

## Cover Page

**Order ID :** Q3736

**Project ID :** NYCDPR BGCY Playground - W 145th St

**Client :** JPCL Engineering

**Lab Sample Number**

Q3736-01  
Q3736-02

**Client Sample Number**

D1  
D1

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : \_\_\_\_\_

Date: 12/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

## **CASE NARRATIVE**

### **JPCL Engineering**

**Project Name: NYCDPR BG CY Playground - W 145th St**

**Project # N/A**

**Order ID # Q3736**

**Test Name: Mercury, Metals ICP-Group1, TCLP ICP Metals, TCLP Mercury**

### **A. Number of Samples and Date of Receipt:**

2 Solid samples were received on 11/26/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: TCLP ICP Metals, TCLP Mercury, Mercury, Metals ICP-Group1. This data package contains results for Mercury, Metals ICP-Group1, TCLP ICP Metals, TCLP Mercury.

### **C. Analytical Techniques:**

TCLP ICP Metals, TCLP Mercury : The analysis of TCLP ICP Metals was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

Mercury, Metals ICP-Group1 : The analysis of Metals ICP-Group1 was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

Mercury, Metals ICP-Group1 : Sample D1 was diluted due to high concentrations for Mercury.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The MS recoveries met the requirements for all compounds except following TCLP ICP Metals, TCLP Mercury : The Matrix Spike (D1MS) analysis met criteria for all compounds except for Barium due to Chemical Interference during Digestion Process.

The MSD recoveries met the requirements for all compounds except following TCLP ICP Metals, TCLP Mercury : The Matrix Spike Duplicate (D1MSD) analysis met criteria for all compounds except for Barium due to Chemical Interference during Digestion Process.

The Serial Dilution met criteria for all compounds.



**E. Additional Comments:**

Sample Q3736-1 Metals ICP-Group1 has very dirty smell and oily material and looks unknown interferences from the soil which can suppress the actual concentration without dilution and also can effect the path of sample probe and tubes and the nebulizer can be blocked to make the small orifice and hence can effect QC failure. So dilution was necessary for analyzed sample.

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Signature\_\_\_\_\_

## DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q3736

Completed

For thorough review, the report must have the following:

#### GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

#### COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

#### CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 12/05/2025