



Understanding Data Packages



TO REQUEST SAMPLING
click the "Request Sampling" button below the poster station
or call
866-MCDAVIS (866-623-2847)

The result for PFOA:
PFOA was detected in the sample at 0.29 ng/L (0.29 ppt).
The "J" qualifier means that the result detected is an estimated level.

The result for PFOS:
PFOS was detected in the sample at 2.34 ng/L (2.34 ppt).

All other results:
All other PFAS were not detected (ND) in the sample.

BATTELLE
It can be done

Project Client:
Project Name:
Project No.:

Client ID

Battelle ID

Sample Type SA

Collection Date 02/21/2020

Extraction Date 02/25/2020

Analysis Date 02/27/2020

Analytical Instrument Sciex 5500 LC/MS/MS

% Moisture NA

Matrix DW

Sample Size 0.275

Size Unit-Basis L

| Analyte | CAS No. | Result (ng/L) | DL | LOD | LOQ |
|--------------|------------------|---------------|------|------|------|
| PFHxA | 307-24-4 | ND | 0.21 | 0.45 | 2.27 |
| PFHpA | 375-85-9 | ND | 0.21 | 0.45 | 2.27 |
| PFOA | 335-67-1 | 0.29 J | 0.18 | 0.45 | 2.27 |
| PFNA | 375-95-1 | ND | 0.11 | 0.36 | 2.27 |
| PFDA | 335-76-2 | ND | 0.10 | 0.36 | 2.27 |
| PFUnA | 2058-94-8 | ND | 0.09 | 0.36 | 2.27 |
| PFDoA | 307-55-1 | ND | 0.13 | 0.45 | 2.27 |
| PFTTrDA | 72629-94-8 | ND | 0.09 | 0.36 | 2.27 |
| PFTeDA | 376-06-7 | ND | 0.20 | 0.45 | 2.27 |
| NMeFOSAA | 2355-31-9 | ND | 0.18 | 0.45 | 2.27 |
| NEtFOSAA | 2991-50-6 | ND | 0.15 | 0.45 | 2.27 |
| PFBS | 375-73-5 | ND | 0.11 | 0.36 | 2.27 |
| PFHxS | 355-46-4 | ND | 0.11 | 0.36 | 2.27 |
| PFOS | 1763-23-1 | 2.34 | 0.14 | 0.45 | 2.27 |
| HFPO-DA | 13252-13-6 | ND | 0.08 | 0.36 | 2.27 |
| Adona | 919005-14-4 | ND | 0.11 | 0.36 | 2.27 |
| 11Cl-PF3OUdS | 763051-92-9 | ND | 0.09 | 0.36 | 2.27 |
| 9Cl-PF3ONS | 756426-58-1 | ND | 0.11 | 0.36 | 2.27 |

| Surrogate Recoveries (%) | Recovery |
|--------------------------|----------|
| 13C2-PFHxA | 107 |
| 13C2-PFDA | 90 |
| d5-EtFOSAA | 88 |
| 13C3-HFPO-DA | 97 |

1 nanogram per liter (ng/L) = 1 part per trillion (ppt)

This column includes the data qualifiers that apply to a given result.

The detection limit (**DL**) is the lowest level at which the laboratory can reliably "see" that this compound is present.
The limit of detection (**LOD**) is the lowest level at which the laboratory can reliably "see" this compound is **not** present.
The limit of quantitation (**LOQ**) is the lowest level at which the laboratory can reliably measure this compound with a known degree of confidence and accuracy.

FOR MORE INFO | click the links icon below the poster station

ACRONYMS & ABBREVIATIONS

| | | | | | |
|------|-----------------------|------|-------------------------------------|------|---------------------------|
| ND | not detected | PFAS | per- and polyfluoroalkyl substances | PFOS | perfluorooctane sulfonate |
| ng/L | nanogram(s) per liter | PFOA | perfluorooctanoic acid | ppt | part(s) per trillion |

