DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : CHEMTECH

Client : G Environmental

Project Location : NJ

Project Number : - Ave L

Laboratory Sample ID(s) : Q1574

Sampling Date(s) : 3/12/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,1030,1311,6010D,7470A,7471B,8082A,8260D,8270E,9012B,9034,9045D,NJEPH,SO**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q1574

Project ID : Ave L

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1574-01	WC1
Q1574-02	WC1

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

Signature : _____

Date: 3/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
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.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for
WC1 [4-Bromofluorobenzene - 60%],
WC1RE [4-Bromofluorobenzene - 66%] this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements except for WC1, WC1RE sample was reanalyzed to confirm the failure and reported.
The Retention Times were acceptable for all samples.

The RPD for {VY0317SBSD01} with File ID: VY021546.D met criteria except for 2-Butanone[33%], Acetone[34%], and Trichlorofluoromethane[31%]due to difference in results of BS and BSD.

The Blank Spike for {VY0317SBS01} with File ID: VY021545.D met requirements for all samples except for Acetone[170%] this compound did not meet the NJDKQP criteria

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and in-house criteria, is failing high and associate sample having hit of acetone but below CRQL therefore no corrective action taken.

The Blank Spike Duplicate met requirements for all samples.
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.

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

The Sample #WC1RE have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis..

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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 p ackage is in compliance with the te rms and conditions of the contract, both technically and for com pleteness, 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.

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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
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-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for WC1 [2,4,6-Tribromophenol - 21%, 2-Fluorobiphenyl - 27%, 2-Fluorophenol - 22%, Nitrobenzene-d5 - 24%, Phenol-d6 - 21%, Terphenyl-d14 - 26%] and WC1DL [2,4,6-Tribromophenol - 18%, 2-Fluorobiphenyl - 26%, 2-Fluorophenol - 19%, Nitrobenzene-d5 - 22%, Phenol-d6 - 18%, Terphenyl-d14 - 26%] these surrogate did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {Q1585-01MS} with File ID: BF141980.D recoveries met the requirements for all compounds except for 4,6-Dinitro-2-methylphenol[23%], 4-Chloroaniline[33%], Benzo(a)anthracene[67%], Benzo(g,h,i)perylene[69%], Benzo(k)fluoranthene[68%], Chrysene[67%], Fluoranthene[50%] and Phenanthrene[60%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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The MSD {Q1585-01MSD} with File ID: BF141981.D recoveries met the acceptable requirements except for 4,6-Dinitro-2-methylphenol[16%], 4-Chloroaniline[46%] and Fluoranthene[60%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria

The RPD for {Q1585-01MSD} with File ID: BF141981.D met criteria except for 2,4-Dinitrophenol[24%], this compound did not meet the NJDKQP criteria but met the in-house criteria, while 4,6-Dinitro-2-methylphenol[36%], 4-Chloroaniline[33%] and Hexachlorocyclopentadiene[36%], this compound did not meet the NJDKQP criteria and in-house criteria but due to difference in results of MS and MSD.

The Blank Spike for {PB167157BS} with File ID: BP024181.D met requirements for all samples except for 3-Nitroaniline[59%], 4-Chloroaniline[49%], Atrazine[147%] and Hexachlorocyclopentadiene[164%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF031025.M) for 2,4-Dinitrophenol and this compound is passing on Linear Regression.
The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Samples WC1 analyzed with direct 5x dilution due to viscous matrix and needed further 5X dilution.

Sample WC1 was diluted due to high concentration.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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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.

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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: PCB

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:
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 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.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for C0O18MS [Decachlorobiphenyl(2) - 170%], C0O18MSD [Decachlorobiphenyl(2) - 166%] and WC1DL [Decachlorobiphenyl(1) - 163%]these compounds did not meet the NJDKQP criteria but met the in-house criteria .

The Retention Times were acceptable for all samples.

The MS recoveries for {Q1572-06MS} with File ID: PP070564.D met requirements for all samples except for AR1016[7313%] and AR1260[169%]these compounds did not meet the NJDKQP criteria and in-house criteria, due to sample matrix interference.

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The MSD {Q1572-06MSD} with File ID: PP070565.D recoveries met requirements for all samples except for AR1016[7777%] and AR1260[215%]these compounds did not meet the NJDKQP criteria and in-house criteria, due to sample matrix interference.

The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID PO109923.D met the requirements except for Decachlorobiphenyl is failing in 2nd column but it is passing in 1st column therefore no corrective action taken.

Sample WC1 was diluted due to high concentration.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

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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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: EPH

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for EPH.

C. Analytical Techniques:
The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.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 EPHs was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for WC1DL [1-chlorooctadecane (SURR) - 147%],but this sample was required dilution as well due to high concentration, therefore original and Dilution analysis were reported and no further corrective action taken for aliphatic.

