



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

CASE NARRATIVE

Scalamandre – Tully JV

Project Name: NYC DOT Harper Street Yard North

Project # N/A

Order ID # Q3150

Test Name: VOCMS Group1,SVOCMS Group1,PCB,Mercury,Metals ICP-RCRA,TCLP ICP Metals,TCLP Mercury,Corrosivity,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 09/19/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1,SVOCMS Group1,PCB,Mercury,Metals ICP-RCRA,TCLP ICP Metals,TCLP Mercury,Corrosivity,Ignitability,Reactive Cyanide,Reactive Sulfide. This data package contains results for VOCMS Group1(8260D),SVOCMS Group1(8270E),PCB(8082A),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:

VOCMS Group1 : 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 VOCMS Group1 was based on method 8260D.

SVOCMS Group1 : 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 SVOCMS Group1 was based on method 8270E and extraction was done based on method 3541.

PCB : The analyses were performed on instrument GCECD_Q.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 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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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-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.

Wetchem : The analysis of Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide was based on method 1030, 9012B, 9034, 9045D and extraction was done based on method 8015B.

D. QA/ QC Samples:

The Holding Times were met for all analysis except following Wetchem : MER Rd Con Ed of Corrosivity and for Mid Site Grid 5-7 of Corrosivity as samples were received out of holding time.

The Surrogate recoveries were met for all analysis except following PCB : Mid Site Grid 5-7 [Decachlorobiphenyl(1)24%]. 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 VOCMS Group1 : MER Rd Con Ed, MER Rd Con EdRE, Mid Site Grid 5-7 and Mid Site Grid 5-7RE the failure samples were reanalyzed to confirm the failure and reported.

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 (2ND-STREET-SOILMS) analysis met criteria for all compounds except for Barium, Silver due to unknown chemical interference of matrix which are suppressing the signal of spike added.

The MSD recoveries met the requirements for all compounds except following Mercury, Metals ICP-RCRA : The Matrix Spike Duplicate (2ND-STREET-SOILMSD) analysis met criteria for all compounds except for Barium, Silver due to unknown chemical interference of matrix which are suppressing the signal of spike added.

The RPD were met for all analysis except following VOCMS Group1 : The RPD for {VW0919SBS01} with File ID: VW032207.D met criteria except for Trichlorofluoromethane[24%]. Due to difference in BS and BSD concentrations.

The Blank Spike met requirements for all compounds except following VOCMS Group1 : The Blank Spike for {VW0919SBS01} with File ID: VW032206.D met requirements for all compounds except for 1,1,2-Trichlorotrifluoroethane[125%],



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1,1-Dichloroethene[123%].Failing high but associated samples have no positive hit for these compounds therefore no corrective action was taken.

VOCMS Group1 : The Blank Spike for {VW0922SBS01} with File ID: VW032225.D met requirements for all compounds except for Chloroethane[132%]. Failing high but associated samples have no positive hit for this compound therefore no corrective action was taken.

VOCMS Group1 : The Blank Spike for {VW1002SBS01} with File ID: VW032324.D met requirements for all compounds except for Methylene Chloride[134%]. failing high but associated sample having hit for Methylene Chloridebelow CRQL therefore no corrective action was taken.

The Blank Spike Duplicate met requirements for all compounds except following VOCMS Group1 : The Blank Spike Duplicate for {VW0919SBSD01} with File ID: VW032207.D met requirements for all compounds except for 1,1-Dichloroethene[127%] and Chloroethane[142%]. Failing high but associated samples have no positive hit for these compounds therefore no corrective action was taken.

VOCMS Group1 : The Blank Spike Duplicate for {VW0922SBSD01} with File ID: VW032226.D met requirements for all compounds except for 1,1,2-Trichlorotrifluoroethane[136%], 1,1-Dichloroethene[133%], Chloroethane[138%] and Trichlorofluoromethane[138%].

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

The Initial Calibration met the requirements except following

VOCMS Group1 : The %RSD is greater than 20% in the Initial Calibration method (82W082625S.M) for Methylene chloride, this compound is passing on Quadratic regression.

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

The %RSD is greater than 20% in the Initial Calibration method (82W100125S.M) for Methylene chloride, this compound is passing on Linear regression.

SVOCMS Group1 : The %RSD is greater than 20% in the Initial Calibration (Method 8270-BP091225.M) for 2,4-Dinitrophenol & 4-Nitrophenol. These Compounds are passing on Linear regression

The Continuous Calibration met the requirements except following

VOCMS Group1 : The Continuous Calibration File ID VW032204.D met the requirements except for Methyl Acetate. Failing marginally therefore no corrective action was taken.



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SVOCMS Group1 : The Continuous Calibration File ID BP025824.D met the requirements except for 4-Nitrophenol, Benzaldehyde, Benzo(g,h,i)perylene and Caprolactam. But associated samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BP025840.D met the requirements except for Benzaldehyde and Caprolactam. But associated samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BP025855.D met the requirements except for Benzaldehyde. But associated samples have no positive hit for this compound therefore no corrective action was taken

PCB : The Continuous Calibration File ID PQ070933.D met the requirements except for Decachlorobiphenyl is failing in 2nd column, however it is passed in 1st column therefore no corrective action was taken.

The Continuous Calibration File ID PQ070944.D met the requirements except for Decachlorobiphenyl 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 samples.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The soil samples results are based on a dry weight basis.
The temperature of the samples at the time of receipt was 18.3°C

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

Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide : .

Mercury, Metals ICP-RCRA : The Post Digest Spike (LAYDOWN-YARD-2A) analysis met criteria for all compounds except for Barium, and Silver 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.

As per client request samples MER Rd Con Ed and Mid Site Grid 5-7 are activated on 10/15/2025



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PCB : .

SVOCMS Group1 : .

VOCMS Group1 : 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 : .

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_____