



284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

## **CASE NARRATIVE**

**Core Environmental Consultants and Services, Inc.**

**Project Name: NYPA PURS Station**

**Project # N/A**

**Order ID # Q3349**

**Test Name: TCLP VOA,TCLP BNA,PCB,TCLP ICP Metals,TCLP Mercury**

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

2 Solid samples were received on 10/14/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: TCLP VOA,TCLP BNA,PCB,TCLP ICP Metals,TCLP Mercury. This data package contains results for TCLP VOA(8260D),TCLP BNA(8270E),PCB(8082A),TCLP ICP Metals(6010D),TCLP Mercury(7470A).

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

TCLP VOA : The analysis performed on instrument MSVOA\_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

TCLP BNA : The samples were analyzed on instrument BNA\_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

PCB : The analyses were performed on instrument GCECD\_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

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.

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

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except following

TCLP VOA : PURS Station [4-Bromofluorobenzene - 126%] due to oil matrix.



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The Surrogate recoveries were met for all analysis except following  
TCLP BNA : PURS Station [2-Fluorobiphenyl - 133%], as per method one acid and one base surrogate allow to fail therefore no corrective action taken.

The Surrogate recoveries were met for all analysis except following  
PCB : PURS Station [Tetrachloro-m-xylene(2)29%]. As per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.

The Internal Standards Areas were met for all analysis except following TCLP BNA :  
PURS Station due to matrix interference.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except following  
TCLP BNA : The MS {Q3352-04MS} with File ID: BF143989.D recoveries met the requirements for all compounds except for 2,4,5-Trichlorophenol[112%] and Nitrobenzene[114%], due to matrix interference.

PCB : The MS {Q3348-05MS} with File ID: PP075824.D recoveries met the requirements for all compounds except for [AR1016(2) - 172%] due to matrix interference.

The MSD recoveries met the requirements for all compounds except following  
TCLP BNA : The MSD {Q3352-04MSD} with File ID: BF143990.D recoveries met the requirements for all compounds except for 2,4,5-Trichlorophenol[116%], 2,4,6-Trichlorophenol[114%], Hexachlorobenzene[116%] and Nitrobenzene[118%], due to matrix interference.

PCB : The MSD {Q3348-05MSD} with File ID: PP075825.D recoveries met the requirements for all compounds except for [AR1016(2) - 184%] due to matrix interference.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds. The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

The Duplicate analysis met criteria for all compounds.

The Serial Dilution met the acceptable requirements.



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**E. Additional Comments:**

The soil samples results are based on a dry weight basis.

SEMI-VOA : The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

PCB : Less volume was taken at the time of extraction due to oil matrix of the samples, Samples PURS Station was diluted due to oil matrix.

TCLP ICP Metals, TCLP Mercury : TCLP sample Q3349-01 - final volume is 50ml because matrix is totally oily and thick matrix and not able to reduce volume because of thick material does not let the sample to evaporate.

FAX and Hardcopy not match for Sample Q3349-01 because at the time of fax initial-final volume taken 50-50 ml in calculation but, it should be 5ml -50ml final volume, so corrective action taken and data report correct in hardcopy.

TCLP VOA : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_\_\_\_\_