The Surrogate recoveries met the acceptable criteria except for WC1DL [2-Bromonaphthalene (SURR) - 0%, 2-Flurobiphenyl (SURR) - 0% and ortho-Terphenyl (SURR) - 0%] Surrogates were diluted out due to the high dilution. No further corrective action was taken for aromatic.

The Retention Times were acceptable for all samples.

The MS {Q1574-01MS} with File ID: FF015701.D recoveries met the requirements for all compounds except for Aliphatic C16-C21[188%], Aliphatic C21-C28[1641%] and Aliphatic C28-C40[1845%] Due to matrix interference.

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The MS {Q1574-01MS} with File ID: FG015518.D recoveries met the requirements for all compounds except for Aromatic C21-C36[5601%] Due to matrix interference.

The MSD {Q1574-01MSD} with File ID: FF015702.D recoveries met the acceptable requirements except for Aliphatic C16-C21[195%], Aliphatic C21-C28[1782%] and Aliphatic C28-C40[2028%] Due to matrix interference .

The MSD {Q1574-01MSD} with File ID: FG015519.D recoveries met the acceptable requirements except for Aromatic C21-C36[4736%] Due to matrix interference .

The RPD for {Q1574-01MSD} with File ID: FG015519.D met criteria except for Aromatic C12-C16[48.8%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

Samples WC1 and WC1DL were diluted due to high concentrations For aliphatic.
Samples WC1 and were diluted due to high concentrations For aromatic.

E. Additional Comments:

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

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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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:
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.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample WC1 was diluted due to high concentrations for Chromium, Copper, Iron, Mercury, Silver and Zinc.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (TR-06-031425MS) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Chromium, Copper, Sodium, Zinc due to matrix interference.
The Matrix Spike Duplicate (TR-06-031425MSD) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Chromium, Copper, Sodium, Zinc due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met criteria for all samples.

E. Additional Comments:

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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: TCLP Mercury,TCLP ICP Metals

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for TCLP Mercury,TCLP ICP Metals.

C. Analytical Techniques:
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 Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

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.

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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: Corrosivity,pH,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for Corrosivity,pH,Ignitability,Reactive Cyanide,Reactive Sulfide.

C. Analytical Techniques:
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, The analysis of Corrosivity,pH was based on method 9045D and The analysis of Paint Filter was based on method 9095B.

D. QA/ QC Samples:
The Holding Times were met for all samples except for WC1 of pH, for WC1 of Corrosivity as sample were received out of holding time.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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.

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ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1574 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The % RSD is greater than 20% in the Initial Calibration (8270-BF031025.M) for 2,4-Dinitrophenol and this compound is passing on Linear Regression. The Continuous Calibration met the requirements .			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries met the acceptable criteria except for WC1 [2,4,6-Tribromophenol - 21%, 2-Fluorobiphenyl - 27%, 2-Fluorophenol - 22%, Nitrobenzene-d5 - 24%, Phenol-d6 - 21%, Terphenyl-d14 - 26%] and WC1DL [2,4,6-Tribromophenol - 18%, 2-Fluorobiphenyl - 26%, 2-Fluorophenol - 19%, Nitrobenzene-d5 - 22%, Phenol-d6 - 18%, Terphenyl-d14 - 26%] these surrogate did not meet the NJDKQP criteria but met the in-house criteria.			

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

(CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The MS {Q1585-01MS} with File ID: BF141980.D recoveries met the requirements for all compounds except for 4,6-Dinitro-2-methylphenol[23%], 4-Chloroaniline[33%], Benzo(a)anthracene[67%], Benzo(g,h,i)perylene[69%], Benzo(k)fluoranthene[68%], Chrysene[67%], Fluoranthene[50%] and Phenanthrene[60%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {Q1585-01MSD} with File ID: BF141981.D recoveries met the acceptable requirements except for 4,6-Dinitro-2-methylphenol[16%], 4-Chloroaniline[46%] and Fluoranthene[60%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike for {PB167157BS} with File ID: BP024181.D met requirements for all samples except for 3-Nitroaniline[59%], 4-Chloroaniline[49%], Atrazine[147%] and Hexachlorocyclopentadiene[164%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The RPD for {Q1585-01MSD} with File ID: BF141981.D met criteria except for 2,4-Dinitrophenol[24%], 4,6-Dinitro-2-methylphenol[36%], 4-Chloroaniline[33%] and Hexachlorocyclopentadiene[36%] .

9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓

Comments: The Internal Standards Areas met the acceptable requirements.

10.	Extraction Holding Time Met			✓

If not met, list number of days exceeded for each sample:

11.	Analysis Holding Time Met			✓

If not met, list number of days exceeded for each sample:

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GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

Samples WC1 was diluted due to bad matrix.

Sample WC1 was diluted due to high concentration.

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

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is >20% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1574**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **MAYUR DESAI** **Date:** **03/27/2025**