
| 5-fluoro-PINACA 3,3-dimethylbutanoic acid = None Detected<br>Reporting limit = 5.0 ng/mL |               |       |            |                           |                        |
| FUBINACA 3,3-dimethylbutanoic acid = None Detected<br>Reporting limit = 5.0 ng/mL        |               |       |            |                           |                        |
| APP-BINACA = None Detected<br>Reporting limit = 0.10 ng/mL                               |               |       |            |                           |                        |
| 5-fluoro-MDMB-PICA = None Detected<br>Reporting limit = 0.10 ng/mL                       |               |       |            |                           |                        |
| MMB-FUBINACA = None Detected<br>Reporting limit = 0.10 ng/mL                             |               |       |            |                           |                        |
| 5-fluoro-MDMB-PINACA = None Detected<br>Reporting limit = 0.20 ng/mL                     |               |       |            |                           |                        |
| MDMB-4en-PINACA = None Detected<br>Reporting limit = 0.10 ng/mL                          |               |       |            |                           |                        |
| ADMB-CHMINACA = None Detected<br>Reporting limit = 0.10 ng/mL                            |               |       |            |                           |                        |
| 4-fluoro-MDMB-BINACA = None Detected<br>Reporting limit = 0.10 ng/mL                     |               |       |            |                           |                        |
| Analysis by Liquid Chromatography - Tandem Mass Spectrometry (LC-MS/MS)                  |               |       |            |                           |                        |
| Special Request Finding(s)                                                               | Positive      |       |            | 001 - Decomposition Fluid | [Depending on request] |



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| Analysis and Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Result      | Units  | Rpt. Limit | Specimen Source           | Analysis By  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|------------|---------------------------|--------------|
| Caffeine and cotinine are presumptively positive by LC-Time-of-flight mass spectrometry analysis. The reporting limit for both analytes = 200 ng/mL. All other analytes in the NPS panel are none detected. Nicotine and Acryl Fentanyl are not reported due to matrix recovery issues/interferences in spiked aliquots.                                                                                                                                                    |             |        |            |                           |              |
| Cannabinoids                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Presump Pos | ng/mL  | 10         | 001 - Decomposition Fluid | ELISA        |
| This is the result of an unconfirmed immunoassay screen and does not identify which cannabinoid may be present. For forensic purposes, a mass spectrometry confirmation is generally recommended as best practice. It is widely acknowledged, however, that cannabinoid concentrations cannot be reliably interpreted in postmortem specimens. Confirmatory testing by mass spectrometry, including identification of specific cannabinoids, can be performed upon request. |             |        |            |                           |              |
| Ethanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 270         | mg/dL  | 10         | 001 - Decomposition Fluid | Headspace GC |
| Nicotine                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Presump Pos | ng/mL  | 62         | 001 - Decomposition Fluid | GC/MS        |
| This test is an unconfirmed screen. Confirmation by a more definitive technique is recommended.                                                                                                                                                                                                                                                                                                                                                                             |             |        |            |                           |              |
| Caffeine                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Presump Pos | mcg/mL | 0.20       | 001 - Decomposition Fluid | GC/MS        |
| This test is an unconfirmed screen. Confirmation by a more definitive technique is recommended.                                                                                                                                                                                                                                                                                                                                                                             |             |        |            |                           |              |
| Cotinine                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Presump Pos | ng/mL  | 25         | 001 - Decomposition Fluid | GC/MS        |
| This test is an unconfirmed screen. Confirmation by a more definitive technique is recommended.                                                                                                                                                                                                                                                                                                                                                                             |             |        |            |                           |              |
| Ethanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Confirmed   | mg/dL  | 10         | 001 - Decomposition Fluid | Headspace GC |
| Additional Comment(s)*                                                                                                                                                                                                                                                                                                                                                                                                                                                      | See Note    |        |            | 001 - Decomposition Fluid | Notation     |
| Cannabinoids were not detected by LC-MS/MS confirmation. Reporting limits are:<br>11-Hydroxy Delta-9 THC = 1.0 ng/mL<br>Delta-9 Carboxy THC = 5.0 ng/mL<br>Delta-9 THC = 0.50 ng/mL                                                                                                                                                                                                                                                                                         |             |        |            |                           |              |

Examination of the specimen(s) submitted did not reveal any reportable findings by procedure(s) outlined in the accompanying Analysis Summary, other than those listed above. Interpretation of reported findings should be based on the totality of available case information. Reference information is not case-specific but is provided as a general guide.

#### Reference Comments:

1. Ethanol (Ethyl Alcohol) - Decomposition Fluid:

Ethyl alcohol (ethanol, drinking alcohol) is a central nervous system depressant and can cause effects such as impaired judgment, reduced alertness and impaired muscular coordination. Ethanol can also be a product of decomposition or degradation of biological samples.

#### Sample Comments:

001 Autopsy ID: ME26-0514

001 Physician/Pathologist Name: Staci Turner

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded one (1) year from the date of this report; and generated data will be discarded five (5) years from the date the analyses were performed.



