



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

CASE NARRATIVE

Sciacca General Contractors, LLC

Project Name: 507 Franklin Ave Nutley

Project # N/A

Order ID # Q3215

Test Name: VOC-TCLVOA-10,SVOC-PAH,PCB,TPH GC,Mercury,Metals ICP-RCRA,TCLP ICP Metals,TCLP Mercury,Corrosivity,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 09/25/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10,SVOC-PAH,PCB,TPH GC,Mercury,Metals ICP-RCRA,TCLP ICP Metals,TCLP Mercury,Corrosivity,Ignitability,Reactive Cyanide,Reactive Sulfide. This data package contains results for VOC-TCLVOA-10(8260D),SVOC-PAH(8270E),PCB(8082A),TPH GC(8015D),Mercury(7471B),Metals ICP-RCRA(6010D),TCLP ICP Metals(6010D),TCLP Mercury(7470A),Corrosivity(9045D),Ignitability(1030),Reactive Cyanide(9012B),Reactive Sulfide(9034).

C. Analytical Techniques:

VOC-TCLVOA-10 : The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

SVOC-PAH : 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 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 analysis of SVOC-PAH was based on method 8270E and extraction was done based on method 3541.

TPH GC : The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis of TPH GC was based on method 8015D and extraction was done based on method 3541.

PCB : 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 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.



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

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.

Wetchem : The analysis of Ignitability was based on method 1030, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034 and The analysis of Corrosivity was based on method 9045D.

D. QA/ QC Samples:

The Holding Times were met for all analysis except following Wetchem : WASTE of Corrosivity as sample was received out of holding time.

The Surrogate recoveries were met for all analysis except following SVOC-PAH : PB169890BL [Terphenyl-d14 - 106%], marginally high therefore no corrective action was taken.

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 Mercury, Metals ICP-RCRA : The Matrix Spike (WC-1MS) analysis met criteria for all compounds except for Cadmium due to Chemical Interference during Digestion process.

The MSD recoveries met the requirements for all compounds except following Mercury, Metals ICP-RCRA : The Matrix Spike Duplicate (WC-1MSD) analysis met criteria for all compounds except for Cadmium due to Chemical Interference during Digestion process.

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 except following

VOC-TCLVOA-10 : The %RSD is greater than 20% in the Initial Calibration method (82W092525S.M) for Methylene chloride, this compound passing on Linear regression.



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The Continuous Calibration met the requirements except following
PCB : The Continuous Calibration File ID PO114107.D met the requirements except for Decachlorobiphenyl is failing in 1st column, however it is passed in 2nd column therefore no corrective action was taken. AND Aroclor-1260(Peak-03),Aroclor-1260(Peak-04),Aroclor-1260(Peak-05) is failing in 2nd column, however it is passed in 1st column therefore no corrective action was taken.

The Continuous Calibration File ID PO114229.D met the requirements except for Aroclor-1260(Peak-04),Aroclor-1260(Peak-05) is failing in 1st column, however it is passed in 2nd column therefore no corrective action was taken.

The Continuous Calibration File ID PO114243.D met the requirements except for Decachlorobiphenyl is failing in 1st column, however it is passed in 2nd column therefore no corrective action was taken.

The Tuning criteria met requirements.

The Duplicate analysis met criteria for all compounds except following
Mercury,Metals ICP-RCRA : The Duplicate (WC-1MSD) analysis met criteria for all compounds except for Barium and Lead due to Chemical Interference during Digestion process.

The Serial Dilution met the acceptable requirements.

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.

Mercury,Metals ICP-RCRA : The Post Digest Spike (WC-1A) analysis met criteria for all compounds except for Cadmium 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.

VOC-TCLVOA-10 : 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.

TCLP ICP Metals,TCLP Mercury : As per special requirement for this project form-1 are reported in mg/l.



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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_____