

## New Jersey Data of Known Quality Protocols

### Overview

The Site Remediation Program of the New Jersey Department of Environmental Protection (NJDEP) finalized their Technical Guidance Documents in April 2014. This guidance is intended to assist those responsible for remediation projects in order to comply with the NJDEP Technical Requirements for Site Remediation. The goal of the guidance is to provide a consistent approach to the generation, assessment and usability determinations for analytical data.

The Technical Guidance consists of the following four documents:

- Analytical Laboratory Data Generation, Assessment and Usability Technical Guidance
- Quality Assurance Protection Plan (QAPP) Technical Guidance
- Data of Known Quality Protocols (DKQP) Technical Guidance
- Data Quality Assessment (DQA) and Data Usability Evaluation (DUE) Technical Guidance

### Why Choose Eurofins Lancaster Laboratories Environmental?

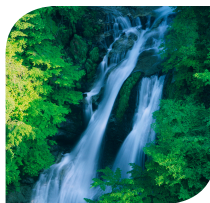
- Our internal laboratory control limits comply with the requirements of DKQP (with no exceptions).
- We have been performing similar data quality screening for Connecticut Reasonable Contingency Plan (CT RCP) and Massachusetts Contingency Plan (MCP) since 2006.
- Due to our extensive experience in managing and reporting under these types of protocols, our technical, client services and QA staff is ready and available to assist you in understanding every aspect of your project.



- We have integrated the NJ DKQP Conformance/ Non-Conformance Summary Questionnaire and associated Narrative into our Analysis Report format.

### How the Program Works:

- Generate your site-specific Quality Assurance Project Plan (QAPP). Your Eurofins Project Manager can provide the required laboratory specific information (e.g., sample handling information, compound lists, reporting levels).
- Let your Project Manager know in advance the data report needs to comply with DKQP. We will then email you the required "Project Communication Form." This form must be completed in advance of any sampling.
- Upon completion of your analysis(es), the Conformance/Non-Conformance Summary Questionnaire is included in your analysis report.
- If there is any non-conformance, a summary page will be provided in the analysis report explaining the reason for the non-conformance (e.g., matrix blank sample is below the required control limits for a compound).
- Upon your review of the analysis report, you are required to make a decision if the non-conformance will affect the useability of the data. Our experts are available to help you in this decision-making process.



The following is an example of the Quality Summary submitted with all NJ DKQP Analysis Reports. An accompanying narrative will explain any “No” responses.

### DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

**Laboratory Name:** Eurofins Lancaster Laboratories Environmental, LLC

**Client:** XXXXX **Project:** YYYYY **Sampling Date(s):** mm/dd/yy **Laboratory Sample ID(s):** #####

**List DKQP Methods Used:** SW-846 6010C; SW-846 7470A; SW-846 8082A; SW-846 8260C; SW-846 8270D; SW-846 8270D SIM

		Yes or No
1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	Yes
1A	Were the method-specified handling, preservation and holding time requirements met?	Yes
1B	<b>EPH Method:</b> Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes
3	Were samples received at an appropriate temperature (<math>\leq 6^{\circ}\text{C}</math>)?	Yes
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	Yes
5	Were reporting limits* specified or referenced on the chain of custody or communicated to the laboratory prior to sample receipt?	Yes
5A	Were these reporting limits met?	Yes
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	Yes
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	Yes
<p>Notes: For all questions to which the response was “No” (with the exception of Question 7), additional information should be provided in an attached narrative. If the answer to Question 1, 1A or 1B is “No,” the data package does not meet the requirements for “Data of Known Quality.”</p> <p>*The Limit of Quantitation (LOQ) meets requirements for the Reporting Limit (RL) as defined in the NJDEP Data of Known Quality performance standards, unless otherwise noted.</p>		

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Petroleum-Related Analysis	Shale Oil & Gas Analysis
Waste Characterization	
Water Quality	

**Specialty Services:**

Dioxins/Furans	Organic Acids
PCB Congeners	Aldehydes
Hydrazines/NDMA	1,4-Dioxane (low level)
Explosives	Low-Level Mercury
Perchlorate	PMI
Alkyl PAHs, Alkanes, Biomarkers	Method 25D
PFC (PFOA)	

**Eurofins Lancaster**

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