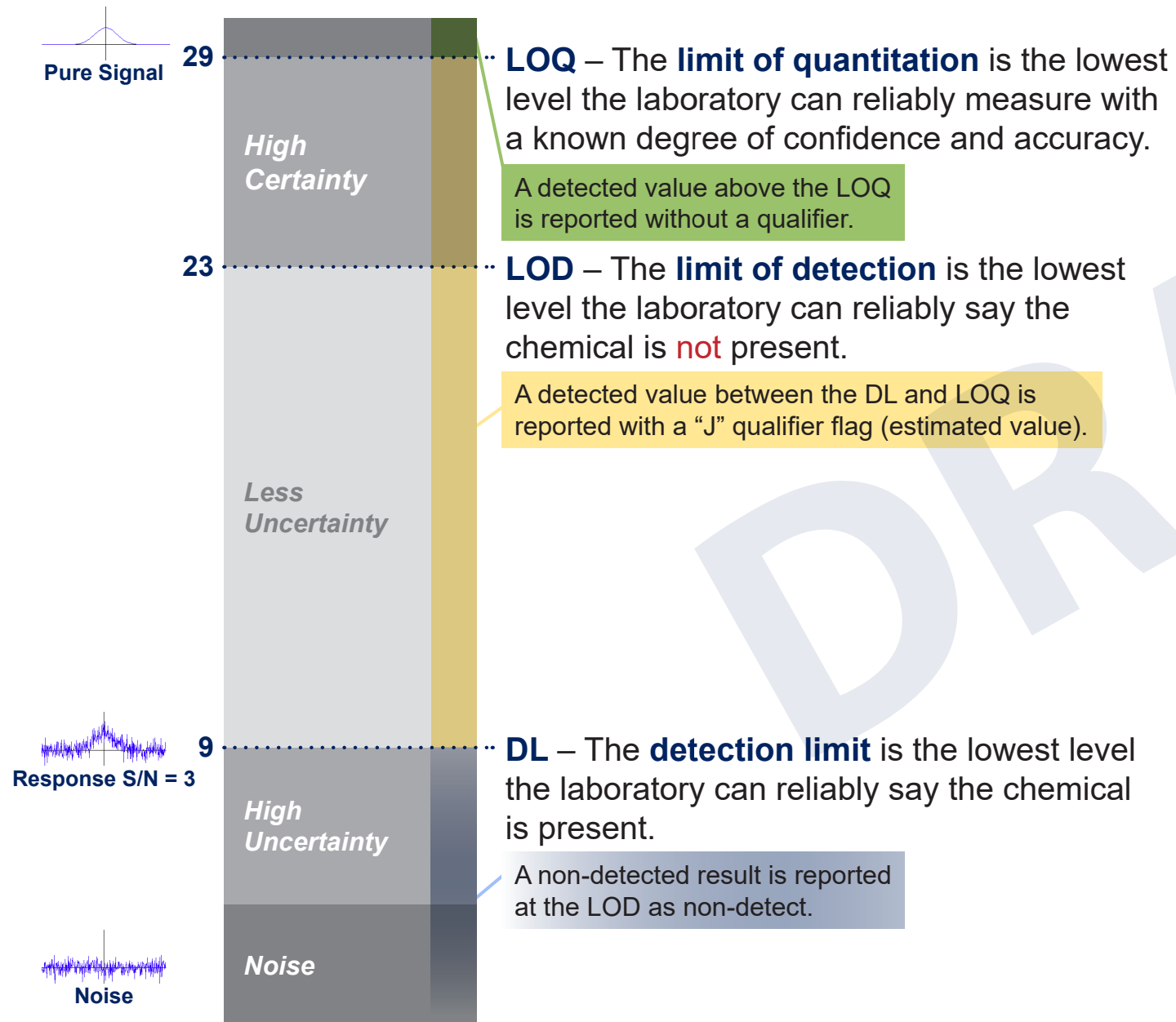


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Instrument Measurements and Analytical Reporting



How Are Amounts of Chemicals in Samples Reported?

This table is an example of how results might be reported by the laboratory given the DL, LOD, and LOQ shown on the figure to the left.

| Sample | Instrument Result | Reported Result |
|--------|-------------------|-----------------|
| 1 | non-detect | ND |
| 2 | 10 | 10 J |
| 3 | 25 | 25 J |
| 4 | 30 | 30 |
| 5 | 40 | 40 |

J = Estimated

What Is a Surrogate?

- A substance similar to the analytes of interest
- Not found naturally in the substance
- Intentionally added to the sample at a known amount to monitor the performance of the sample's preparation and analysis