



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

CASE NARRATIVE

ENTACT

Project Name: 540 Degraw St, Brooklyn, NY - E9309

Project # N/A

Order ID # Q3181

Test Name: TCLP VOA,TCLP BNA,PCB,TCLP Herbicide,TCLP Pesticide,TCLP Mercury,TCLPMetals Group2,ASTM Ammonia,ASTM COD,ASTM Oil and Grease,ASTM TS,Corrosivity,Ignitability,Oil and Grease,Paint Filter,pH,Reactive Cyanide,TS,TVS

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 09/24/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: TCLP VOA,TCLP BNA,PCB,TCLP Herbicide,TCLP Pesticide,TCLP Mercury,TCLPMetals Group2,ASTM Ammonia,ASTM COD,ASTM Oil and Grease,ASTM TS,Corrosivity,Ignitability,Oil and Grease,Paint Filter,pH,Reactive Cyanide,TS,TVS. This data package contains results for TCLP VOA(8260D),TCLP BNA(8270E),PCB(8082A),TCLP Herbicide(8151A),TCLP Pesticide(8081B),TCLP Mercury(7470A),TCLPMetals Group2(6010D),ASTM Ammonia(SM4500-NH3),ASTM COD(SM5220 D),ASTM Oil and Grease(1664A),ASTM TS(SM2540 B),Corrosivity(9045D),Ignitability(1030),Oil and Grease(9071B),Paint Filter(9095B),pH(9045D),Reactive Cyanide(9012B),TS(SM2540 B),TVS(160.4).

C. Analytical Techniques:

TCLP VOA : The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.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_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. 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 analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear



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column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 μ m; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

TCLP Herbicide : The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 μ m df.; Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 μ m df, Catalog #: 11324. The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

TCLP Pesticide : The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 μ m df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 μ m df, Catalog #: 7HMG017-11. The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

TCLP Mercury, TCLP Metals Group2 : The analysis of TCLP Metals Group2 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.

Wetchem : The analysis of ASTM Ammonia, ASTM COD, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, pH, Reactive Cyanide, TS, TVS was based on method 1030, 160.4, 1664A, 9012B, 9045D, 9071B, 9095B, SM2540 B, SM4500-NH₃, SM5220 D and extraction was done based on method 8015B.

D. QA/ QC Samples:

The Holding Times were met for all analysis except following Wetchem : WC-A3-01-C of pH, for WC-A3-01-C of Corrosivity, for WC-A3-02-C of pH, for WC-A3-02-C of Corrosivity, for WC-A3-03-C of pH and for WC-A3-03-C of Corrosivity. As these samples are received out of hold.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except following

TCLP Herbicide : The MS {Q3181-03MS} with File ID: PS031872.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)60%]-

This compound did not meet the NJDKQP criteria and in-house criteria. And [2,4-D(1)67% - 2,4-D(2)66%]-These compounds did not meet the NJDKQP criteria but met the in-house criteria.



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TCLP Mercury, TCLP Metals Group 2 : The Matrix Spike (SU-ESM-COMP-02MS) analysis met criteria for all compounds except for Barium, Zinc due to sample matrix interference.

The MSD recoveries met the requirements for all compounds except following TCLP BNA : The MSD {Q3181-03MSD} with File ID: BG064464.D recoveries met the requirements for all compounds except for 1,4-Dichlorobenzene[68%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

TCLP Herbicide : The MSD {Q3181-03MSD} with File ID: PS031873.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)60%]- This compound did not meet the NJDKQP criteria and in-house criteria. and [2,4-D(1)68% - 2,4-D(2)66%]-These compounds did not meet the NJDKQP criteria but met the in-house criteria.

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 except following

PCB : The Continuous Calibration File ID PP075367.D met the requirements except for Aroclor-1260(Peak-04) is failing in 2nd column, however it is passed in 1st column therefore no corrective action was taken.

The Tuning criteria met requirements.

The Duplicate analysis met criteria for all compounds except following

TCLP Mercury, TCLP Metals Group 2 : The Duplicate (SU-ESM-COMP-02MSD) analysis met criteria for all samples except for Barium and Zinc due to matrix interference

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

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

As per special requirement for this project form-1 and Hit Summary are reported in mg/k for soil samples.

As per special requirement for this project form-1 and Hit Summary are reported in mg/l for water samples.



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TCLP Mercury, TCLP Metals Group2 :

The Post Digest Spike (SU-ESM-COMP-02A) analysis met criteria for all compounds except for Barium due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

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.

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_____