



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

CASE NARRATIVE

Remington & Vernick

Project Name: Saddler Property

Project # N/A

Order ID # Q3742

Test Name: VOC-TCLVOA-10,SVOC-TCL BNA -

20,EPH_F2,EPH_NF,PCB,Pesticide-TCL,Mercury,Metals ICP-TAL,Cyanide

A. Number of Samples and Date of Receipt:

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

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10,SVOC-TCL BNA -20,EPH_F2,EPH_NF,PCB,Pesticide-TCL,Mercury,Metals ICP-TAL,Cyanide. This data package contains results for VOC-TCLVOA-10(8260D),SVOC-TCL BNA -20(8270E),EPH_F2(NJEPH),EPH_NF(NJEPH),PCB(8082A),Pesticide-TCL(8081B),Mercury(7471B),Metals ICP-TAL(6010D),Cyanide(9012B).

C. Analytical Techniques:

VOC-TCLVOA-10 : The analysis performed on instrument MSVOA_Y 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-TCL BNA -20 : 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_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 SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

EPH_F2 : The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPH_F2s was based on method NJEPH and extraction was done based on method 3541.

Pesticide-TCL : The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df,; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.



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EPH_NF : The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis of EPH_NFs was based on method NJEPH 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.

Mercury, Metals ICP-TAL : The analysis of Metals ICP-TAL 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 Cyanide was based on method 9012B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except following

EPH_F2 : SB-1125-3D [1-chlorooctadecane (SURR)(1)37%], SB-1125-3DMS [1-chlorooctadecane (SURR)(1)38%] but MSD passing for surrogate therefore no corrective action 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 SVOC-TCL BNA -20 : The MS {Q3742-02MS} with File ID: BP026216.D recoveries met the requirements for all compounds except for Atrazine[78%], bis(2-Ethylhexyl)phthalate[59%]. Recovery failed due to matrix interference.

EPH_F2 : The MS {Q3742-14MS} with File ID: FE057182.D recoveries met the requirements for all compounds except for Aliphatic n-Octatriacontane (C38)[27%], n-Tetracontane (C40)[27%] due to matrix interference.

Mercury, Metals ICP-TAL : The Matrix Spike (SB-1125-24MS) analysis met criteria for all compounds except for Antimony, Arsenic and Lead due to Chemical Interference during Digestion Process.

The MSD recoveries met the requirements for all compounds except following SVOC-TCL BNA -20 : The MSD {Q3742-02MSD} with File ID: BP026217.D recoveries met the requirements for all compounds except for bis(2-Ethylhexyl)phthalate[54%]. Recovery failed due to matrix interference.



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EPH_F2 : The MS {Q3742-14MSD} with File ID: FE057183.D recoveries met the requirements for all compounds except for Aliphatic n-Octatriacontane (C38)[37%],n-Tetracontane (C40)[36%] due to matrix interference.

Mercury, Metals ICP-TAL : The Matrix Spike Duplicate (SB-1125-24MSD) analysis met criteria for all compounds except for Antimony, Arsenic, Lead, Potassium, Sodium and Vanadium due to Chemical Interference during Digestion Process.

The RPD were met for all analysis except following
SVOC-TCL BNA -20 : The RPD for {Q3742-02MSD} with File ID: BP026217.D met criteria except for 1,4-Dioxane[25%]. RPD failed due to result difference between MS and MSD.

The Blank Spike met requirements for all compounds except following
SVOC-TCL BNA -20 : The Blank Spike for {PB170788BS} with File ID: BF144400.D met requirements for all compounds except for 4-Nitrophenol[58%]. Failed marginally low, therefore no further corrective action was taken.

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 (82Y120325S.M) for Methylene chloride, passing on Linear Regression.

SVOC-TCL BNA -20 : The %RSD is greater than 20% in the Method 8270-BF110525.M for Hexachlorocyclopentadiene is passing on Quadratic regression.

The Continuous Calibration met the requirements except following
VOC-TCLVOA-10 : The Continuous Calibration File ID VY023829.D met the requirements except for 2-Hexanone is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VY023849.D met the requirements except for Acetone is failing high but associated sample having hit below CRQL therefore no corrective action taken.

The Continuous Calibration File ID VY023877.D met the requirements except for Carbon Disulfide and Methylcyclohexane are failing high but no positive hit in associate sample therefore no corrective action taken.

SVOC-TCL BNA -20 : The Continuous Calibration File ID BF144398.D met the requirements except for Benzaldehyde. Associated samples does not have hit for this compound, therefore no further corrective action was taken.



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Pesticide-TCL : The Continuous Calibration File ID PD091529.D met the requirements except for delta-BHC is failing in 1st column but no positive hit in associated sample therefore no corrective action taken.

PCB : The Continuous Calibration File ID PO115506.D met the requirements except for Aroclor-1260(Peak-02) is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.

The Continuous Calibration File ID PO115521.D met the requirements except for Aroclor-1260(Peak-02) is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.

The Continuous Calibration File ID PO115536.D met the requirements except for Aroclor-1016(Peak-04) is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.

The Tuning criteria met requirements.

Mercury, Metals ICP-TAL : Sample SB-1125-22 was diluted due to high concentrations for Mercury.

The Duplicate analysis met criteria for all compounds except following
Mercury, Metals ICP-TAL : The Duplicate (SB-1125-24DUP) analysis met criteria for all compounds except for Calcium due to sample matrix interference. The Duplicate (SB-1125-24MSD) analysis met criteria for all compounds except for Antimony, Calcium and Lead due to Chemical Interference during Digestion Process.

The Serial Dilution met criteria for all compounds except following
Mercury, Metals ICP-TAL : The Serial Dilution (SB-1125-24L) met criteria for all compounds except for Aluminum, Calcium, Chromium, Copper, Iron, Manganese, Zinc due to sample matrix interference.

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.

The Sample SB-1125-9 and SB-1125-13 has the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form 1.

Mercury, Metals ICP-TAL : The Post Digest Spike (SB-1125-24A) analysis met criteria for all compounds except for Antimony, Arsenic, Lead, Potassium, Sodium and Vanadium due to unknown chemical interference of matrix with the addition of spike



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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.

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_____