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Workorder 26320389 was electronically signed on  
07/28/2026 18:05 by:

Justin O. Brower, Ph.D., F-ABFT  
Forensic Toxicologist

### Analysis Summary and Reporting Limits:

The following test(s) were performed for this case; the scope of each test includes the analyte(s) listed along with the associated reporting limit(s). The reporting limit is the lowest concentration of the analyte that will be reported as positive. Only results that meet reporting criteria at or above the reporting limit appear in the Positive Findings section of the report.

#### Test 0960FL - Cannabinoids Panel, Fluid: 001 - Decomposition Fluid

-Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS) for:

| Analyte                | Rpt. Limit | Analyte     | Rpt. Limit |
|------------------------|------------|-------------|------------|
| 11-Hydroxy Delta-9 THC | 1.0 ng/mL  | Delta-9 THC | 0.50 ng/mL |
| Delta-9 Carboxy THC    | 5.0 ng/mL  |             |            |

#### Test 52250FL - Alcohols and Acetone Confirmation, Fluid: 001 - Decomposition Fluid

-Analysis by Headspace Gas Chromatography (GC) for:

| Analyte | Rpt. Limit | Analyte     | Rpt. Limit |
|---------|------------|-------------|------------|
| Acetone | 5.0 mg/dL  | Isopropanol | 5.0 mg/dL  |
| Ethanol | 10 mg/dL   | Methanol    | 10 mg/dL   |

#### Test 7903SA - Special Request - LC3: Synthetic Cannabinoids (QUAL): 001 - Decomposition Fluid

- for:

| Analyte                    | Rpt. Limit | Analyte | Rpt. Limit |
|----------------------------|------------|---------|------------|
| Special Request Finding(s) | N/A        |         |            |

#### Test 7910SA - Special Request - TOF: NPS Screen, Fluid: 001 - Decomposition Fluid

- for:

| Analyte                    | Rpt. Limit | Analyte | Rpt. Limit |
|----------------------------|------------|---------|------------|
| Special Request Finding(s) | N/A        |         |            |

#### Test 8052FL - Postmortem, Expanded, Fluid (Forensic): 001 - Decomposition Fluid

-Analysis by Colorimetry (C) for:

| Analyte     | Rpt. Limit | Analyte | Rpt. Limit |
|-------------|------------|---------|------------|
| Salicylates | 200 mcg/mL |         |            |

-Analysis by Enzyme-Linked Immunosorbent Assay (ELISA) for:

| Analyte         | Rpt. Limit | Analyte               | Rpt. Limit |
|-----------------|------------|-----------------------|------------|
| Benzodiazepines | 100 ng/mL  | Cocaine / Metabolites | 20 ng/mL   |



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**Analysis Summary and Reporting Limits:**

| <u>Analyte</u>             | <u>Rpt. Limit</u> | <u>Analyte</u>          | <u>Rpt. Limit</u> |
|----------------------------|-------------------|-------------------------|-------------------|
| Buprenorphine / Metabolite | 0.50 ng/mL        | Opiates                 | 20 ng/mL          |
| Cannabinoids               | 10 ng/mL          | Oxycodone / Oxymorphone | 10 ng/mL          |

-Analysis by Gas Chromatography/Mass Spectrometry (GC/MS) for: The following is a general list of analyte classes included in the Gas Chromatography Mass Spectrometry screen. The detection of any specific analyte is concentration-dependent. Note, not all known analytes included in each specified class are included. Some specific analytes outside of these classes are also included. For a detailed list of all analytes and reporting limits included in this screen, please contact NMS Labs. Amphetamines, Analgesics (opioid and non-opioid), Anorectics, Antiarrhythmics, Anticholinergics, Anticonvulsants, Antidepressants, Antihistamines, Antiparkinsonians, Antipsychotics, Antitussives, Antivirals, Cardiovascular Agents (non-digitalis), Muscle Relaxants and Stimulants (Amphetamine-like and others).

-Analysis by Gas Chromatography/Mass Spectrometry (GC/MS) for: Anesthetics, Anticoagulant Agents, Antifungal Agents, Antihypertensive Agents, Anxiolytics (Benzodiazepine and others), Hypnotics, Anticardiac Agents (Barbiturates, Non-Benzodiazepine Hypnotics, and others) and Non-Steroidal Anti-Inflammatory Agents (excluding Salicylate).

-Analysis by Headspace Gas Chromatography (GC) for:

| <u>Analyte</u> | <u>Rpt. Limit</u> | <u>Analyte</u> | <u>Rpt. Limit</u> |
|----------------|-------------------|----------------|-------------------|
| Acetone        | 5.0 mg/dL         | Isopropanol    | 5.0 mg/dL         |
| Ethanol        | 10 mg/dL          | Methanol       | 10 mg/dL          |

Analysis by Gas Chromatography/Mass Spectrometry (GC/MS): Some analytes may not be detected due to the nature of the specimen.

\*\*\*End of Report\*\*\*